

IMPACT

ATSE

50
YEARS

MAGAZINE OF THE AUSTRALIAN ACADEMY OF TECHNOLOGICAL SCIENCES & ENGINEERING

ATSE.ORG.AU

NUMBER 219 | 2025

Forging
innovation
across
generations

1975-2025

50 years in, ATSE is nationally recognised as a leader in advocating for applied science, technology and engineering.

ATSE knows that solving our biggest challenges requires supporting a new generation of the brightest minds from around the country and the world to collaborate, invent, disseminate and market the technologies of the future.

ATSE

**50
YEARS**

Australian Academy of
Technological Sciences
& Engineering

1975-2025

ATSE AWARDS 2025

CLUNIES ROSS TECHNOLOGY INNOVATION AWARDS

Recognising contributions by dedicated individuals or teams who have shared their vision and knowledge with others to apply technology for the benefit of Australia, and beyond.

ATSE
AWARDS

BATTERHAM MEDAL FOR ENGINEERING EXCELLENCE

An early career award for a graduate engineer who has achieved substantial peer or industry recognition for their work in the past five years.

ATSE
AWARDS

EZIO RIZZARDO POLYMER SCHOLARSHIP

A scholarship prize acknowledging the potential impact of an outstanding PhD candidate in polymer science or engineering at eligible universities.

ATSE
AWARDS

DAVID & VALERIE SOLOMON AWARD

An early-mid career award for a science or technology graduate working in academia or industry who demonstrates substantial ability to foster research-industry collaboration and knowledge transfer for the benefit of Australia.

ATSE
AWARDS

TRADITIONAL KNOWLEDGE INNOVATION AWARD

Acknowledging and recognising up to two teams or individuals respectfully, collaboratively and successfully applying Traditional Knowledge through modern innovation.

ATSE
AWARDS

ATSE PRESIDENT'S MEDAL

For an ATSE Fellow in recognition of extraordinary commitment and exceptional contribution to the Academy.

ATSE
AWARDS

Winners announced in Adelaide on 30 October 2025
atse.org.au/awards



Australian Academy of
Technological Sciences
& Engineering
1975-2025

The Academy acknowledges the Traditional Owners of the lands on which we meet and work and we pay our respects to Elders past and present. We recognise the deep knowledge and practices embedded in the oldest continuous culture on the planet. Australia's history of engineering, technology and applied science spans more than 60,000 years.

We would like to thank all the contributors to this issue of **IMPACT** for sharing their stories, expertise and time with us and the broader Australian applied science and technology community.

PUBLISHER

Australian Academy of
Technological Sciences
& Engineering

We are a Learned Academy of independent experts. We bring together Australia's leading experts in applied science, technology and engineering to provide impartial, practical and evidence-based advice on how to achieve sustainable solutions and advance prosperity.

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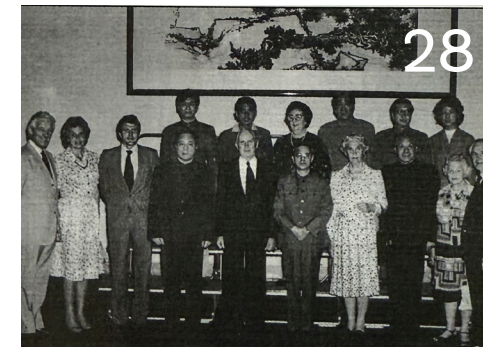
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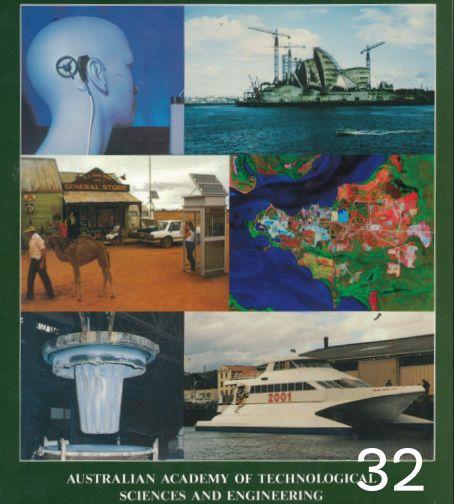
October 2025

atse.org.au

Cover image: ATSE Fellows



TECHNOLOGY IN AUSTRALIA 1788 - 1988



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A message from our President



Dr Katherine Woodthorpe
AO FTSE FAICD

Dr Woodthorpe is President of the Australian Academy of Technological Sciences & Engineering and a Fellow of the Australian Institute of Company Directors. She holds a PhD in Chemistry (Manchester) and an Honorary Doctorate from the University of Technology Sydney. In 2017, she received an Order of Australia for her ongoing service to research and technology innovation in Australia. Dr Woodthorpe has a strong track record of achieving outcomes in a range of technology-oriented industries, including medical devices and health services, and a deep knowledge of governance, leadership and the private equity and financial sectors.

▲ Elected 2015

WHAT A THRILL to introduce this special edition of the ATSE IMPACT magazine. In our anniversary year, we have brought together insights, stories, images and highlights of the past 50 years, putting forward some of the people and the projects that exemplify the impact we have been delivering since 1975.

For the past three years, I've been fortunate to be in the role of ATSE President, the latest in a long line of distinguished Fellows having had the privilege of leading our Academy. An illustrious cohort, it's been a pleasure to follow in their footsteps and represent our more than 900 Fellows through a period of increasing visibility, reach and growth for ATSE. It's a bit of good luck that I was elected to be President in the year of this major milestone – we've had particular fun welcoming international engineering academics to our shores, and have continued to grow a network of collaborators and friends around the country who are on the innovation journey with us.

Our relevance and our role in Australian society is clear. The breadth of our Fellowship – with its focus on practical solutions to complex problems – has always been our strength, and this comes through in the huge variety of topics we are consistently providing advice on: renewable energy, digital technologies, industrial transformation, food

production, medical advancements, and so much more. That range of experience is reflected also in the education programs and grant schemes we are administering for the benefit of the broader STEM community.

Fellows and staff are working together to enable current and future generations of technologists and engineers to thrive with funding, support, networks and new connections.

The bridges we build between disciplines, industries, researchers and governments are our superpower. By seamlessly knitting together discovery, commercialisation, and the implementation of new knowledge and technologies, we put Australia on track to grow as an innovation nation and build prosperity from the knowledge and industries we create.

Opportunities are all around us, and I'm proud that ATSE is playing its part in the heart of Australian technological sciences and engineering. From working with governments on tech and climate policy, to mentoring individual researchers on their way into industrial R&D careers, ATSE is having a major impact. After 50 years, we are stronger than ever, and I can't wait to see how we continue to help Australians use and understand technology to solve complex problems in the future. ▲

50 years of knowledge in service of the nation

THIS SPECIAL EDITION of IMPACT celebrates 50 years of the Australian Academy of Technological Sciences and Engineering.

It marks half a century of ATSE Fellows contributing their expertise to support Australia's progress. From its earliest days, the Academy has been built on a simple yet powerful idea: that practical knowledge, when shared and applied, can transform lives.

Our Fellowship embodies that idea. Engineers, applied scientists, technologists, innovators and entrepreneurs have worked across five decades to provide the evidence base that policymakers, industry and communities need. Our contributions have enabled industries to grow, infrastructure to endure and Australians to benefit from world-leading science and technology.

As we look ahead to the next 50 years, we recognise that the challenges are profound: climate change, digital disruption, the energy transition and the need to build sovereign capabilities. We must address these challenges as we transition Australia's industry mix in this uncertain world. Technology adoption will be critical, but technology alone will not be enough. Lasting solutions will require us to work alongside the social sciences, to understand people as well as systems, to ensure innovation benefits society fairly and embraces the full human potential.

ATSE has a unique role to play. We are not only a Fellowship of experts with deep knowledge across disciplines in the applied sciences and engineering, but we are also a trusted forum where respectful, evidence-based debate can take place. In an era when public trust and good governance matter more than ever, this role is vital.

As the incoming President, I am proud to celebrate 50 years of achievement and impact. But more importantly, I am inspired by the opportunity ahead: to harness the knowledge of our Fellowship to shape the next 50 years of solutions for Australia. ▲



Dr Cathy Foley
AO PSM FTSE FAA

ATSE's incoming President for 2026, Dr Cathy Foley AO PSM was Australia's ninth Chief Scientist from January 2021 until 2024. Prior to this Dr Foley had a long career at Australia's national science agency, the CSIRO, including as the agency's Chief Scientist. Dr Foley is an internationally recognised physicist with major research achievements in superconductors and sensors which led to the development of the LANDTEM sensor system to locate valuable deposits of minerals deep underground.

▲ Elected 2008

It's hard to believe ATSE is 50 years old.

FROM HUMBLE BEGINNINGS in 1975 with just 65 Fellows, ATSE is now a thriving academy with a strong reputation for providing independent, evidence-based expert advice to government and industry, as well as a track record of delivering successful education and skills programs to build Australia's future STEM workforce – all led by our 900+ strong Fellowship working in partnership with a skilled team.

The last 50 years have shown just how important an Academy like ATSE is when it comes to informing the public debate and helping solve Australia's most complex problems. 50 years ago, some of the most urgent challenges we're facing today were just beginning to be understood – 1975, for example, saw the first ever use in print of the term "global warming". Other opportunities and challenges we see in 2025, like how best to harness artificial intelligence and quantum computing, were barely imaginable 50 years ago. But one thing has been constant in that time – ATSE Fellows have willingly and enthusiastically lent their wisdom, insights and networks to supporting the nation's decision-makers to understand evidence as they consider challenge and opportunity. Today, our Fellows are still the go-to advisors at the forefront of helping the nation build a more sustainable and prosperous future.

At ATSE, we've changed a lot over 50 years. As CEO in 2025, I'm proud of what we've achieved and excited for our high-potential future. The Academy leverages our Fellows' expertise through a clear strategic framework and transparent, thorough and independent consultations, where staff and Fellows work hand-in-hand to deliver against our mission. Our relationships with industry and government are strong and growing every day. We're delivering nation-leading policy work, events and STEM careers programs.



Any big anniversary is always a chance to reflect, and so in this special edition of IMPACT, we're pleased to provide some highlights from the last 50 years I'm particularly proud of the work that many of our future STEM leaders are doing, which you'll have the chance to read about in this edition, from genomics to vaccines to hydrogen technology.

Reading this edition of IMPACT, I'm reminded of the breadth of ATSE's work. On any given day, the ATSE community can be engaged in a wide range of issues – from tech, water, education and agriculture policy, to how we decarbonise our economy, to how we grow new advanced technology sectors and responsibly harness artificial intelligence. Some of the breadth of this work is represented throughout this magazine – I know there is so much more that spills out beyond these pages.

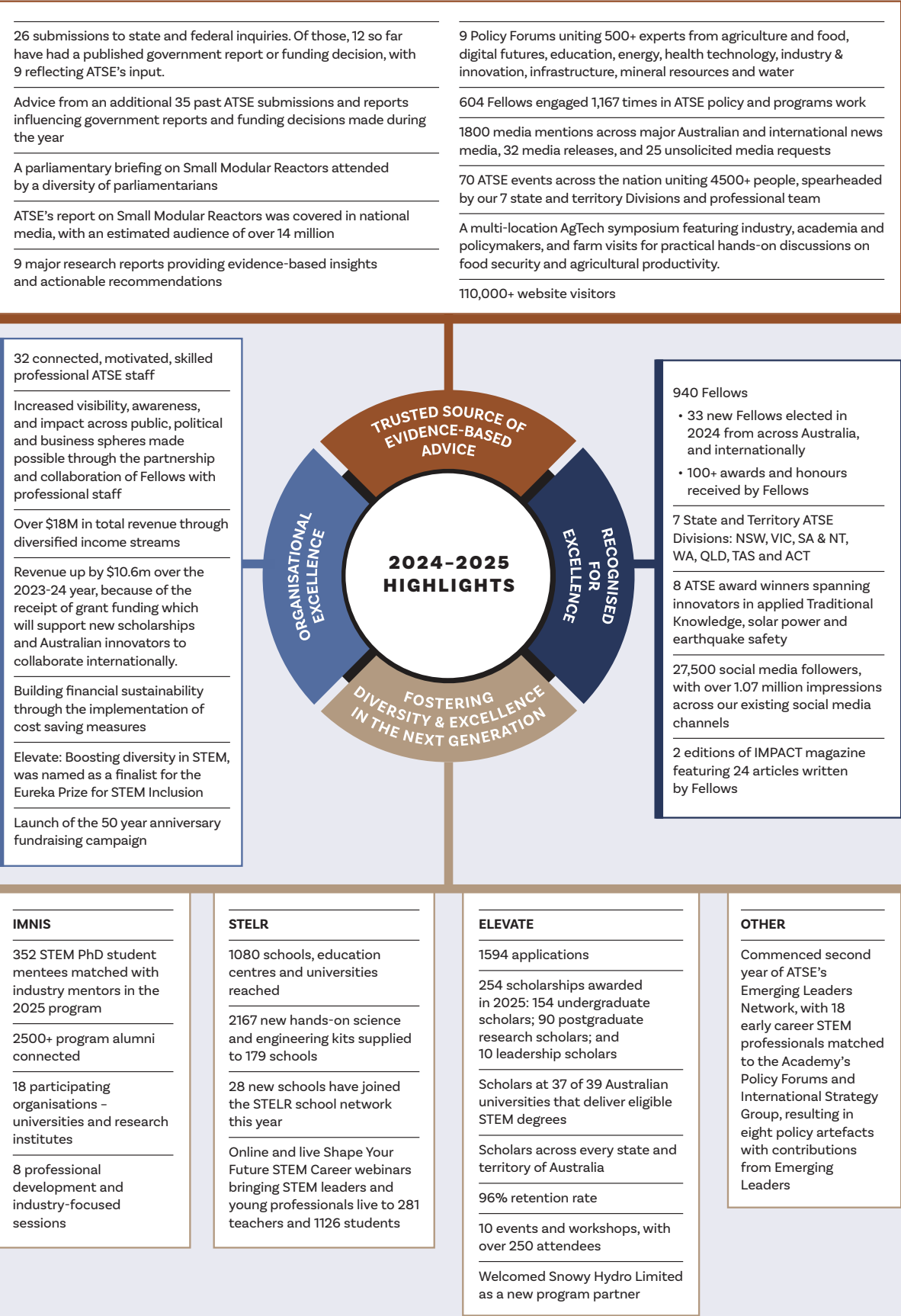
Happy birthday to ATSE, and I hope you enjoy reading this look back over the last 50 years as much as I have. 🍷



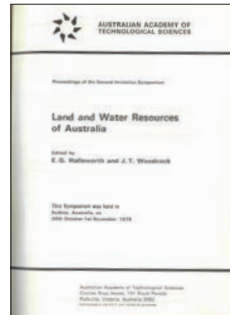
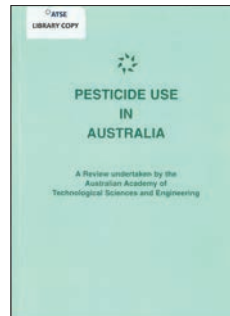
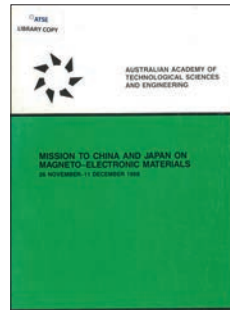
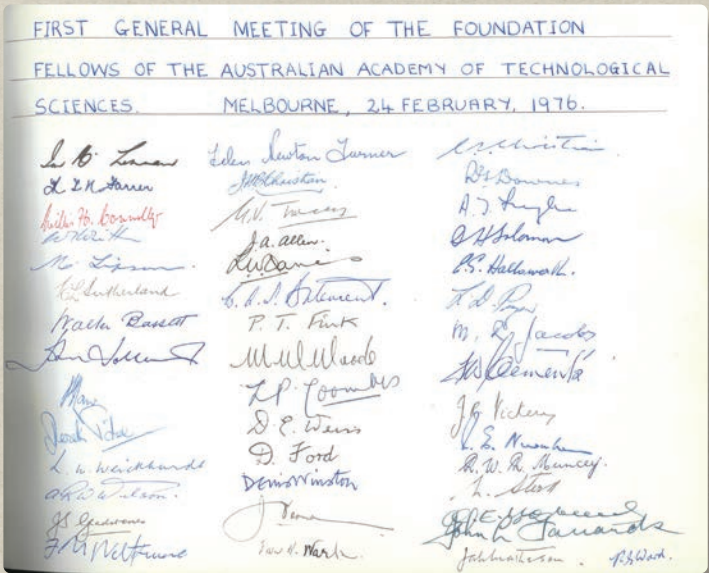
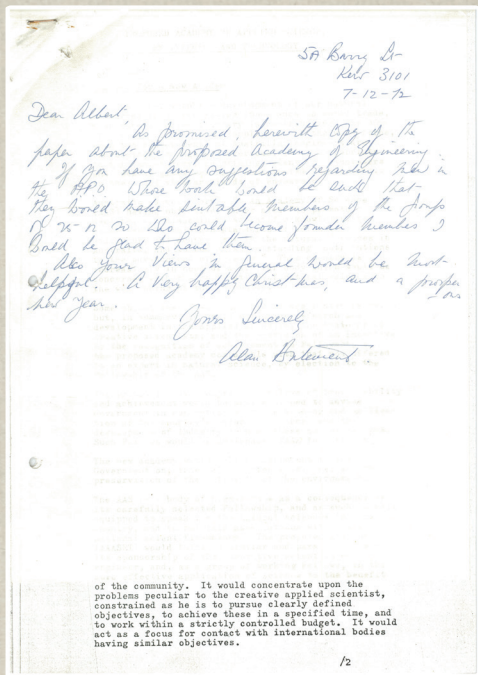
Kylie Walker
CEO

Kylie is the Chief Executive Officer of the Australian Academy of Technological Sciences and Engineering. She works with Australia's leaders in applied science, technology and engineering to advise decision-makers, lead crucial national conversations to solve complex challenges, and support Australia's technology-powered, human-driven future. Kylie is Chair of Aged Care Research and Industry Innovation Australia (ARIIA), driving evidence-based quality care for older Australians, and, as a national award-winning science communicator, is a visiting Fellow at the Australian National Centre for the Public Awareness of Science.

2024-2025 highlights



50 years of ATSE achievements



2025
ATSE President Dr Katherine Woodthorpe chairs CAETS, and hosts hundreds of international guests for the 25th CAETS Symposium with a focus on the next generation and sustainability.

The ATSE Fellowship contains 974 Fellows.

2022
Launch of ATSE's first Reconciliation Action Plan.

ATSE establishes the *Elevate: Boosting diversity in STEM* scholarship program.

2015
First year of ATSE's award-winning Industry Mentoring Network in STEM program: IMNIS

2002
ATSE took on management of the prestigious Clunies Ross Awards.

1988
Publication of *Technology in Australia 1788-1988*

1978
ATSE helped found CAETS, the International Council of Academies of Engineering and Technological Sciences

First mention of the Academy of Technological Sciences in Hansard, in relation to a study on motor vehicle emissions.

1976
Formal inauguration dinner featuring the election of the 65 Foundation Fellows, including just two women.

2023
First female President elected, Dr Katherine Woodthorpe AO FTSE FAICD.

2021
First Aboriginal and Torres Strait Islander Fellows elected: Professor Jason Sharples FTSE and Professor Marcia Langton AO FTSE FASSA.

2010
Launch of the hands-on school science education program STELR.

1994
Publication of *Climate change science: current understanding and uncertainties*, a comprehensive survey of climate change science knowledge for the Australian Government.

1987
Crawford Fund established to support international agricultural research.

1977
HRH Prince Philip elected first Royal Fellow and Royal Patron.

1975
ATSE incorporated as a company



Reflections from past ATSE Presidents



Tim Besley
AC FTSE
1998-2002

IT WAS WHEN I was working on the Snowy Mountains as Assistant to the Commissioner, Sir William Hudson, that I first became aware of ATS, as Sir William was one of the Foundation Fellows.

Some years later I was admitted as a Fellow. Later when I became president of ATSE, the office was in Melbourne and was run by Joy Dudine. She was a great person to work with and helped significantly in my duties as President. Joy and I attended a CAETS meeting in Beijing. As part of the program, we were provided with the opportunity to visit and climb the Great Wall. The wall is not the easiest structure to climb but Joy was a very determined person and wanted to get the top of the wall. This she did with many laughs and a little help from me.

At the time the E was added to ATSE, I recall there had been some discussion and a little reluctance in some quarters for this to be done. I pointed out that three of the first four Presidents were engineers! I later became the 5th making 4 out of five.

When I was no longer President, I continued my involvement through the NSW Division. This Division was very active in arranging a wide variety of information evenings and lunchtime events.

The Victorian Branch had successfully arranged a series of Parliamentary briefings in Melbourne. For NSW to follow this example, there was a process that had to be undertaken. It was necessary to have the approval of both the President of the Upper House and the Speaker of the Lower House. That was made somewhat easier because I knew the Speaker who readily agreed. He also supported my approach to the President of the Upper House and the parliamentary Librarian, who saw it as his responsibility to brief all Members of Parliament. ▲



Professor John Zillman
AO FAA FTSE
2003-2006

I WAS PRIVILEGED to have served under all the Presidents who preceded me, especially as Honorary Secretary under Sir Rupert Myers and as Vice President to Sir Arvi Parbo and Tim Besley. And I was fortunate to have been supported for the first year of my Presidency by the marvellous Joy Dudine who had been with the Academy since it was small enough for Joy to know all the Fellows and their families, and to maintain most of the old-world niceties of the founding years under Presidents Sir Ian McLennan and Sir David Zeidler, and Executive Officer Miss Beryl Jacka.

My own involvement in the Academy dated back to its first decade as the Australian Academy of Technological Sciences (ATS), then defined to embrace the applied sciences and engineering, and my Presidency was significantly shaped by my enduring admiration for the dedication and influence of the founding generation as they gave generously of their time and expertise in response to Government requests for advice on important national issues such as the development of high technology enterprises and national space policy. It was also shaped by the follow-up to the 1988-89 Espie Review which had broken the work of the Academy into four main categories, guided by a set of standing committees reporting to the Council, with the major projects developed and guided by a broadly-based 'Activities Committee', the forerunner of the subject-specific 'Forums' of later years.

Much of the work of the Academy during 2003-06 was led by Vice Presidents Frank Larkins, Doreen Clark and Peter Laver. We put a lot of emphasis on the development of annual plans for the Committees and Regional Divisions, and on their documentation in the annual Academy Handbook as an aid to communication amongst the Fellowship, with Government, and with the scientific and technological community generally. The Academy began to give increased attention to internal and external communication, and the

original 'ATS Focus' newsletter received a new burst of life under Fellow Julian Cribb, Focus Editor Fellow Don Gibson and Communications Director Bill Mackey.

My Presidency came near the end of the Academy's commitment to the founding fathers' plan for an annual several-day flagship event involving an Invitation Symposium, an Oration and an Annual General Meeting attracting around a fifth of the Fellowship. We were privileged, in my time, to have Orations by Sir Arvi Parbo (2003), The Hon Dr Barry Jones (2004), The Rt Hon Doug Anthony (2005) and Justice Michael Kirby (2006). Mr Anthony's memorable Oration coincided with the Canberra celebration of the Academy's 30th anniversary and the launch of a short history of its first 30 years.

Two major national developments of the 2003-06 years included the ATSE adoption of the Ian Clunies Ross Memorial Foundation and a major positive review of what was then the ATSE Crawford Fund. On the global scene, ATSE's International Relations Committee under Greg Tegart, Peter Cook and Mike Sargent (marvellously supported by Elizabeth Meier) worked closely with the Australian Academy of Science on a large number of international bilateral programs. ATSE chaired the International Council of Academies of Engineering and Technological Sciences (CAETS) in 2005, hosting a CAETS Convocation (on 'Oceans and the World's Future') for the third time in Cairns in July 2005.

The Academy's 30th anniversary celebrations concluded that the achievements of the previous three decades had well justified the founders' belief that Australia needed a genuine Learned Academy to recognise and promote excellence in the applied sciences and engineering. The achievements of the past 20 years provide compelling endorsement of that conclusion and reinforce the importance of the continuing national role of ATSE into the decades ahead. ▲



Professor Robin Batterham
AO FREng FAA FTSE
2007-2012

IT HAS BEEN immensely rewarding to have been associated with ATSE for 37 of its 50 years, not that I need reminders of my age! My first impressions of what ATSE is about haven't changed: it is a network of quite extraordinary people, all of whom have achieved much, who are public spirited enough to make time to share some of that experience, and who have technical hedonism in their DNA; they actually delight in learning from each other.

Therein lies a challenge for the Academy. There can never be a single solution to the complex problems we face in society. In a post-modern socially connected world, there can never be an authoritative opinion that must overrule all others. That said, evidence-based advice from those that have made great achievements could and should be promulgated. Throughout its history, the Academy has achieved this.

As President, I made sure that people in high places got timely and (I hope) relevant advice. Feedback years later confirms that at least they thought they did. Today the Academy is more active on the public stage and that is a good thing, provided it doesn't drive the behaviour of pushing views that are detached from the realities of engineering practice or in seeking unanimity such that views are so diluted as to be of little value.

Early steps at focusing efforts in ATSE were to prioritise water, energy, climate and education. These remain critical. If I had to add something else, it would be a focus on how to improve productivity.

Finally, the Academy is a bunch of people who actually enjoy each other's company. It is good to see events that allow people to meet with live people. ▲



Dr Alan Finkel
AO FAA FTSE
2013-2015

MORE THAN EVER, in an era where internationally and nationally consequential policies for economic and social development are made on aspirations rather than evidence, the need for a non-aligned fellowship of technological experts to provide unbiased, expert advice is critically important. In that light, a highlight for me during my term as President of ATSE was our contribution to the Securing Australia's Future series of reports. Ranging from precision medicine to the internet of things, these collaborative reports were insightful, credible and, in most cases, appreciated.

But ATSE is not just a think tank. It is not just an excuse to celebrate excellence through gatherings and awards, important as that is. ATSE doesn't just develop papers and advice, it is an action-oriented delivery organisation. Chief deliverables during my time were the STELR co-curricular program for science and engineering in secondary schools, and the IMNIS mentoring program. Actually, STELR started before my stint as President, but because I was the founder of the program, it held a special place in my mind right through and since.

The most difficult challenge was completing the constitutional change that was put in place before my time and transitioned the organisation of the Academy to be led by a Board and professional management, with directional support from the assemblies and the state divisions. This has certainly helped ATSE present a more coordinated visage to government, and resulted in ATSE being called upon to lead the delivery of a number of important national and international, government-funded programs.

My main call to the Fellowship is to be visibly and actually committed at all times to evidence-based, technologically informed advice, irrespective of the audience, and irrespective of the topic.

And if we want to improve the way projects are delivered by others across the nation, the most important thing we could do is somehow ensure that the engineering method is taught in undergraduate courses, and not just engineering courses. I use the five-step engineering method all the time, in business, in policy advice, in anything strategic: define the problem, analyse it, develop a solution, test the solution, iterate, and deliver a packaged outcome. ▲



Professor Peter Gray
FTSE
2015-2016

SHORTLY AFTER I became a Fellow of ATSE in 1992, I thought it might be appropriate if ATSE ran a symposium with the topic ‘Commercialising Innovation.’ At the time, Australia’s record for the successful translation of research innovation did not compare well to that of the USA and the UK where I had previously worked. I ran the concept past a few other Fellows involved with the NSW Division of the Academy and there was support for the concept. Shortly after, I received a phone call from John Nutt, who said that he was interested in working with me on the Symposium. Within the hour, he was in my office planning for the event. The Symposium was an outstanding success, due in no small measure to John’s charm and infective enthusiasm. During the planning for the Symposium, I visited John’s office set high above Sydney Harbour, where he pointed down to the sails of the Sydney Opera House and said, ‘That was my first project!’

Not bad! But what, in his modest way, he didn’t say was that he had pioneered the use of digital technology in the design and analysis of the sails and developed innovative techniques and materials which he had then used to expand the company he Chaired, Arup, establishing 10 offices around the world. John exemplified the spirit of ATSE – encouraging Australia’s brightest to develop their ideas and export them to the world.

Subsequently, I had the honour of serving as a board member under Presidents Alan Finkel and Robin Batterham, two individuals with razor sharp intellects, expansive national and international networks, excellent track records for successfully translating high quality science and engineering, and great advocates for ATSE. My time as President of ATSE I regard as one of the highlights of my career, stimulating and opening up the incredible talent and expertise of the Fellows.

ATSE can be proud of its achievements in its first 50 years and the high esteem in which it is held by industry, government, academia and community groups.

The challenge for the next 50 years will be to ensure that ATSE builds on its strong reputation and excellent strategic plan, and goes on to deliver measurable impacts and benefits to Australia in a period of growing and more complex challenges. ►



Professor Hugh Bradlow
FTSE
2016-2022

WHILE IT IS gratifying that ATSE is celebrating its 50th anniversary, we need to remind ourselves, in the words of the song, that “the past is just a goodbye”. With that in mind, it is time to think about the next 50 years.

With each step into the future, we need to remember to ask ourselves, what is ATSE’s purpose? The mission of Learned Academies in general is not to gratify the egos of the Fellows or to applaud feeble attempts by the government to keep up with science and technology. Our role is to provide an authoritative voice on matters where our opinion can make a difference to the outcomes. Everyone knows that social media has vouchsafed a voice to anyone. Embroiling serious long-term issues like climate change and public health in so-called ‘culture wars’ is intellectually and practically dangerous. We need to counteract this by continuing to provide sound, expert judgements on technological matters that will give confidence to those making decisions and those living with those judgments. It is not our role to support poor decisions by the government of the day that make no sense.

Clearly there are 3 prerequisites to fulfilling our mission:

1. We must focus on the issues that matter.
2. We must work to develop views that are sound and authoritative, no matter how unpopular.
3. And, finally, we need those views to be heard.

I am hopeful that the journey of the next 50 years will continue to deliver these outcomes. I certainly expect and trust that ATSE will endure, and, hopefully, by adhering to the above considerations, we shall be a major force for good. ►



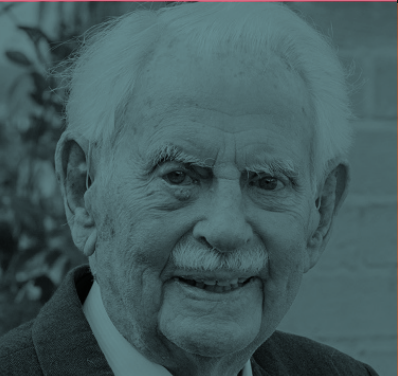
< Sir Ian McLennan
KCMG KBE FTSE FAA
1976-1983
Mining engineer



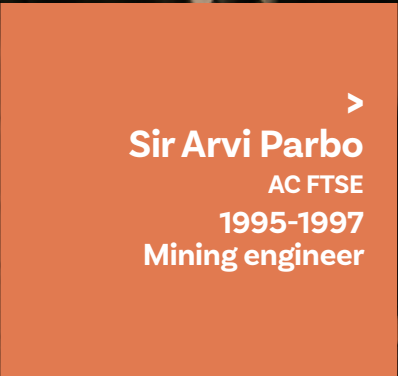
< Sir David Zeidler
AC CBE FTSE FAA
1984-1988
Chemical engineer



> Sir Rupert Myers
KBE AO FTSE FAA
1989-1994
Professor of Metallurgy



> Sir Arvi Parbo
AC FTSE
1995-1997
Mining engineer



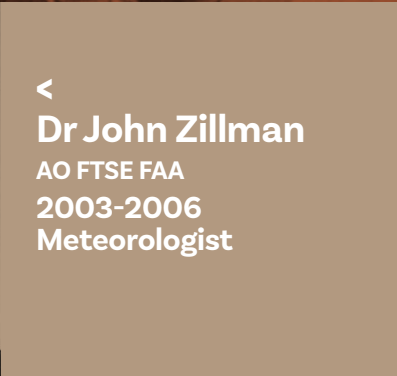
< Dr John Zillman
AO FTSE FAA
2003-2006
Meteorologist



< Tim Besley
AC FTSE
1998-2002
Hydroelectricity engineer



> Dr Alan Finkel
AO FAA FTSE
2013-2015
Neuroscientist



> Professor Robin Batterham
AO FREng FAA FTSE
2007-2012
Chemical engineer



< Professor Peter Gray
FTSE
2015-2016
Biochemical engineer



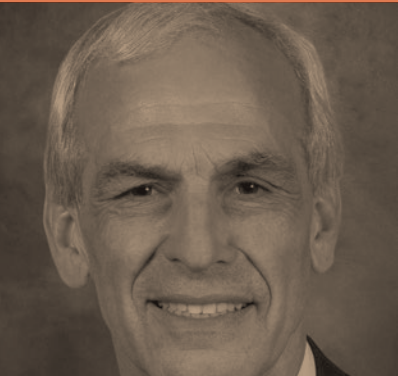
< Professor Hugh Bradlow
FTSE
2016-2022
Biomedical engineer



> Dr Katherine Woodthorpe
AO FTSE
2023-2025
Chemist



> Dr Cathy Foley
AO PSM FTSE FAA
2026-
Physicist



ATSE Fellows 1975-2025

A list of every Fellow elected to the Academy since the initial Foundation cohort in 1975, with details updated as of October 2025.
– year of election

A

Professor David Abramson FTSE ~ 2010
Dr Angeline Achariya FTSE ~ 2024
Dr Colin Adam FTSE ~ 1990
Dr Norman Adams FTSE ~ 1998
Louise Adams FTSE ~ 2021
Henry Adcock FTSE ~ 1995
Emeritus Professor John Agnew FTSE ~ 1996
The Hon Michael Ahern AO FTSE ~ 1997
Donald Aitken AO FTSE ~ 1987
Martin Albrecht AC FTSE ~ 2000
Keith Alder AM FTSE ~ 1977
George Alexander FTSE ~ 1987
William Algar FTSE ~ 1980
Dr Geoffrey Allan FTSE ~ 2015
Dr Michele Allan FTSE ~ 2016
Dr James Allen FTSE ~ 1975
Murray Allen FTSE ~ 1981
Dr John Allen AM FTSE ~ 1982
Charles Allen AO FTSE ~ 1996
Dr Graham Allison FTSE ~ 1989
Scot Allison FTSE ~ 1990
Professor Rose Amal AC FTSE FAA ~ 2012
Emeritus Professor Brian Anderson AC FRS FTSE FAA ~ 1980
Professor Marilyn Anderson AO FTSE FAA ~ 2010
The Hon John Anderson AC FTSE ~ 2019
John Andrew AO FTSE ~ 2006
John Andrews FTSE ~ 1985
Emeritus Professor Peter Andrews AO FTSE ~ 1995
The Hon John Anthony AC FTSE ~ 1990
Dr John Archer FTSE ~ 2005
Dr Nick Archibald FTSE ~ 2006
Professor Peter Arlett FTSE ~ 1988
Emeritus Professor Peter Arnold FTSE ~ 1993
Emeritus Professor Yianni Attikiouzel AM FTSE ~ 2001
Dr Mary Ann Augustin FTSE ~ 2013
Dr Nick Austin FTSE FAICD ~ 2022
Dr Greg Ayers FTSE ~ 2006

B

Sir Geoffrey Badger FTSE ~ 1978
Dr Sukhvinder Badwal FTSE ~ 2001
Professor Alexander Baitch FTSE ~ 2015
Professor Joseph Baker AO OBE FTSE ~ 1989
Dr Alan Baker FTSE ~ 1991
Dr John Baker FTSE ~ 1997
Emeritus Professor Asbjorn Baklien FTSE ~ 1980
Professor Ken Baldwin FTSE ~ 2021
Dr Francis Ballard FTSE ~ 1997
Dr Edgar Banks FTSE ~ 1983
Emeritus Professor Michael Barber AO FTSE FAA ~ 2009
Emeritus Professor James Barker FTSE ~ 1983
Professor Edward Barlow FTSE ~ 2005
Dr Charles Barnes FTSE ~ 1984
Dr Susan Barrell AO FTSE ~ 2013
Anthony Barry AM FTSE FAICD ~ 2009
Simon Bartlett FTSE ~ 2006
Sir Charles Barton FTSE ~ 1978
Dr Ronald Barton FTSE ~ 1999
Emeritus Professor Kaye Basford AM FTSE ~ 2006
The Hon Marie Bashir AD CVO FTSE ~ 2006
Walter Bassett FTSE ~ 1975
Professor Antony Basten AO FTSE FAA ~ 1981
Professor Joanna Batstone FTSE ~ 2023
Professor Robin Batterham AO FREng FTSE FAA ~ 1988
Sir John Baxter FTSE ~ 1975
Dr John Baxter FTSE ~ 2007
Kelly Bayer Rosmarin FTSE ~ 2021
Professor David Beanland AO FTSE ~ 1993
Professor Lyn Beazley AO FTSE FAA ~ 2009
Dr Vaughan Beck AM FTSE ~ 1999
Dr Julie Beeby FTSE FAICD ~ 2017
Dr Franco Belgiorino-Nettis FTSE ~ 1990
Dr John Bell FTSE ~ 1993
Emeritus Professor Leonard Bell FTSE ~ 1994
Dr Gordon Bell FTSE ~ 2009
Distinguished Professor Genevieve Bell AO FTSE FAHA ~ 2018
Dr Geoffrey Belton FTSE ~ 1982

Katherine Bennell-Pegg FTSE ~ 2025
Professor John Bennett AO FTSE ~ 1981
Professor Sally Benson FTSE ~ 2024
Morrish Besley AC FTSE ~ 1985
Professor John Beynon FTSE ~ 2013
Professor Eva Bezak FTSE ~ 2025
Professor Suresh Bhagarva AM FTSE ~ 2010
Professor Madhu Bhaskaran FTSE ~ 2022
Professor Suresh Bhatia FTSE ~ 2010
Dr Sangeeta Bhatia FTSE ~ 2023
Dr Tom Biegler FTSE ~ 1992
Professor Simon Biggs FTSE ~ 2016
Professor Robert Bilger FTSE FAA ~ 1987
Professor Alan Billings AM FTSE ~ 1976
Dr Raymond Binns FTSE ~ 1999
Professor Graeme Bird AO FTSE ~ 1976
Distinguished Professor Trevor Bird FTSE ~ 1998
Anne-Marie Birkill FTSE ~ 2024
Dr Arthur Bishop FTSE ~ 1987
Warwick Bisley FTSE ~ 1996
Sandeep Biswas FTSE ~ 2021
Professor Robert Bitmead FTSE ~ 1999
Dr John Black AM FTSE ~ 1996
Dr Ian Blackburne FTSE ~ 1999
Professor Lachlan Blackhall FTSE ~ 2017
Dr Graeme Blackman AO FTSE ~ 2004
Donald Blackmore AM FTSE ~ 1998
Sir Robert Blackwood FTSE ~ 1975
Emeritus Professor Andrew Blakers AO FTSE FAA ~ 2004
Dr Frank Blakey FTSE ~ 1982
Dr William Blevin AM FTSE FAA ~ 1983
John Blevin FTSE ~ 1983
Douglas Blood FTSE ~ 1983
Dr Keith Boardman AO FRS FTSE FAA ~ 1986
Dr Douglas Bock FTSE ~ 2019
Dr David Boger FRS FTSE FAA ~ 1989
Professor John Boldeman AO FTSE ~ 1993
Richard Bolt FTSE ~ 2020
Dr Brian Bolto FTSE ~ 1978
Leeanne Bond FTSE FAICD ~ 2018
Dr Brian Booth AM FTSE ~ 1977
Dr Lynn Booth FTSE ~ 2019
Professor Rod Boswell AM FTSE FAA ~ 1999

Dr Bernard Bowen AM FTSE ~ 1978
Professor Mark Bradford FTSE ~ 2007
Professor Hugh Bradlow FTSE ~ 1991
Professor Anthony Bradshaw FTSE ~ 1977
Emeritus Professor Barry Brady FTSE ~ 2002
Dr Nan Bray FTSE ~ 2001
Professor Michael Breadmore FTSE ~ 2022
Emeritus Professor Robert Breakspere OAM FTSE ~ 1997
Professor Michael Brear FTSE ~ 2018
Percy Brett OBE FTSE ~ 1975
Milton Bridgland AO FTSE ~ 1983
Dr Desmond Bright FTSE ~ 1983
Emeritus Professor Mike Brisk FTSE ~ 1994
Emeritus Professor Lindsay Brit FTSE ~ 1992
Dr David Brockway FTSE ~ 1998
Elizabeth Broderick AO FTSE ~ 2018
Lord Alec Broers FRS FREng FTSE ~ 2002
Emeritus Professor Rod Brooks FTSE ~ 2006
Professor Michael Brooks FTSE ~ 2008
Dr John Brochie FTSE ~ 1988
Dr Donald Brown AO FTSE ~ 1985
Dr Robert Brown AM FTSE 1/12/1985
Dr William Brown AM FTSE ~ 1988
Professor Edwin Brown AC FREng FTSE ~ 1990
Alan Brown AM FTSE ~ 1993
Dr Ian Brown FTSE ~ 2012
Professor Alex Brown FTSE FAHMS ~ 2024
Professor Attila Brungs FTSE ~ 2018
Dr Bohdan Bubela FTSE ~ 1984
Dr Alex Buchanan FTSE ~ 1985
Emeritus Professor Ken Buckle FTSE ~ 1992
Professor Keith Bullock FTSE ~ 1988
Professor Margaret Bullock AM FTSE ~ 1991
Dr Jeremy Burdon FTSE FAA ~ 2009
Ian Burgess FTSE ~ 1990
Dr John Burgess FTSE ~ 1993
Professor Antony Burgess AC FTSE FAA ~ 2008
Emeritus Professor David Burke AC FTSE FAA ~ 1995
Dr Gunilla Burrowes FTSE ~ 2019
Dr Bill Burrows FTSE ~ 1999
Professor Mark Burry AO FTSE ~ 2018

Professor Donald Bursill AM FTSE ~ 2012
Professor Ashley Bush FTSE FAHMS ~ 2009
Professor Mark Bush ~ 2009
Dr Alfred Butcher FTSE ~ 1976
Dr William Butement FTSE ~ 1975
Phillip Butler FTSE ~ 2016
Dr Charles Butt FTSE ~ 2004
Dr Alan Bye FTSE ~ 2018
Professor Edward Byrne AC FTSE ~ 2012

C

Dr Thomas Callcott AM FTSE ~ 1976
Sir Bernard Callinan FTSE ~ 1977
Dr Ian Cameron FTSE ~ 1990
Dr Ron Cameron PSM FTSE ~ 2009
Emeritus Professor Ian Cameron FTSE ~ 2011
Edward Campbell FTSE ~ 1991
Professor Andrew Campbell FTSE FAICD ~ 2018
Dr Josep Canadell FTSE FAA ~ 2024
Dr Stuart Cannon FTSE ~ 2016
Professor Tony Cantoni FTSE ~ 1992
Dr Peter Carberry FTSE FAICD ~ 2012
Barry Carbon AM FTSE ~ 1994
Professor Robert Care AM FREng FTSE ~ 2006
Mr Tristram Carfrae FREng FTSE ~ 2002
Sir Roderick Carnegie AC FTSE ~ 1985
The Hon Kim Carr FTSE FAHA ~ 2022
Dr Michael Carroll FTSE ~ 1997
Richard Carter AM FTSE ~ 1996
Professor John Carter AM FTSE FAA ~ 2003
Professor Frank Caruso FRS FTSE FAA ~ 2024
Professor John Carver FTSE ~ 1986
Dr John Cashen FTSE ~ 1996
Professor Mark Cassidy FTSE FAA ~ 2008
Professor Kylie Catchpole FTSE FAA ~ 2022
Emeritus Professor Branko Celler FTSE ~ 2012
Professor Malcolm Chaikin AO OBE FTSE ~ 1977
Louis Challis AM FTSE ~ 2000
Robert Champion De Crespigny FTSE ~ 2001
Dr Michael Chaney FTSE ~ 2012
Alan Chappel FTSE ~ 2005
Dr Richard Charlton FTSE ~ 1993
Professor William Charters AM FTSE ~ 1995
Professor Dong Chen FTSE ~ 2007
Professor Vicki Chen FTSE ~ 2020
Professor Yi-Bing Cheng FTSE ~ 2007
Professor Liang Cheng FTSE ~ 2020
Distinguished Professor Jagadish Chennupati AC FREng FTSE FAA ~ 2002
Professor Brian Cherry FTSE ~ 1992
Dr Charles Chessell FTSE ~ 2003
Dr Clifford Christian FTSE ~ 1975
Dr John Christian AO FTSE ~ 1976
Ronald Christie AM FTSE ~ 2010
Professor Pak Chu FTSE ~ 1997
Professor Ian Chubb AC FTSE FAA ~ 2014
Dr John Church AO FTSE FAA ~ 2004
Sir Lindesay Clark FTSE ~ 1975
Dr Doreen Clark AM FTSE ~ 1990
Dr Gregory Clark AC FTSE FAA ~ 1991
Professor Graeme Clark AC FRS FTSE FAA ~ 1998
Dr Julian Clark FTSE ~ 2001
Dr Megan Clark AC FTSE ~ 2006
Professor Alice Clark FTSE ~ 2020
Professor Adrienne Clarke AC FTSE FAA ~ 1988
Drew Clarke AO FTSE ~ 2011
Dr Paul Cleary FTSE ~ 2015
Dr Frederick Clements FTSE ~ 1975
Dr Robert Clements AO FTSE ~ 1995
Dr Helen Cleugh FTSE ~ 2019
Richard Clifford FTSE ~ 2006
William Clough AO OBE FTSE ~ 1992
Peter Cockbain AM FTSE ~ 2008
Dr Janis Cocking PSM FTSE ~ 2012
Professor Phil Cocks FTSE ~ 2005
Henry Coe FTSE ~ 1997
Professor Shaun Coffey FTSE FAICD ~ 2004
Professor David Cohen FTSE ~ 2009
Kerryn Coker FTSE ~ 2025
Dr Peter Coldrey FTSE ~ 1996
Emeritus Professor Trevor Cole FTSE ~ 1991
Dr Martin Cole FTSE ~ 1992
Dr Martin Cole FTSE ~ 2019

Peter Coleman FTSE ~ 2013
Professor Michelle Colgrave
FTSE FAICD ~ 2022
Emeritus Professor Richard Collins
FTSE ~ 1990
Dr Peter Colman AC FRS FTSE FAA ~ 1997
Emeritus Professor Bill Compston
FRS FTSE FAA ~ 1997
Dr John Connell AM FTSE ~ 1985
Wynford Connick FTSE ~ 1988
Sir Willis Connolly FTSE ~ 1975
Dr Thomas Connor AO FTSE ~ 1996
Dr Greg Constable FTSE ~ 2000
Ian Constable FTSE ~ 2002
Ken Conway FTSE ~ 2006
Dr Clive Coogan AM FTSE ~ 1992
Geoffrey Cook AM FTSE ~ 1989
Dr Alan Cook FTSE ~ 1989
Dr David Cook AO FTSE ~ 1990
Professor Peter Cook CBE FTSE ~ 1998
Dr Lawrence Coombes FTSE ~ 1975
Dr Dennis Cooper FTSE ~ 1990
Professor Peter Corke FTSE FAA ~ 2017
Professor Edwina Cornish FTSE ~ 2000
Professor Douglas Coster AO FTSE ~ 1993
Professor Hans Coster FTSE ~ 2005
Sir Zelman Cowen QC FTSE ~ 1979
Professor Michael Cowley FTSE ~ 2011
Professor Wallace Cowling FTSE ~ 2018
Dr Wally Cox PSM FTSE ~ 1994
William Cox FTSE ~ 2019
Dr Jacqueline Craig AM FTSE ~ 2016
Dr Wendy Craik AM FTSE ~ 1996
Dr John Craske FTSE ~ 1985
Dr Peter Crawford AM FTSE ~ 1987
Julian Cribb AM FTSE ~ 2003
Emeritus Professor John Crisp A FTSE ~ 1981
David Croft AM FTSE ~ 2006
Professor Elizabeth Croft FTSE ~ 2021
Brian Croser AO FTSE ~ 2001
Professor Stuart Crozier FTSE ~ 2007
Professor Peter Cullen FTSE ~ 1991
Dr Robert Culver AM FTSE ~ 1987
Mariannus Cuming FTSE ~ 1976
Ronald Cumming FTSE ~ 1979
Professor Graham Currie FTSE ~ 2017
John Curtis CB FTSE ~ 1979
Barry Cusack FTSE ~ 2001
Professor Matthew Cuthbertson
FTSE FAICD ~ 1998
Professor Andrew Cuthbertson
AO FTSE FAA FAHMS ~ 2012

Dr Terry Cutler FTSE ~ 2008
Dr Nicholas Cutmore FTSE ~ 2003

D

Dr Ian Dagley FTSE ~ 2010
Scientia Professor Liming Dai
FTSE FAA ~ 2024
Professor James Dale AO FTSE ~ 2014
Dr Joanne Daly PSM FTSE ~ 2004
Emeritus Professor Graeme Dandy
FTSE ~ 2007
Keith Daniel FTSE ~ 1993
Trevor Danos AM FTSE FAICD ~ 2020
Professor Peter Darvall AO FTSE ~ 1994
Emeritus Professor Mat Darveniza
AO FTSE ~ 1982
Emeritus Professor Henrique D'Assumpcao
AO FTSE ~ 1981
James Davidsn AO FTSE ~ 1984
Dr James Davidson AM FTSE ~ 1999
Dianne Davidson AM FTSE ~ 2001
Robert Davie FTSE ~ 1989
Dr Louis Davies FTSE ~ 1975
Emeritus Professor Graham Davies
FREng FTSE ~ 2013
Ernest Dawes OAM OBE FTSE ~ 1991
Dr Frank De Hoog FTSE ~ 2009
Professor David De Kretser
AC FTSE FAA ~ 2001
Professor John De Laeter AO FTSE ~ 1984
Emeritus Professor Rocky de Nys
FTSE ~ 2017
Emeritus Professor Graham De Vahl Davis
AM FTSE ~ 1993
Christopher Deeley FTSE ~ 1990
Roy Deicke FTSE ~ 1984
Professor Ana Deletic FTSE ~ 2011
Dr Owen Denmead AO FTSE ~ 1989
Dr Liz Dennis AC FTSE FAA ~ 1987
Dr Iris Depaz FTSE ~ 2024
Robert Dewar FTSE ~ 1975
Margaret Dick FTSE ~ 1977
Professor Claus Diessel FTSE ~ 1996
Professor John Dixon FTSE ~ 2018
Distinguished Professor Kingsley Dixon
AO FTSE ~ 2020
Professor Bogdan Dlugogorski FTSE ~ 2006
Karen Dobson FTSE ~ 2024
Dr Paul Donaghue OAM FTSE ~ 1998
Dr Alan Donald AM FTSE ~ 1988
Dr John Donnelly FTSE ~ 2002
Dr Dimity Dornan AO FTSE ~ 2016

Emeritus Professor Shi Xue Dou
AM FTSE ~ 1994
Professor Paul Douglas FTSE FAICD ~ 2004
Professor Peter Dowd FREng FTSE ~ 2006
Dr Ronald Downes FTSE ~ 1975
Dr Edward Doyle FTSE ~ 1996
Dr Eileen Doyle FTSE ~ 2016
Rachelle Doyle FTSE ~ 2024
Ken Dredge FTSE ~ 1990
Professor Richard Drew AM FTSE ~ 2000
Distinguished Professor Calum Drummond
AO FTSE FAA ~ 2006
Dr Rod Dry FTSE ~ 2003
Professor Wenhui Duan FTSE ~ 2021
Dr Rosalind Dubs FTSE FAICD ~ 2014
Robert Dun FTSE ~ 1979
Dr Ian Duncan FTSE ~ 1994
Emeritus Professor Annabelle Duncan
PSM FTSE ~ 2018
Professor Gordon Dunlop FTSE ~ 1997
Robert Dunn FTSE ~ 1979
Rear Admiral Rachel Durbin
AM CSC FTSE RAN ~ 2024
Professor Michael Dureau AM FTSE ~ 2001
Dr Bob Durie FTSE ~ 1976
Professor Hugh Durrant-Whyte FTSE ~ 2002
Professor Terence Dwyer AO FTSE ~ 2006

E

Professor Sandra Eades
AO FTSE FAHMS FASSA ~ 2023
Dr John Eady FTSE ~ 1990
Trevor Eastwood FTSE ~ 1992
Dr Elizabeth Ebert FTSE ~ 2022
Professor Richard Eckard FTSE ~ 2021
Sir Rod Eddington AO FTSE ~ 2012
Emeritus Professor Ronald Edwards
FTSE ~ 1983
Dr William Edwards FTSE ~ 1996
Michael Edwards FTSE ~ 2014
Professor Adrian Egan FTSE ~ 1990
Professor Renate Egan FTSE ~ 2020
Professor Benjamin Eggleton
FTSE FAA ~ 2009
Professor Menachem Elimelech FTSE ~ 2021
Dr Susannah Elliott FTSE ~ 2023
Professor Abigail Elizur FTSE ~ 2016
Murray Ellen FTSE ~ 2011
Jerry Ellis FTSE ~ 1989
Dale Elphinstone AO FTSE ~ 2003
Professor Lance Endersbee AO FTSE ~ 1984

Sir Frank Espie OBE FTSE ~ 1978
Dr Mike Etheridge FTSE ~ 1998
John Evans AM FTSE ~ 1981
Professor Robin Evans FTSE FAA ~ 1991
Dr Robert Evans FTSE ~ 2003
Dr Bronwyn Evans AM FTSE ~ 2012
Dr Robert Every AO FTSE ~ 1997
Emeritus Professor Michael Eyles
AM FTSE ~ 2001

F

Kathryn Fagg AC AO FTSE ~ 2013
Dr Jackie Fairley FTSE ~ 2016
Katrina Fairley-Grenot FTSE ~ 2012
Professor Katrina Falkner FTSE ~ 2022
Emeritus Professor John Lindsay Falvey
FTSE ~ 1997
Professor Liang-Shih Fan FTSE ~ 2013
Professor Anthony Fane FTSE ~ 1996
Professor Lorenzo Faraone
AM FTSE FAA ~ 2004
Dr Ross Fardon FTSE ~ 1995
Dr Arthur Farnworth MBE FTSE ~ 1987
Dr John Farrands FTSE ~ 1975
Dr Peter Farrell AM FTSE ~ 1987
Dr Keith Farrer OBE FTSE ~ 1976
John Faulkner FTSE ~ 2001
Emeritus Professor Christopher Fell
AM FTSE ~ 1988
Professor Dagan Feng FTSE ~ 2005
Dr Ken Ferguson FTSE ~ 1976
Professor Ian Ferguson AM FTSE ~ 1992
Paul Ferrar FTSE ~ 2000
Francesca Ferrazza FTSE ~ 2019
James Fewings FTSE ~ 1994
Emeritus Professor Geoffrey Fincher
AO DSC FTSE FAA ~ 2014
Professor Peter Fink FTSE ~ 1975
Dr Alan Finkel AC FTSE FAA ~ 2006
Thomas Finn AO FTSE FAICD ~ 1991
George Fischer FTSE ~ 1975
Dr Ralph Fischer AM FTSE ~ 1998
The Hon Tim Fischer AC FTSE ~ 2000
Sir George Fisher FTSE ~ 1976
Dr Gary Fitt FTSE FAICD ~ 2001
Edgar Fitzpatrick AM FTSE ~ 1993
Professor Robert Fitzpatrick FTSE ~ 2008
Dr Therese Flapper FTSE ~ 2023
Ian Fleming OBE FTSE ~ 1976
Dr Nicholas Fleming FTSE ~ 2025

Professor Neville Fletcher
AM FTSE FAA ~ 1987
Dr John Floyd AM FTSE ~ 1992
Trevor Flugge AO FTSE ~ 2002
Dr Cathy Foley AO PSM FTSE FAA ~ 2008
Professor Mary Foley AM FTSE ~ 2022
Professor Clinton Fookes FTSE ~ 2024
Professor Simon Foote
FTSE FAA FAHMS ~ 2009
Sir James Foots AO FTSE ~ 1976
Dr Douglas Ford FTSE ~ 1976
Dr Thomas Forgan OAM FTSE ~ 1999
Professor Hans Forsberg FTSE ~ 1995
Professor Maria Forsyth AM FAA ~ 2022
Professor Nigel Forteath FTSE ~ 2000
Professor Neil Foster FTSE ~ 2007
Professor Stephen Foster FTSE ~ 2023
Ross Fowler FTSE ~ 2005
Dr James Fox FTSE ~ 1992
Professor Bronwyn Fox AO FTSE ~ 2017
Dr Alexander Fraser FTSE ~ 1977
Professor Clive Fraser FTSE ~ 2000
Dr Paul Fraser FTSE ~ 2005
Professor Barry Fraser FTSE FASSA ~ 2010
Dr Robert Frater AO FTSE FAA ~ 1982
Professor Michael Frater FTSE ~ 2015
Emeritus Professor Ian Frazer
AC FRS FTSE FAA FAHMS ~ 2003
Dr Gordon Frazer FTSE ~ 2018
Dr John Freney AO FTSE ~ 1986
Dr John Friend FTSE ~ 1993
Dr Steven Frisken FTSE ~ 2017
Dr Harold Frith FTSE ~ 1975
Dr Malcolm Frost FTSE ~ 2002
Professor Donald Fry AO FTSE ~ 2006
Professor Douglas Fuerstenau FTSE ~ 2001
Dr Elizabeth Fulton FTSE FAA ~ 2022
Professor Neil Furlong FTSE ~ 1997

G

Dr Ian Galbally FTSE ~ 2002
Professor James Galvin FTSE ~ 2009
Professor Kevin Galvin FTSE FAA ~ 2012
Dr Yue Gao FTSE ~ 2023
Emeritus Professor Helen Garnett
PSM FTSE ~ 1996
Dr Geoff Garrett AO FTSE ~ 2003
The Hon Peter Garrett AM FTSE ~ 2025
Arthur Gaskin FTSE ~ 1980
Dr Doug Gauntlett FTSE ~ 1993

Professor Donald George AO FTSE ~ 1977
Dr Wayne Gerlach FTSE ~ 2006
Professor Anna Giacomini FTSE ~ 2023
Dr William Gibbs FTSE ~ 1978
Robert Gibson FTSE 30/11/1991
Dr Don Gibson FTSE ~ 1992
Professor Robert Gibson AO FTSE ~ 1993
Barbara Gibson FTSE ~ 1996
Jim Gill FTSE ~ 1991
Professor Bronwyn Gillanders FTSE ~ 2023
Allan Gillespie FTSE ~ 1995
Professor Laurence Gillin AM FTSE ~ 1994
Dr Rowan Gilmore FTSE ~ 2009
Professor Alistair Gilmour FTSE ~ 1977
John Gilmour AM FTSE ~ 1999
Dr Sergio Giudici FTSE ~ 1994
Dr John Gladstones AM FTSE ~ 1976
Professor Barney Glover AO FTSE ~ 2016
Dr Robert Godfrey FTSE ~ 2012
Denys Goggin FTSE ~ 1998
Professor Raymund Golding AO FTSE ~ 1995
Professor Ashley Goldsworthy
AO OBE FTSE ~ 1994
Denise Goldsworthy AO FTSE ~ 2013
Professor Ewa Goldys FTSE ~ 2017
Dr Malcolm Golley FTSE ~ 1995
Professor Michael Good
AO FTSE FAHMS ~ 2010
Professor (John) Justin Gooding
FTSE FAA FAHMS ~ 2018
Professor Graham Goodwin
AO FRS FTSE FAA ~ 1987
Dr Victoria Gordon FTSE ~ 2025
Les Gore FTSE ~ 1996
Graham Gosewinckel FTSE ~ 1986
Dr Alexander Gosling AM FTSE ~ 2010
John Gough AO OBE FTSE ~ 1992
Associate Professor Nicholas Gough
FTSE ~ 1997
Dr Ian Gould AM FTSE ~ 2007
Mr John Grace AO FTSE FAICD ~ 1998
James Graham AM FTSE ~ 2003
Professor Sally Gras FTSE ~ 2020
General Peter Gration AC OBE FTSE ~ 1988
Professor Peter Gray AO FTSE ~ 1992
Professor David Grayden FTSE ~ 2023
Dr Harry Greaves FTSE ~ 1997
General Kenneth Green OBE FTSE ~ 1975
Dr Roy Green AO FTSE ~ 1986
Professor Martin Green
AM FRS FTSE FAA ~ 1994
Dr Andrew Green FTSE ~ 1997

Professor Anne Green AC FTSE ~ 2014
Dr Paul Greenfield AO FTSE ~ 1992
Professor Stewart Greenhalgh FTSE ~ 2000
Dr Anhony Gregson AM FTSE ~ 2003
Andrew Greig FTSE ~ 2012
Professor Christopher Greig FTSE ~ 2013
Dr Ian Grey FTSE ~ 2002
Bruce Grey FTSE ~ 2004
Dr Geoffrey Grigg FTSE ~ 1995
Professor David Griggs FTSE ~ 2011
John Grill AO FTSE ~ 2007
Professor Robin Grimes FREng FTSE ~ 2016
Oscar Groeneveld FTSE ~ 2006
Professor Min Gu FTSE FAA ~ 2006
Dr Stephen Gumley AO FTSE ~ 2007
Emeritus Professor Morris Gunn FTSE ~ 1986
John Gunn FTSE ~ 2014
Distinguished Professor Yingjie Jay Guo FTSE ~ 2013
Professor Zaiping Guo FTSE FAA ~ 2023
Professor Yuming Guo FTSE FAHMS ~ 2025
Professor Ian Gust AO FTSE ~ 1986
Professor Roy Guthrie AM FTSE ~ 1995
Dr Vanessa Guthrie AO FTSE ~ 2015
Emeritus Professor Anthony Guttman AM FTSE FAA ~ 2007

H

Professor Paul Haddad FTSE FAA ~ 2000
Emeritus Professor Gustaaf Hallegraeff FTSE ~ 2005
Jim Hallion FTSE ~ 2012
Dr Ernest Hallsworth FTSE ~ 1975
Professor Michael Halmagyi FTSE ~ 1997
Dr John Hamblin FTSE ~ 1998
Professor Gunnar Hambræus FTSE ~ 1983
Alan Hamer FTSE ~ 1978
Air Vice Marshall Julie Hammer FTSE ~ 2008
Professor Keith Hampson FTSE FAICD ~ 2018
Emeritus Professor Greg Hancock AM FTSE ~ 2004
Dr Richard Hannink FTSE ~ 1999
Professor Hong Hao FTSE ~ 2016
Professor Xiaojing Hao FTSE FAA ~ 2022
Professor Karen Hapgood FTSE ~ 2021
Professor Bronwyn Harch FTSE ~ 2013
Ronald Hardwick FTSE ~ 2005
Dr Graham Harris FTSE ~ 1997
David Harrison FTSE ~ 1985
Professor Susan Harrison FTSE ~ 2025

Professor Matthew Harrison FTSE ~ 2025
Dr Margaret Hartley FTSE ~ 2011
Dr John Hart-Smith FTSE ~ 1998
Dr James Harvey AM FTSE ~ 1996
Dr Erol Harvey FTSE ~ 2005
Dr Max Hatherly FTSE ~ 1984
Dr Tom Hatton PSM FTSE ~ 2016
Professor Anthony Haymet FTSE ~ 2016
Professor Brian Haynes FTSE ~ 2002
Dr Douglas Haynes FTSE ~ 2011
Professor Thomas Healy AO FTSE FAA ~ 1991
Michael Heard FTSE ~ 2011
Professor Milton Hearn AM FTSE ~ 1990
Elizabeth Heij FTSE ~ 2000
Professor Gernot Heiser FTSE ~ 2016
Dr Paul Heithersay PSM FTSE ~ 2012
Roy Henderson FTSE ~ 1980
Professor Ann Henderson-Sellers FTSE ~ 2000
Menno Henneveld AM FTSE ~ 2008
Rodney Henry CBE FTSE ~ 1977
Professor Robert Henry FTSE ~ 2013
Dr Edward Henzell AO FTSE ~ 1979
John Hepburn OBE FTSE ~ 1976
Professor Susanne Hermesch FTSE ~ 2023
Janine Herzig FTSE ~ 2022
Dr Basil Hetzel AC FTSE ~ 1981
Dr David Hetzel FTSE FAICD ~ 2001
Dr Michelle Heupel FTSE ~ 2024
Dr Warren Hewertson FTSE ~ 1991
Dr Brian Hickman FTSE ~ 1989
Dr Huntly Higgins FTSE ~ 1976
Dr Thomas Higgins AO FTSE FAA ~ 1997
Professor Emily Hilder FTSE ~ 2018
Emeritus Professor Stephen Hill AM FTSE ~ 1995
Dr Roderick Hill FTSE FAICD ~ 1999
Dr Anita Hill FTSE ~ 2008
Emeritus Professor David Hill FTSE FAA ~ 2011
Dr William Hillis AM FTSE ~ 1980
Emeritus Professor Richard Hillis FTSE ~ 2011
Robert Hillman AO FTSE ~ 1987
Dr Carrie Hillyard AM FTSE FAICD ~ 1997
Professor Doug Hilton AO FTSE FAA FAHMS ~ 2010
David Hind OAM FTSE ~ 2003
Kathy Hirschfeld AM FTSE ~ 2009
Dr Michael Hirshorn OAM FTSE ~ 2005
Dr Cherrell Hirst AO FTSE ~ 2008
Dr Robert Hobbs FTSE ~ 1996

Professor Bruce Hobbs AO FTSE FAA ~ 2006
Dr Alistair Hobday FTSE ~ 2023
Dr Robert Hodge FTSE ~ 2015
Professor Peter Hodgson FTSE ~ 2011
Professor Melinda Hodkiewicz FTSE ~ 2019
Professor Mark Hoffman FTSE ~ 2014
Professor Peter Høj AC FTSE FAA ~ 2004
Dr George Holan FTSE ~ 1984
Sir John Holland AC FTSE ~ 1976
Professor Bruce Holloway AO FTSE FAA ~ 1990
Professor Andrew Holmes AC FRS FTSE FAA ~ 2006
Soichiro Honda FTSE ~ 1984
Professor Michael Hood FTSE ~ 2002
John Hooke CBE FTSE ~ 1983
Professor Stephen Hopper FTSE ~ 2011
Professor Richard Horsley FTSE ~ 1997
Norman Hosking AO FTSE ~ 1989
Professor Mark Howden AC FTSE FAA ~ 2022
Shu-En Hsu FTSE 30/11/1998
Professor Ron Huckstep FTSE ~ 1982
Sir William Hudson FTSE ~ 1975
Dr Christopher Hudson FTSE ~ 1993
Dr Peter Hudson FTSE ~ 2002
David Hudson FTSE ~ 2004
Professor Ron Hui FREng FTSE ~ 2010
Emeritus Professor Kenneth Hunt FTSE ~ 1976
Dr Jon Huntington FTSE ~ 1997
Professor Elanor Huntington FTSE ~ 2020
General David Hurley AC DSC FTSE ~ 2016
Distinguished Professor Dietmar Hutmacher FTSE FAHMS ~ 2022

I

Professor Jorg Imberger AM FREng FTSE FAA ~ 1985
Distinguished Professor Buddhima Indraratna AM FTSE ~ 2011
Sir Brian Inglis AC FTSE ~ 1983
Dr Barry Inglis AO FTSE ~ 2004
John Innes FTSE ~ 1989
Emeritus Professor John Irwin FTSE ~ 1998
Dr Silviu Itescu FTSE ~ 2013
Gabrielle Iwanow FTSE ~ 2024

J

Norton Jackson AM FTSE ~ 1981
Professor William Jackson AM FTSE ~ 1990

Murray Jackson FTSE ~ 1998
Maxwell Jacobs FTSE ~ 1975
Mikaela Jade FTSE ~ 2023
Professor Graeme Jameson AO FRS FTSE FAA ~ 1991
Gordon Jardine FTSE ~ 2004
Dr Steve Jefferies AM FTSE ~ 2020
Professor Martyn Jeggo FTSE FAICD ~ 2012
Professor Misty Jenkins AO FTSE ~ 2024
Colin Jensen FTSE ~ 2014
Distinguished Professor Baohua Jia FTSE ~ 2023
Professor Dayong Jin FTSE ~ 2021
Roger Johnson FTSE ~ 1981
Andrew Johnson FTSE ~ 1998
Peter Johnson FTSE ~ 2012
Dr Andrew Johnson FTSE ~ 2014
Dr James Johnson FTSE ~ 2021
Emeritus Professor Ron Johnston FTSE ~ 1990
Emeritus Professor Graham Johnston AM FTSE ~ 1993
Ian Johnston FTSE ~ 1997
Emeritus Professor Archie Johnston FTSE ~ 2008
Professor Emma Johnston AO FTSE FAA ~ 2019
Dr Raymond Jones OAM FTSE ~ 1989
Dr Peter Jones FTSE ~ 1991
The Hon Barry Jones AC FTSE FAA FAHA FASSA ~ 1992
Dr Adam Jostsons FTSE ~ 1994
Professor Peter Joubert AM OAM FTSE ~ 1979
Alan Joyce AC FTSE ~ 2012
Emeritus Professor Kenneth Jubb FTSE ~ 1982
Jonathan Jutsen FTSE ~ 2000

K

Dr Patricia Kailis AM OBE FTSE ~ 1996
Professor Kourosh Kalantar-Zadeh FTSE ~ 2025
Dr Marlene Kanga AO FTSE FAA ~ 2014
Dr Agu Kantsler FTSE ~ 2006
Professor Antoni Karbowiak AM FTSE ~ 1976
Professor Michael Kassiou FTSE ~ 2025
Neil Kavanagh FTSE ~ 2025
Dr Kourosh Kayvani FTSE ~ 2017
Bruce Kean AM FTSE ~ 1995
Dr Susan Keay FTSE ~ 2021
Jack Kefford FTSE ~ 1984

Richard Kell AM FTSE ~ 1999
Graeme Kelleher AO FTSE ~ 1988
Emeritus Professor Jurg Keller FTSE ~ 2011
Dr Desmond Kelly AM FTSE ~ 1989
Bryan Kelman FTSE ~ 1983
Kelly Kelsall FTSE ~ 1976
Professor Mark Kendall FTSE ~ 2017
Professor Michael Keniger FTSE ~ 2005
Dr John Keniry AM FTSE ~ 1991
Professor Sandra Kentish FTSE ~ 2019
The Hon John Kerin AO FTSE ~ 2001
Dr Fiona Kerr FTSE ~ 2024
Professor Nasser Khalili FTSE ~ 2022
Professor Stuart Khan FTSE ~ 2020
Dr Glen Kile AM FTSE ~ 2000
Wallace King AO FTSE ~ 1996
Professor Robin King AO FTSE ~ 2011
Malcolm Kinnaird AC AO FTSE 1/1/199
Bob Kirkby FTSE ~ 2006
James Kirkwood FTSE ~ 1978
Professor Sritawat Kitipornchai FTSE ~ 2009
Dr Anthony Kjar FTSE ~ 1993
David Klingberg AO FTSE ~ 1999
Professor Svend Peter Klinken AC FTSE FAHMS ~ 2016
Marius Kloppers FTSE ~ 2012
Robert Klupacs FTSE ~ 2020
Professor Mark Knackstedt FTSE ~ 2010
Doug Kneebone FTSE ~ 1991
Sir Allan Knight FTSE ~ 1977
Dr James Knight AM FTSE ~ 1986
Peter Knight AM FTSE ~ 1994
John Knight FTSE ~ 2003
Dr Geoffrey Knights AM FTSE ~ 1993
David Knox FTSE ~ 2012
Professor David Koch FTSE ~ 1980
Dr Jan Kolm AO FTSE ~ 1978
Professor Anna Koltunow FTSE FAA ~ 2018
Dr George Kossoff AO FTSE ~ 1983
Professor Ramamohanarao Kotagiri FTSE FAA ~ 1999
Professor Linda Kristjanson FTSE FAICD ~ 2017

L

Dr Robert La Nauze FTSE ~ 1996
Philip Laffer AM FTSE ~ 2004
Dr Dale Lambert FTSE ~ 2021
Adjunct Professor Daniel Lambert AM FTSE ~ 2023

John Landy AC MBE FTSE ~ 2003
Professor Kenneth Langford AM FTSE ~ 1998
Dr Ian Langlands OBE FTSE ~ 1981
Steven Langley FTSE ~ 1983
Professor Peter Langridge AM FTSE FAA ~ 2016
Professor Marcia Langton AO FTSE FASSA ~ 2021
Robert Lansdown FTSE ~ 1978
Emeritus Professor Ross Large AO FTSE ~ 1999
Professor Frank Larkins AM FTSE FAA ~ 1989
Professor Richard Larkins AC FTSE ~ 2008
John Laurie AC FTSE ~ 1994
Dr Anna Lavelle AM FTSE ~ 2014
Peter Laver AM FTSE ~ 1992
Dr Phillip Law AC CBE FTSE FAA ~ 1976
Professor Robert Lawn FTSE ~ 2011
Dr Anthony Lawrance FTSE ~ 1995
Dr Frank Lawson FTSE ~ 1995
Dr Maxwell Lay AM FTSE ~ 1985
Professor Alec Lazenby AO FTSE ~ 1976
Dr Terence Lee OAM FTSE ~ 1992
Yee Cheong Lee AO FTSE ~ 2000
Professor Ki-Jun Lee FTSE ~ 2000
Professor Peter Lee FTSE ~ 2009
Distinguished Professor Michelle Leishman FTSE ~ 2024
Dr Bruce Leslie FTSE ~ 2025
Professor Guillaume Lessene FTSE ~ 2023
Professor Leung Leung FTSE ~ 1988
Keith Lewis AO CB FTSE ~ 1982
Professor Rob Lewis PSM FTSE ~ 1998
Elizabeth Lewis-Gray FTSE ~ 2017
Professor Jinghai Li FREng FTSE ~ 2012
Professor Chengdao Li FTSE ~ 2021
Graeme Liebelt FTSE ~ 2007
Professor Peter Lilly FTSE ~ 2007
Professor Christina Lim FTSE ~ 2025
Emeritus Professor David Lindsay AO FTSE ~ 1984
Dr Tony Lindsay FTSE ~ 2017
Professor Anthony Linnane AM FRS FTSE FAA ~ 1999
Professor Dennis Liotta FTSE ~ 2014
Dr Menzie Lipson FTSE ~ 1976
Professor Jim Litster FREng FTSE ~ 2010
Donald Little AO FTSE ~ 1987
Professor Hua Kun Liu AM FTSE ~ 2013
Dr Key Liu FTSE ~ 2015
Dr Xiaoling Liu FTSE ~ 2017
Professor Yun Liu FTSE ~ 2023

Dr Andrew Liveris AO FTSE ~ 2008
Dr Catherine Livingstone
AC FTSE FAA FAICD ~ 2002
Dr Danny Llewellyn FTSE ~ 2001
Professor David Lloyd FTSE ~ 2019
Bernard Lochtenberg FTSE ~ 1996
Professor Jack Loneragan AM FTSE ~ 1977
Dr Gordon Long FTSE ~ 1994
Graeme Longbottom FTSE ~ 1989
Brian Loton AC FTSE ~ 1980
Dr Roger Lough AM FTSE ~ 2005
Professor John Loughhead
OBE FREng FTSE ~ 2011
Professor Nigel Lovell FTSE ~ 2011
Professor John Lovering AO FTSE FAA ~ 1993
Emeritus Professor Ian Lowe
AO FTSE ~ 2005
Professor Arthur Lowery FTSE ~ 2007
Dr John Lowke FTSE ~ 1989
Professor Max Lu
AO FREng FTSE FAA ~ 2002
Professor Andre Luiten FTSE ~ 2020
Dr Roger Lumley FTSE ~ 2015
Emeritus Professor Barry Luther-Davies
FTSE ~ 2005
Professor Sam Luxton FTSE ~ 1982
Emeritus Professor Alban Lynch
AO FTSE ~ 1979

M

Rod Macdonald FTSE ~ 1984
Distinguished Professor Douglas MacFarlane
FRS FTSE FAA ~ 2009
Bruce Mackay FTSE ~ 1976
Professor John Mackenzie AO FTSE ~ 2015
Sue MacLeman FTSE FAICD ~ 2018
Dr Ian Macleod AM FTSE ~ 2000
Jane Macmaster FTSE ~ 2023
Malcolm Macpherson FTSE ~ 1999
Romilly Madew AO FTSE ~ 2019
Sir Russell Madigan FTSE ~ 1978
Professor Robert Mahony FTSE FAA ~ 2025
Professor Yiu-Wing Mai
AM FRS FREng FTSE FAA ~ 1992
Dr Robert Mair AM FTSE ~ 1995
Dr Kathleen Makinson AM FTSE ~ 1981
Dr Chris Mallett FTSE ~ 1998
George Maltabarow FTSE ~ 2011
Dr Peter Manins FTSE ~ 1998
Emeritus Professor Michael Manton
FTSE ~ 2001
Professor Iven Mareels FTSE ~ 2000

Robin Marrett FTSE ~ 1993
Emeritus Professor Helene Marsh
AO FTSE FAA ~ 2010
Professor Donald Marshall FTSE ~ 1995
Dr Larry Marshall FTSE FAICD ~ 2016
Professor Raymond Martin
AO FTSE FAA ~ 1989
Professor Darren Martin FTSE ~ 2020
Professor Ivan Marusic FTSE FAA ~ 2021
Professor Thomas Maschmeyer
AO FTSE FAA ~ 2011
Dr Ramesh Mashelkar FRS FTSE ~ 2008
Professor Iain Mason FTSE ~ 2007
Professor Colin Masters AO FTSE FAA ~ 2007
Sir James Matheson FTSE ~ 1975
Donald Mathewson FTSE ~ 1985
Kenneth Matthews AO FTSE ~ 2011
Professor Chris Matthews FTSE ~ 2023
Professor John Mattick
AO FTSE FAA FAHMS ~ 2017
Dr Albert Mau FTSE ~ 1997
Sir Maurice Mawby FTSE ~ 1975
Dr Jim May FTSE ~ 1994
Lord Robert May AC FRS FTSE ~ 2001
Professor Eric May FTSE ~ 2018
Professor Oliver Mayo FTSE FAA ~ 1994
The Hon Karlene Maywald FTSE ~ 2012
Kiran Mazumdar-Shaw FTSE ~ 2018
Professor Peter McAree FTSE ~ 2013
Dr Sally McArthur FTSE ~ 2021
Dr Neville McCarthy AO FTSE ~ 1988
Ian McCausland FTSE ~ 1997
Dr Bob McCluskey FTSE ~ 1992
Su McCluskey FTSE ~ 2023
Emeritus Professor Jennifer McComb
AM FTSE ~ 1999
Dr Paul McCormick FTSE ~ 1997
Kenneth McCracken FTSE ~ 1979
Sir Osborne McCutcheon FTSE ~ 1975
Gavin McDonald OBE FTSE ~ 1988
Professor Gavan McDonell FTSE ~ 1990
Dr Angus McEwan FTSE FAA ~ 1994
John McGagh AM FTSE ~ 2013
Dr Errol McGarry AM FTSE ~ 2001
James McIlvenny FTSE ~ 2010
Sir Malcolm McIntosh FTSE ~ 1997
Dr John McIntyre AM OBE FTSE ~ 1981
Alex McLachlan AM FTSE ~ 1990
Professor Michael McLaughlin
AM FTSE FAA ~ 2009
Emeritus Professor Alexander McLean
FTSE ~ 2004

Sir Ian McLennan KBE FTSE FAA ~ 1975
Professor James McLeod
AO FTSE FAA ~ 1987
Emeritus Professor Thomas McMahon
FTSE ~ 1986
Dr Graham McMaster FTSE ~ 1995
Professor Tom McMeekin AO FTSE ~ 1994
Professor Tony McMichael AO FTSE ~ 2003
Brian McNamee FTSE ~ 2006
Professor Jocelyn McPhie FTSE ~ 2014
Sarah McSwiney FTSE ~ 2025
Dr James McWilliam ~ 1985
Dr James McWilliam FTSE ~ 1985
Dr Sue Meek AO FTSE ~ 2005
Emeritus Professor William Melbourne
FTSE ~ 1991
Professor Robert Melchers FTSE ~ 2003
Professor Bob Menary OAM FTSE ~ 1995
Donald Mentz AM FTSE ~ 1999
Professor Hugo Messerle FTSE ~ 1978
Peter Meulman FTSE ~ 1988
Peter Meurs FTSE ~ 2011
Dr Ken Michael AC FTSE ~ 1993
Andrew Michelmores AO FTSE ~ 2003
Professor Anton Middelberg FTSE ~ 2006
Robert Mierisch AM FTSE ~ 1986
Professor Michael Milford FTSE ~ 2022
Peter Miller FTSE ~ 1983
Professor Michael Miller AO FTSE ~ 1993
Dr Richard Millington FTSE ~ 1978
Professor Nancy Millis
AC MBE FTSE FAA ~ 1977
Harry Minnett OBE FTSE ~ 1979
Dr Graham Mitchell AO FTSE FAA ~ 1987
Professor Cynthia Mitchell FTSE ~ 2012
Professor Neena Mitter FTSE ~ 2019
Dr Graeme Moad AC FRS FTSE FAA ~ 2021
Professor Bradley Moggridge FTSE ~ 2025
Emeritus Professor Reginald Moir
AO FTSE ~ 1981
David Money FTSE 30/11/1992
Clive Monk FTSE ~ 1980
Professor Tanya Monro AC FTSE FAA ~ 2009
Professor John Moore FTSE FAA ~ 1985
Professor Anna Moore FTSE ~ 2023
Professor Christopher Moran FTSE ~ 2018
Distinguished Professor Lidia Morawska
FTSE FAA ~ 2025
Professor Matthew Morell FTSE ~ 2010
Stuart Morgan AM FTSE ~ 1986
Hugh Morgan AC FTSE ~ 1991
Gerald Moriarty AM FTSE ~ 2000

Dr Frederick Morley FTSE ~ 1979
Dr William Morrison AM FTSE ~ 1995
Roger Morse AO FTSE ~ 1977
Dr George Morstyn FTSE ~ 2013
Distinguished Professor David Moss
FTSE ~ 2024
Professor Adrian Mouritz FTSE ~ 2019
Dr Craig Mudge AO FTSE FAICD ~ 1985
Dr Maurice Mulcahy FTSE ~ 1980
Lawrence Muller OAM FTSE ~ 1983
Henry Muller FTSE ~ 2000
Dr Robert Muncey FTSE ~ 1976
Chloe Munro AO FTSE ~ 2012
Susan Murphy AO FTSE ~ 2009
Barry Murphy FTSE ~ 2014
Keith Murray FTSE 30/11/1977
Emeritus Professor Noel Murray FTSE ~ 1989
Dr Mike Murray FTSE ~ 1991
Sir Rupert Myers AO KBE FTSE FAA ~ 1979

N

Distinguished Professor Saeid Nahavandi
FTSE ~ 2019
Pamela Naidoo-Ameglio FTSE ~ 2025
Professor Ravendra Naidu FTSE ~ 2017
Professor Malcolm Nairn AM FTSE ~ 1989
Dr Andrew Nash FTSE FAA ~ 2021
Professor Graham Nathan FTSE ~ 2023
Gordon Naylor FTSE ~ 2020
Sir Eric Neal AC CVO FTSE ~ 1989
Emeritus Professor Eduardo Nebot
FTSE ~ 2016
Dr Keith Neill AM FTSE ~ 1993
Peter Nelson FTSE 30/11/1986
Dr Laszlo Nemes FTSE ~ 1997
Dr John Ness FTSE ~ 2013
Professor Paul Nestel AO FTSE ~ 1991
Ivan Newnham FTSE ~ 1975
Dr Helen Newton-Turner OBE FTSE ~ 1975
Professor Tuan Ngo FTSE ~ 2023
Peter Nicholson FTSE ~ 1990
Professor Ann Nicholson FTSE ~ 2022
Emeritus Professor Donald Nicklin
AO FTSE ~ 1988
Dr Chris Nicol FTSE ~ 2007
Professor Thas Nirmalathas FTSE ~ 2022
Professor Fumio Nishino FTSE ~ 1998
Dr John Nixon AM FTSE ~ 1978

Professor Ian Noble FTSE ~ 1999
Dr David Noon FTSE ~ 2010
Peter North AM FTSE ~ 2003
Sir Gustav Nossal
AC CBE FRS FTSE FAA ~ 1981
Dr John Nutt AM FTSE ~ 1997

O

Dr John Oakeshott FTSE ~ 2006
Professor Brian O'Brien FTSE ~ 1993
Dr John O'Callaghan AM FTSE ~ 1995
Professor John O'Connor FTSE ~ 2009
Dr Elliot O'Driscoll FTSE ~ 1984
Dr Graeme Ogilvie FTSE ~ 1992
Professor Ian O'Hara FTSE ~ 2025
Professor Mary O'Kane AC FTSE ~ 1994
Roger Olds FTSE ~ 2010
Sir Mark Oliphant AC KBE FTSE ~ 1976
Professor June Olley AM FTSE ~ 1976
Lara Olsen FTSE ~ 2023
Anne O'Neill FTSE ~ 2024
Dr Ian Oppermann FTSE ~ 2013
Professor Alison Ord FTSE ~ 2010
Wayne Osborn FTSE ~ 2008
Dr John O'Sullivan FTSE FAA ~ 2012
Professor Robyn Owens AM FTSE FAA ~ 2012
Professor Peter Oxley FTSE ~ 1981

P

Dr Gary Pace FTSE ~ 1990
Emeritus Professor Adrian Page FTSE ~ 2005
Gerald Page-Hanify AM FTSE ~ 1990
Professor Maurice Pagnucco FTSE ~ 2025
Patrick Pak-Poy FTSE ~ 1986
Lawrence Paratz FTSE ~ 2011
Sir Arvi Parbo AC FTSE ~ 1977
Professor Andrew Parfitt FTSE ~ 2021
Dr Cecile Paris FTSE ~ 2016
Professor Christopher Parish
FTSE FAHMS ~ 2011
Professor Robert Park FTSE ~ 2015
Emeritus Professor Lesley Parker
AM FTSE ~ 2005
Dr John Parker FTSE ~ 2006
Dr Rajendra Paroda FTSE ~ 2022
Keith Parry FTSE ~ 1980
Dr John Paterson FTSE ~ 1981
Dr Adi Paterson FTSE ~ 2009
Professor Ranjith Pathegama Gamage
FTSE ~ 2019
Associate Professor Jim Patrick
AO FTSE ~ 2003
Professor Allan Paull FTSE ~ 2011
Dr Jim Peacock AC FRS FTSE FAA ~ 1988
Dr Tony Peacock FTSE FAICD ~ 2017
Dr Sarah Pearce FTSE ~ 2020
Dr Trevor Pearcey FTSE ~ 1980
Professor Graeme Pearman
AM FTSE FAA ~ 2005
Alan Pearson OAM FTSE ~ 1978
Emeritus Professor Colin Pearson
AO MBE FTSE ~ 1995
Professor Sarah Pearson FTSE ~ 2018
Dr Andrew Peele FTSE ~ 2018
Dr Philip Pells FTSE ~ 2000
Gary Pemberton AC FTSE ~ 1993
Dr Terence Percival FTSE ~ 2012
Dr Colin Perrott FTSE ~ 1991
Rayden Perry AO FTSE ~ 1976
Dr Brett Phillips FTSE ~ 2017
Dr Ralph Pickering FTSE ~ 1976
Dr Christopher Pigram AM FTSE ~ 2016
John Pilling FTSE FAICD ~ 2015
Dr Laurence Piper FTSE ~ 2003
Dr John Pitt FTSE ~ 1998
George Pizzey FTSE ~ 2007
Dr Dieter Plate FTSE ~ 1989
Dr Glenn Platt FTSE ~ 2023
Dr Roger Player FTSE ~ 1992
Dr Phillip Playford AM FTSE ~ 1992
Professor Ian Plimer FTSE ~ 1999
Dr Ian Poiner FTSE ~ 2008
Professor Ian Polmear AO FTSE ~ 1978
Dr Susan Pond AM FTSE FAHMS ~ 1996
Professor Peter Poole FTSE ~ 1990
Mick Poole AM FTSE ~ 1999
Dr Simon Poole AO FTSE FAA ~ 2015
Professor Laura Poole-Warren
AM FTSE ~ 2017
Dr John Possingham AM FTSE ~ 1979
Emeritus Professor Owen Potter
AM FTSE ~ 1983
Professor Ian Potter FTSE ~ 1988
Emeritus Professor Renfrey Potts
AO FTSE ~ 1983
Professor Andrew Potts FTSE ~ 2017
Professor Harry Poulos AM FTSE FAA ~ 1996
Lawrie Powell FTSE ~ 1994
Dr Trevor Powell FTSE ~ 2004
Professor Stephen Powles FTSE FAA ~ 1999

Scientia Professor Deo Prasad
AO FTSE ~ 2014

Professor Kerry Pratt FTSE ~ 1995

John Prescott AC FTSE ~ 1995

Doug Price AM FTSE ~ 1979

Dr Donald Pridmore FTSE ~ 1997

Emeritus Professor Rudolf Prince
AO FREng FTSE ~ 1990

Professor Lindsay Pryor FTSE ~ 1975

Dr Alessandra Pucci AO FTSE ~ 1990

Professor Chamindie Punyadeera
FTSE ~ 2023

Ray Purdy FTSE ~ 2004

Q

Professor Shizhang Qiao FTSE FAA ~ 2025

Michael Quigley FTSE ~ 2017

Professor Ron Quinn AM FTSE ~ 2003

Professor Peter Quinn FTSE ~ 2013

R

Dr John Radcliffe AM FTSE ~ 1994

Dr Anthony Radford AO FTSE ~ 2017

Professor Ian Rae FTSE ~ 1995

Emeritus Professor Bernhard Ralph
FTSE ~ 1978

John Ralph AC FTSE FAA ~ 1996

Professor John Ralston AO FTSE FAA ~ 1993

Dr Rama Ramakrishnan FTSE ~ 1995

Dr Tracie Ramsdale FTSE ~ 2011

Dr John Ramshaw AM FTSE ~ 2003

Dr David Rand AM FTSE ~ 1998

Dr Peter Randall FTSE ~ 2003

Professor Mark Randolph
AO FRS FTSE FAA ~ 1993

Lee Ranford FTSE ~ 2000

Dr Bryce Rankine AM FTSE ~ 1976

Dr Judy Raper AM FTSE ~ 2003

Professor John Rasko
AO FTSE FAHMS ~ 2025

Douglas Rathbone FTSE ~ 2006

Dr Deborah Rathjen FTSE ~ 2007

Dr Michael Raupach AO FTSE ~ 2002

Bruce Rawling FTSE ~ 1982

Mark Rayner FTSE ~ 1990

Michael Rayner AM FTSE ~ 2009

Adjunct Professor Craig Rayner
AM FTSE FAHMS ~ 2024

Dr Leanna Read FTSE FAICD ~ 1999

Ken Reed FTSE ~ 2004

Professor Timothy Reeves AM FTSE ~ 2001

Dr Russell Reichelt AO FTSE ~ 2002

Dr Alan Reid AM FTSE FAA ~ 1988

Professor Jim Reid FTSE ~ 2000

Professor Ian Reid FTSE FAA ~ 2016

Alan Reiher FTSE ~ 1984

Christopher Renwick AM FTSE ~ 2004

Professor Eric Reynolds AO FTSE ~ 2008

Professor Karen Reynolds
FTSE FAHMS ~ 2011

Dr Peter Richards AM FTSE ~ 1979

Emeritus Professor John Richards
AM FTSE ~ 1996

Dr Sydney Richards AM FTSE ~ 1996

Dr Richard Richards FTSE FAA ~ 2004

Malcolm Richmond FTSE ~ 2001

Professor Mike Rickard FTSE ~ 1992

Emeritus Professor William Ride
AM FTSE ~ 1984

Dr James Ridsdill-Smith FTSE ~ 2002

Professor Graham Rigby FTSE ~ 1979

Professor Simon Ringer FTSE ~ 2020

Professor Alfred Ringwood FTSE ~ 1991

Dr James Barry Ritchie FTSE ~ 1989

Emeritus Professor Ian Ritchie
AO FTSE FAA ~ 1993

John Rivett AM FTSE ~ 1987

Dr Ezio Rizzardo AC FRS FTSE FAA ~ 1994

Emeritus Professor Alan Roberts
AM FTSE ~ 1989

Dr Chris Roberts AO FTSE ~ 2001

Dr Graeme Robertson FTSE ~ 1999

Dr Philip Robertson FTSE ~ 2008

Dr Michael Robertson FTSE ~ 2021

Emeritus Professor Peter Robinson
AM FTSE ~ 1980

Edward Robinson FTSE ~ 1994

Dr John Robinson AM FTSE ~ 1994

Professor Alan Robson AO FTSE ~ 1987

Professor Jack Roderick FTSE ~ 1977

Professor Eckhard Rohkamm
AO FTSE ~ 1996

Professor Jose Romagnoli FTSE ~ 1999

Professor Bev Ronalds FTSE ~ 2000

Professor Jarlath Ronayne AM FTSE ~ 1995

Dr Nils Goran Arne Roos FTSE ~ 2014

Emeritus Professor Calvin Rose
AM FTSE ~ 1993

Dr Mary Rose FTSE ~ 1993

Dr Louis Rose FTSE ~ 2002

Kirsten Rose FTSE ~ 2022

Professor Federico Rosei FTSE ~ 2025

Professor John Rosenberg
OAM FTSE FAICD ~ 2003

Emeritus Professor Jeffrey Rosenfeld
AC OBE FTSE FAHMS ~ 2016

Dr Reginald Rossiter FTSE ~ 1977

Professor George Rothschild FTSE ~ 1991

William Rourke AO FTSE ~ 1986

Dr Albert Rovira AO FTSE ~ 1986

Lincoln Rowe FTSE ~ 1987

Sir James Rowland AC KBE FTSE ~ 1988

Professor Tibor Rozgonyi FTSE ~ 1995

Emeritus Professor Eric Rudd
AC FTSE ~ 1976

Dr John Russell FTSE ~ 1984

Dr Graeme Russell FTSE ~ 2001

Professor Rupert Rutland AO FTSE ~ 1982

Michael Ryan AM FTSE ~ 1987

Dr Sarah Ryan FTSE ~ 2017

S

Professor Shazia Sadiq FTSE ~ 2020

Brian Sadler PSM FTSE ~ 1997

Professor Veena Sahajwalla
AO FTSE FAA ~ 2007

Professor Alek Samarin FTSE ~ 1988

Dr Leonard Samuels AM FTSE ~ 1981

Edward Sandbach AM FTSE ~ 1980

Barry Sanders OAM FTSE ~ 2000

Dr Ronald Sandland AM FTSE ~ 1995

Professor Vicki Sara AO FTSE FAA ~ 1998

Dr Ian Sare AM FTSE ~ 1997

Dr Michael Sargent AM FTSE ~ 1992

Steve Sargent FTSE ~ 2013

Charlie Sartain FTSE ~ 2012

Edward Saunders FTSE ~ 1987

Dr John Saunders FTSE ~ 1993

Dr Elaine Saunders FTSE ~ 2019

Professor Mark Sceats FTSE ~ 1998

Stan Schaetzel FTSE ~ 1977

Professor Graham Schaffer FTSE ~ 2008

Mark Schapper FTSE ~ 1990

Professor Klaus Schindhelm FTSE ~ 2012

Distinguished Professor Brian Schmidt
AC FRS FTSE FAA ~ 2023

Dr William Schofield AM FTSE ~ 1994

Sir Syd Schubert FTSE ~ 1989

Dr John Schubert AO FTSE ~ 1990

Professor Peter Schwerdtfeger FTSE ~ 1988

Professor Len Sciacca FTSE ~ 2004

Dr William Scott FTSE ~ 1979

Dr Trevor Scott FTSE ~ 1982

Dr Nigel Scott FTSE ~ 2001

Professor Murray Scott FTSE FAICD ~ 2008

Emeritus Professor George Seddon
AM FTSE ~ 1981

Julian Segal FTSE ~ 2008

Professor Frieder Seible FTSE ~ 2015

Harry Seidler FTSE ~ 1979

Benjamin Selinger FTSE ~ 1990

Professor Cordelia Selomulya FTSE ~ 2020

Albert Seyler FTSE ~ 1975

Professor Jason Sharples FTSE ~ 2021

Dr Ray Shaw FTSE ~ 1996

Douglas Shears FTSE ~ 2015

Ian Shedden FTSE ~ 1991

Professor Margaret Sheil
AO FTSE FAA ~ 2009

Dr Bruce Sheldon FTSE ~ 1991

Dr Richard Sheldrake AM FTSE ~ 2010

Professor Yansong Shen FTSE ~ 2025

Distinguished Professor Daichao Sheng
FTSE ~ 2020

Else Shepherd AM FTSE ~ 2000

Dr Andy Sheppard FTSE ~ 2019

Dr Zhengrong Shi FTSE ~ 2009

Professor Peng Shi FTSE ~ 2025

Professor Robert Short FTSE ~ 2013

Professor Kadambot Siddique
AM FTSE ~ 2005

Professor John Simmons AM FTSE ~ 1993

Professor Craig Simmons FTSE FAA ~ 2014

Professor Michelle Simmons
AO FRS FTSE FAA ~ 2015

Emeritus Professor Anne Simmons
AM FTSE ~ 2015

Professor Richard Simpson FTSE ~ 1995

Professor Paul Simshauser AM FTSE ~ 2024

Anne Simson FTSE ~ 2024

Dr Surinder Pal Singh FTSE FAA ~ 2019

David Singleton AM FTSE ~ 2003

Dr Hari Sinha AM FTSE ~ 1986

Professor Murugesu Sivapalan FTSE ~ 2001

Professor Efstratios Skafidas FTSE ~ 2012

Professor David Skellern AO FTSE ~ 2004

Professor John Skerritt AM FTSE ~ 2005

Emeritus Professor Maria Skyllas-Kazacos
AM FTSE ~ 2013

Professor Ralph Slatyer
AO FRS FTSE FAA ~ 1992

Emeritus Professor Marilyn Sleigh
FTSE ~ 1996

Dr Noel John Sligar FTSE FAICD ~ 1994

Professor Scott Sloan
AO FRS FREng FTSE ~ 2000

Dr David Smiles FTSE ~ 1991

Ian Smith FTSE ~ 1990

Dr Ian Smith FTSE ~ 1994

Robert Smith FTSE ~ 1994

Dr Ray Smith FTSE ~ 1997

Emeritus Professor Thomas Smith
AM FTSE ~ 2000

Dr Neville Smith FTSE ~ 2005

Dr Brian Smith FTSE ~ 2010

Emeritus Professor Maree Smith
AC FTSE FAHMS ~ 2011

Dr Erica Smyth AC FTSE FAICD ~ 2012

Professor Allan Snyder FRS FTSE FAA ~ 1987

Dr John Söderbaum FTSE ~ 2010

Professor David Solomon
AC AM FRS FTSE FAA ~ 1976

Sir Henry Somerset CBE FTSE ~ 1975

Dr Brian Sowerby FTSE ~ 1986

Professor German Spangenberg
PSM FTSE ~ 2007

Dr David Sparrow FTSE ~ 1984

Dr Brian Spies FTSE ~ 1998

Ron Spithill OAM FTSE ~ 2007

Dr Reginald Sprigg FTSE ~ 1981

Kylie Sproston FTSE ~ 2021

Graham Spurling AM FTSE ~ 1987

Professor Thomas Spurling AM FTSE ~ 1992

Professor Tam Sridhar AO FTSE FAA ~ 1995

Professor Raymond Stalker
AO FTSE FAA ~ 1989

Walter Stamm AM FTSE ~ 1985

Emeritus Professor Robin Stanton
FTSE ~ 1998

Ted Stapinski FTSE ~ 1995

Professor Fiona Stapleton AO FTSE ~ 2018

Dr Jennifer Stauber FTSE FAA ~ 2015

Dr Raymond Steedman FTSE ~ 1985

Dr John Steele FTSE ~ 2022

Dr Lorraine Stephenson FTSE ~ 2014

Lionel Stern FTSE ~ 1975

Emeritus Professor Grant Steven
FTSE ~ 1999

Emeritus Professor Leonard Stevens
AM FTSE ~ 1984

Emeritus Professor Geoffrey Stevens
AO FTSE ~ 2003

Dr David Stewart FTSE ~ 1983

David Stewart FTSE ~ 2010

David Stewart FTSE ~ 2015

Distinguished Professor Mark Stewart
FTSE ~ 2020

Dr Penny Stewart FTSE ~ 2023

Professor Cori Stewart FTSE ~ 2025

Dr John Stocker AO FTSE ~ 1990

Professor Bruce Stone AM FTSE ~ 1998

Dr David Strangway FTSE ~ 2003

Peter Strasser FTSE ~ 1986

John Strath AM FTSE ~ 1979

Professor Salah Sukkarieh FTSE ~ 2015

Professor Colin Sullivan FTSE ~ 2000

Dr Keith Sutherland FTSE ~ 1975

Professor John Swan AO FTSE FAA ~ 1994

Dr Peter Sweatman FTSE ~ 1997

Professor Roger Swift FTSE ~ 1999

Dr Ziggy Switkowski AO FTSE FAA ~ 2007

Dr Kimberley Swords FTSE ~ 2025

T

Professor Vivian Tam FTSE ~ 2023

Professor Ying Tan FTSE ~ 2025

Emeritus Professor Wenhua Tang
FTSE ~ 2006

Catherine Tanna FTSE ~ 2013

Professor Roger Tanner FRS FTSE FAA ~ 1976

David Tanner FTSE ~ 2005

Professor David Taubman FTSE ~ 2023

Dr Geoffrey Taylor FTSE ~ 1979

Donald Taylor FTSE ~ 1979

Dr Reginald Taylor FTSE ~ 1989

Michael Taylor AO FTSE ~ 2007

Emeritus Professor Elizabeth Taylor
AO FTSE ~ 2015

Adjunct Professor William Tegart
AM FTSE ~ 1976

Mr Guy Templeton FTSE FAICD ~ 2024

Professor Jan Tennent FTSE ~ 2019

Dr Kelly Thambimuthu FTSE ~ 2007

Professor San Thang AC FTSE FAA ~ 2010

David Thodey AO FTSE ~ 2013

David Thom FTSE ~ 2001

Emeritus Professor Bruce Thom
AM FTSE ~ 2002

Gordon Thomas FTSE ~ 1988

Martin Thomas AM FTSE ~ 1991

Emeritus Professor Doreen Thomas
AM FTSE ~ 2012

Dr Andrew Thomas AO FTSE ~ 2019

Suzanne Thompson FTSE ~ 2025

Dr Norman Thomson AM FTSE ~ 1988

Dr Grant Thorne FTSE ~ 2008

Professor Barry Thornton AM FTSE ~ 1994

Graham Thorp FTSE ~ 1985

Dr James Tickner FTSE ~ 2024

Professor Anh Tieu FTSE ~ 2007

Professor Michael Tobar FTSE FAA ~ 2008

Adjunct Professor Alison Todd AM FTSE ~ 2015

Dr Mark Toner AM FTSE ~ 2004

John Toomey FTSE ~ 1996

Dr David Topping FTSE ~ 2002

Professor Jose Luis Torero Cullen FREng FTSE ~ 2014

Dr Vanessa Torres FTSE ~ 2020

Michael Tracey AO FTSE ~ 1976

Professor Ronald Trent FTSE ~ 2011

Professor Derek Tribe AO FTSE ~ 1975

Professor David Trimm AM FTSE ~ 1992

Professor David Trollope AO FTSE ~ 1983

Professor Alan Trounson AO FTSE FAHMS ~ 2014

Professor Thorsten Trupke FTSE ~ 2016

Professor Ernie Tuck FTSE FAA ~ 1995

Dr Gilbert Tucker FTSE ~ 1989

Professor Rodney Tucker OAM FTSE FAA ~ 1993

Emeritus Professor Norman Tulloh AM FTSE ~ 1981

Gregory Tunny FTSE ~ 2008

Professor Neil Turner AM FTSE ~ 1992

Dr Terry Turney FTSE ~ 2002

Dr Mark Tweeddale FTSE ~ 1995

Dr Ian Tyler FTSE ~ 2016

Sir Bill Tyree OBE FTSE ~ 1988

Dr Peter Tyree AM FTSE ~ 2005

Hamish Tyrwhitt FTSE ~ 2012

U

Emeritus Professor Eric Underwood AO CBE FTSE ~ 1975

Professor Brian Uy FTSE ~ 2022

V

Professor Anton van den Hengel FTSE ~ 2020

Dr Edwin van Leeuwen FTSE ~ 2000

Dr Eric Vance FTSE ~ 2003

Eric Vanweydeveld FTSE ~ 2025

Dr Geoffrey Vaughan AO FTSE ~ 2005

Professor Svetha Venkatesh FTSE FAA ~ 2006

Dr John Vercoe AM FTSE ~ 1987

Dr Meera Verma FTSE ~ 2009

Sir James Vernon FTSE ~ 1975

Professor Cornelia Verspoor FTSE ~ 2024

Professor Robert Vertessy FTSE ~ 2013

Dr James Vickery OBE FTSE ~ 1975

Emeritus Professor James Vincent FTSE ~ 1976

Roger Vines FTSE ~ 1997

Professor Nicolas Voelcker FTSE ~ 2019

Don Voelte FTSE ~ 2008

Christopher Vonwiller AM FTSE ~ 2007

Professor Keeva Vozoff FTSE ~ 1982

Professor Branka Vucetic FTSE ~ 2015

W

Dr Denis Wade AM FTSE ~ 2002

Professor Mark Wahlqvist AO FTSE ~ 2002

Dr Henry Wain FTSE ~ 1984

Emeritus Professor Mark Wainwright AM FTSE ~ 1992

Dr David Walker AM FTSE ~ 1987

Dr Brian Walker AO FTSE FAA ~ 1991

Dr Bruce Walker AM FTSE ~ 2008

Professor Terry Wall AM FTSE ~ 2002

Professor Gordon Wallace AO FTSE FAA ~ 2003

Professor Charles Wallington OAM FTSE ~ 1984

Gordon Wallis FTSE ~ 1977

Gordon Walls FTSE ~ 1976

Sir Alan Walsh FTSE ~ 1982

Dr Leonie Walsh FTSE ~ 2012

Dr Sam Walsh AO FTSE ~ 2012

Scientia Professor Toby Walsh FTSE FAA ~ 2024

Dr Linfa Wang FTSE FAA ~ 2010

Professor Chun Wang FTSE ~ 2018

Professor Chien Ming Wang FTSE ~ 2019

Professor Huanting Wang FTSE ~ 2019

Professor Lianzhou Wang FTSE FAA ~ 2024

Professor Hongxia Wang FTSE ~ 2025

Distinguished Professor Guoxiu Wang FTSE FAA ~ 2025

Dr Robert Ward FTSE ~ 1976

Melvyn Ward AO FTSE ~ 1986

Dr Colin Ward FTSE ~ 1998

Sir Ian Wark CBE FTSE ~ 1975

Dr Charles Warman AM FTSE ~ 1983

Emeritus Professor Robert Warner FTSE ~ 1998

Eric Warrell FTSE ~ 1975

Dr Douglas Waterhouse AO FTSE ~ 1998

Warwick Watkins FTSE ~ 2010

Irvine Watson FTSE ~ 1975

Sir Bruce Watson AC FTSE ~ 1986

Peter Watson FTSE ~ 2005

Dr Keith Watson FTSE ~ 2007

Professor Phillip Watson FTSE ~ 2018

John Watt AM FTSE ~ 1977

Professor Donald Watts AM FTSE ~ 1986

Dr Robert Watts FTSE FAA ~ 2003

Bruce Webb AM FTSE ~ 1991

Ian Webber FTSE ~ 1991

Kenneth Webster AM FTSE ~ 1991

Clive Weeks AO FTSE ~ 2008

Dr Leonard Weickhardt FTSE ~ 1975

Phil Weickhardt FTSE ~ 1994

Professor Erich Weigold AM FTSE FAA ~ 1996

Dr Donald Weiss OBE FTSE ~ 1975

Professor Anthony Weiss AM FTSE FAA FAHMS ~ 2014

Professor Stuart Wenham FTSE ~ 1999

Kathryn West FTSE ~ 2025

Professor Johanna Westbrook FTSE ~ 2018

Professor Neil Weste FTSE ~ 2006

Mr Daniel Westerman FTSE ~ 2023

Dr Ronald Wharton OBE FTSE ~ 1982

Dr Robert White FTSE ~ 1995

Dr John White FTSE ~ 1995

Emeritus Professor Ian White FTSE ~ 1999

Professor David White FREng FTSE ~ 2015

Richard White FTSE ~ 2022

Maxwell Whitten FTSE ~ 1983

Dr William Whitton FTSE ~ 1976

Emeritus Professor Judith Whitworth AC FTSE ~ 2008

Professor Allan Wightley FTSE ~ 2005

Professor Glenn Wightwick FTSE ~ 2012

Dr John Wild FTSE ~ 1977

Bill Wild FTSE ~ 2008

Professor Andrew Wilks FTSE FAA FAHMS ~ 2007

Dr Neil Willetts FTSE ~ 1991

Professor Juliet Willetts FTSE ~ 2025

Dr Lloyd Williams FTSE ~ 1979

Courtney Williams AM FTSE ~ 1984

Dr Donald Williams AO FTSE ~ 1991

Professor Jim Williams AM FTSE FAA ~ 1992

Dr Meryl Williams FTSE ~ 1993

Professor Neil Williams PSM FTSE ~ 1996

Dr Keith Williams AM FTSE ~ 2004

Emeritus Professor Ian Williams FTSE ~ 2007

Professor Richard Williams OBE FREng FTSE ~ 2008

Dr John Williams FTSE ~ 2011

Professor Mary-Anne Williams FTSE ~ 2015

Dr Hugh Williams FTSE ~ 2021

Professor Trish Williams FTSE ~ 2021

Sally-Ann Williams FTSE ~ 2023

Professor Ian Williamson AM FTSE ~ 1998

Skipp Williamson FTSE ~ 2017

Howard Wills OBE FTSE ~ 1975

Emeritus Professor Ron Wills FTSE ~ 1994

Dr Alan Wilson FTSE ~ 1975

Professor Brian Wilson AO FTSE ~ 1990

Frederick Wiltshire CBE FTSE ~ 1975

Philip Windsor AC GBE FTSE ~ 1977

Denis Winston FTSE ~ 1975

Sir Greg Winter CBE FRS FTSE ~ 2002

Professor Eric Wolanski FTSE ~ 1999

Professor Tony Wong FTSE ~ 2014

Dr Alex Wonhas FTSE ~ 2016

Professor Eric Wood FTSE ~ 2010

Professor Paul Wood AO FTSE ~ 2015

Anthony Wood AM FTSE ~ 2019

Dr Roy Woodall AO FTSE FAA ~ 1977

Dr Graeme Woodrow FTSE ~ 2007

Macdonell Woods FTSE ~ 1975

Dr Elizabeth Woods OAM FTSE ~ 2014

Dr Katherine Woodthorpe AO FTSE FAICD ~ 2015

Professor Harold Woolhouse FTSE ~ 1994

Kenneth Woolley AM FTSE ~ 2000

Professor Howard Worner CBE FTSE ~ 1975

Emeritus Professor Hill Worner FTSE ~ 1978

Harry Wragge AM FTSE ~ 1987

Dr John Wright AM FTSE ~ 2002

X

Professor Xinhua Wu FTSE ~ 2014

Dr Dong Yang Wu FTSE ~ 2018

Dr William Wulf FTSE ~ 2005

Dr Jennifer Wythes FTSE ~ 1997

Professor Yi-Min Xie AM FTSE ~ 2011

Dr Zongli Xie FTSE ~ 2024

Professor Kuangdi Xu FTSE ~ 2008

Professor Vo-Tong Xuan FTSE ~ 2006

Y

Distinguished Professor Irene Yarovsky FTSE ~ 2021

Peter Yates AM FTSE ~ 2017

Professor Lin Ye FTSE ~ 2005

Dr John Yeaman AM FTSE ~ 2003

Professor Yuthavong Yongyuth FTSE ~ 1997

Merryn York AM FTSE ~ 2022

Professor David Young FTSE ~ 1993

Professor Ian Young AO FTSE ~ 2001

Professor Graeme Young AM FTSE FAHMS ~ 2008

Professor Aibing Yu FTSE FAA ~ 2004

Professor Zhiguo Yuan AM FTSE ~ 2015

Zoe Yujnovich FTSE ~ 2019

Professor Jimmy Yun FTSE ~ 2014

Z

Gary Zamel FTSE ~ 2008

Sir David Zeidler AC CBE FTSE ~ 1975

Professor Alex Zelinsky AO FTSE FAA ~ 2002

Dongke Zhang FTSE ~ 2004

Professor Liangchi Zhang FTSE ~ 2006

Dr Ya-Qin Zhang FTSE ~ 2017

Professor Wei Zhang FTSE ~ 2022

Professor Xiwang Zhang FTSE ~ 2024

Professor Yixia (Sarah) Zhang FTSE ~ 2024

Professor Xiao Lin Zhao FTSE ~ 2021

Professor Huijun Zhao FTSE FAA ~ 2022

Professor Chuan Zhao FTSE ~ 2024

Professor Ji Zhou FREng FTSE ~ 2011

Professor Yan Zhuge FTSE ~ 2024

Dr John Zillman AO FTSE FAA ~ 1980

Professor Paul Zimmet AO FTSE ~ 2005

Professor Hala Zreiqat AM FTSE FAA FAHMS ~ 2020

Dr Paul Zulli FTSE ~ 2010

Professor Willy Zwaenepoel FTSE FAA ~ 2020

Since 1975,
1480 Fellows
have been
elected to the
Academy.

The Academy in pictures



The inaugural dinner of the Academy in Melbourne 24 February 1976. Left to right: Lady McLennan, Lady Oliphant, Sir Mark Oliphant, Sir Ian McLennan, The Hon RJ Hamer, Mrs GM Badger and Dr K T H Farrer.



The Academy's first delegation to China in the late 1970s.



The Academy's 30th Anniversary Celebration, 20 November 2005. Dr John Zillman AO FTSE, President 2003-2006. Tim Besley AC FTSE, President 1999-2002. Sir Arvi Parbo AC FTSE, President 1995-1997. Sir John Holland AC FTSE Foundation Honorary Treasurer. Bob Ward FTSE, Foundation Fellow. Dr Keith Farren OBE FTSE, Foundation Vice-President. Dr John Christian AO FTSE, Foundation Fellow. Sir Rupert Myers KBE AO FTSE, President 1989-94. Professor David Solomon AM FTSE, Foundation Fellow.



Miss Beryl Jacka and Mrs Joy Dudine in Miss Jacka's new office in Ian McLennan House in 1989.



National Academies Forum Workshop 'After the Tsunami' Canberra 31 March 2005. Left to right: Professor Karl Lambeck (Australian Academy of Science), The Hon Bruce Billson MP (Parliamentary Secretary, Foreign Affairs and Trade), The Hon Tim Fischer AC FTSE (Chairman, ATSE Crawford Fund) and Dr John Zillman AO FTSE (President, ATSE).



2005 Clunies Ross Award winners and others with Victorian Treasurer The Hon John Brumby.



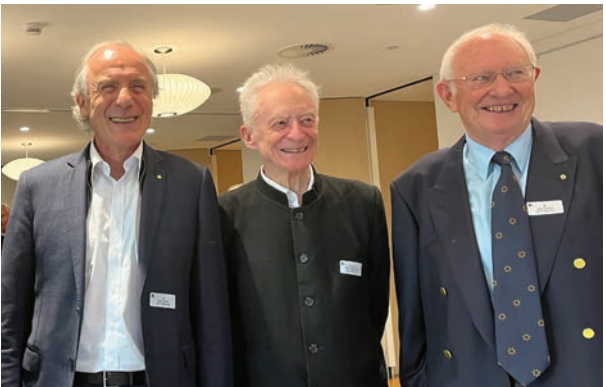
Dr Margaret Hartley FTSE, ATSE CEO 2006-2019; Professor Hugh Bradlow FTSE, ATSE President 2016-2022; Kylie Walker ATSE CEO 2020-present.



ATSE staff and Fellows visit Seoul in 2018.



New ATSE Fellows photographed at the National Portrait Gallery in Canberra in October 2023.



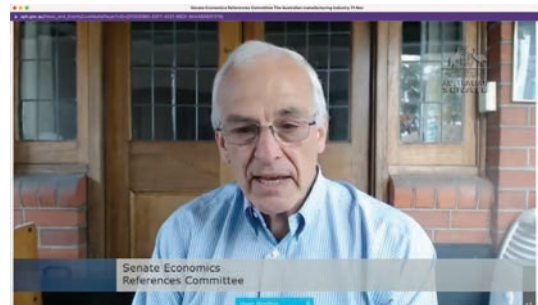
Former ATSE Presidents in November 2023. Dr Alan Finkel AC FTSE FAA; Professor Robin Batterham AO FTSE FREng FAA; Dr John Zillman AO FTSE FAA.



ATSE Awards 2024 winners left to right: Professor Andrew Blakers FTSE FAA – Winner of the Clunies Ross Technology Innovation Award
Fiona Walsh with Carol and Emilesia Williams on behalf of Kanyirrinpa Jukurpa – Joint winners of the Traditional Knowledge Innovation Award
Brendan Hung – Winner of the Ezio Rizzardo Polymer Scholarship
Professor Lyn Beazley AO FTSE FAA – Winner of the ATSE President's Medal
Professor Sara Couperthwaite – Winner of the David and Valerie Solomon Award
Dr Vivien Rolland – Winner of the ICM Agrifood Award for Excellence in Agrifood
Dr Kristy DiGiacomo – Winner of the ICM Agrifood Award for Excellence in Agrifood
Dr Scott Menegon – Winner of the Batterham Medal for Engineering Excellence



Top left: HRH Prince Phillip, at an Academy function in 1981. Above left: Academy Fellows, guests and professional staff at Awards dinners and Fellow inductions in the 1990s and early 2000s. Above right: Over the years, ATSE has hosted and travelled to meet international delegations from partner Academies across the Asia-Pacific and the world. Right: Professor Hugh Bradlow FTSE giving evidence at the Senate References Committee 2021.



A briefing on Artificial Intelligence for the Parliamentary Friends of Science, presented by ATSE Fellows in 2023.



Presenting to the House Standing Committee on Regional Development, Infrastructure and Transport in 2023.



Launching ATSE's Net Zero Position Statement in Parliament House.



Announcing the recipients of the Global Science and Technology Diplomacy Fund - Strategic Element with Minister for Science Ed Husic and international project partners in Singapore in 2024.



Briefing Members of Parliament and Senators about nuclear Small Modular Reactors technology in 2024.



Releasing a major report on the decarbonisation of diesel use in heavy industries alongside Fortescue Board Chair and Fellow Larry Marshall in 2025.

Helping shape national tech and science policy

1977
ATSE publishes its first official report: *Energy 1977 – Australia*.

2009
Future-proofing Australia – Rising to the Challenge of Climate Change hits the shelves and is in the hands of policy makers.

2020
Towards a waste-free future provides a comprehensive roadmap for building Australia’s tech-forward circular economy.

The strength of ATSE’s Fellowship lies in the vast store of knowledge and expertise – and the community-minded spirit – that has become a nationally significant knowledge factory of our own making.

Our cumulative work as an independent and trusted voice to government over the past 50 years has guided generations of policy and decision-makers. No mean feat. And it continues to be a work in progress as the policy framework rapidly shifts.

Today, ATSE boasts an impressive library of robust and evidence-based reports, a rich resource covering topics from energy and water to technology, infrastructure, agriculture, industry and education, helping shape the policy landscape both federally and at a state level.

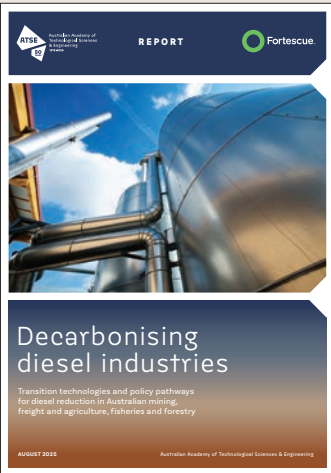
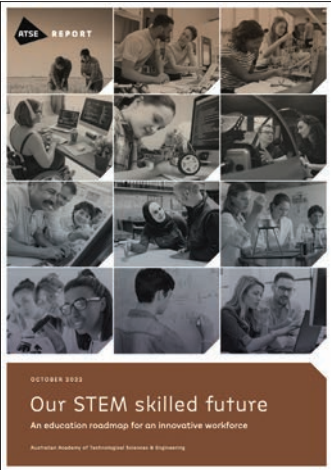
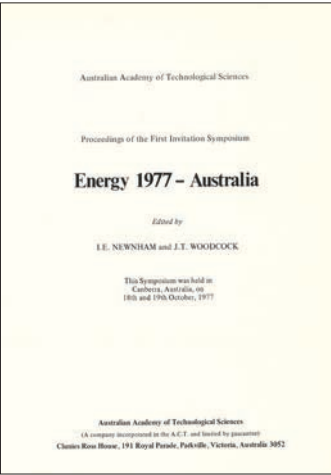
As the Academy whose focus is the application of science, technology and engineering, our policy advice has always been practical, and has adapted to remain relevant and applicable 50 years on. Given that the pool of potential advice sources has grown and decision-makers have limited capacity to undertake in-depth analysis on the variety of challenges facing them, ATSE is proud that it is still sought out to provide targeted, concise, actionable and above all, accessible advice to decision-makers at a time when it is needed most.

A snapshot of ATSE publications over the years exemplifies the growing body of work ATSE has delivered to inform decision-makers. While the nature of the advice has evolved, some of the same issues keep returning. In the past 50 years, the core element remains: our advice remains based on the best-available evidence.

For each of ATSE’s three current policy priorities: mitigating and addressing climate change; enhancing research collaboration, translation and commercialisation; and inspiring and educating young people in STEM – the Academy has produced overviews of the leading advice highlighting actions for governments and industry.

- Our STEM-skilled future
- Boosting Australia’s innovation: Practical steps for boosting Australia’s innovation ecosystem
- Becoming a Net Zero nation, further informed by Decarbonising diesel industries and Power to the people.

MORE
ATSE publications
atse.org.au/what-we-do/strategic-advice/



Strategic advice

A very small selection of ATSE publications from hundreds over our 50 years.



Memories from Fellows



Dr John Zillman

AO FTSE FAA

As ATS Assistant Hon Sec in the early 1980s, I was called on occasionally to fill in for the Hon Sec, John Nixon, in recording the minutes of Council and Executive meetings. One day, when I was called for that role at short notice, I had to explain to the President, Sir Ian McLennan, that I was babysitting my four-year-old daughter for the day. Sir Ian was a tough and demanding operator but he also had a soft spot. He said 'No problems, bring her along' and I have very fond memories of my daughter Leanne kneeling quietly on the floor beside Sir Ian at the head of the table while I took the notes of the meeting. ▲



Dr Carrie Hillyard

AM FTSE FAICD

I was elected in 1997, when there were very few female Fellows and I was a lot younger than almost everyone. I had strong support from Peter Andrews and Don Nicklin from the Queensland Division, who knew the work I had been doing in the biotech industry and as a member of boards advising Commonwealth and State governments on growing a biotech industry as well as establishing venture capital in Australia.

It was very funny at the formal dinner at Randwick Racecourse where I received my certificate. There were 36 new Fellows that year and only 2 of us were female. The President at the time was Sir Arvi Parvo and many of the Fellows were senior business leaders. The people on my table kept asking me what my husband did and I couldn't work out why, as it didn't seem relevant to me. When my name was called, their chins dropped! I think Don and Peter thought this was highly amusing.



Dr Therese Flapper

FTSE

My favorite memory of ATSE Fellowship was bringing my mother to my welcome dinner and reception, and it was her birthday and she didn't know I was becoming a Fellow. So that was completely special. On a more serious note, the other most special moment was delivering the webinars and package of essays for the *A thriving Murray Darling Basin in 50 years* project, and the impact and influence that has driven.

So we've had 50 years of ATSE. I can see the huge changes that have occurred in the last five years in terms of diversity and all sorts of policy positions and the impact and influence that it's having. What can we do to accelerate that in the next 10 and 50 years from now? What will the Fellows 50 years from now be saying about us? ▲



Emeritus Professor Lindsay Falvey

FTSE

I offer three moments I am particularly proud of:

- the awarding of the AgriFood Award to outstanding young female and male researchers (and potential future Fellows) over the past 8 years;
- a joint ATSE and AAS deliberation in agriculture in Australia, and other Joint Academies' studies and advisory actions;
- and personally, when at a relatively tender age, I was elected a Fellow in 1997, and, soon after, learning from peers as a member of the Victorian Committee. ▲



Dr Joanne Daly

PSM FTSE

ATSE reaching its 50th anniversary is very exciting actually. And it may be a reflection on my own life because 50 years ago I started at the ANU in a PhD, and so it only seems like yesterday, but I think ATSE's really changed over that time. You know, originally it was a men's club in a way, a club of very senior and capable men.

And I think in more recent years it's tried to represent a greater diversity of Australians in science and technology. And I think it's doing a really good job of doing that. ▲



Dr Liz Dennis

AC FTSE FAA

I think one of the very good things that ATSE did and I was a bit involved in was the agricultural subgroup that Snow Barlow led. I think that was a very successful bringing together of a subgroup of ATSE to discuss agricultural futures and problems.

I think it's great that ATSE got to 50 years. I think that we actually seem to be more outcomes focused, determined to provide good advice and to achieve practical goals. I feel ATSE makes a very good complement to the Academy of Science in that it is for industry and bringing together industry with academics with some sort of purpose. ▲



Emeritus Professor Doreen Thomas
AM FTSE

I really think the Academy has made a difference to people aspiring to a career in STEM, but I do believe that we've also made a great difference to government policy. Our expert advice is taken up and used. My favorite time as a Fellow was one of my really earliest memories in the Academy. As a new Fellow, we were invited to dinner with other Fellows of the Academy – we were sort of presented and we had to make a presentation about the work that we'd done through our careers and our contribution to applied science or technology. And I met many Fellows at that meeting who I've been friends with and collegiate with over the years since 2012.

I feel that the Fellows themselves get so much out of being Fellows. I've generally found when I've asked somebody to assist in something or to make a contribution that they always say yes. They are very busy people, and I'm glad that there are some younger Fellows coming in as well as some of our Fellows who've been Fellows over the last 50 years. I'm sure that those who've been here for a long time are just as valued and contributed a lot over the years. ▲



Emeritus Professor Annabelle Duncan
PSM FTSE

It's the camaraderie that comes from being a Fellow. You gain another family through ATSE. Because of the discipline mix, the fact that there's industry, university and government people there, there are a lot of really, really lovely Fellows, and it's really nice to be part of that family and to be welcomed by them. So I think it's the interactions between people that are some of the best memories that I have. And to see some of the things that we've done starting to enter into public discourse, seeing some of those ideas being picked up and incorporated into that public discussion, gives you a bit of a buzz as well.

Most of us technologists, we see the application of our science. We see where we can make that contribution. And I think that's why we are so well placed to make those contributions and to be listened to by politicians. I think that ATSE's got a very valuable role to play in education and informing public debate. ▲



Dr David Cook
AO FTSE

The thing that I think needs to be recognised is the work that the membership committee has done – because it involves many meetings, it involves reading nominations and these Fellows I think are our unsung heroes of the process. Since the new process started in 2015 with the expanded committee, probably 250, closer to 300 Fellows have been involved with the membership process. It is a key plank of Fellowship engagement that I am proud of.

The Fellowship to me was extremely important because I think in some cases, in terms of your career, you can become isolated technically. I think the Academy, for me over the course of my career, which has been quite eclectic, has always provided me with an environment where I could engage with my peers, with people in other disciplines. And I think it's something that over the years, and particularly since I retired, and up until quite recently, it enabled me to become quite engaged in what was relevant in terms of science and technology in Australia.

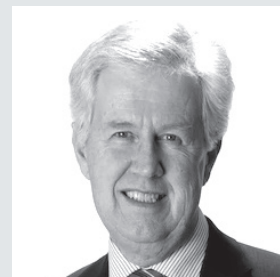
The fellowship has been extremely valuable to me. I value my cohort, my friends, as many of them have become, and we all share a common view of advancing at STEM. ▲



Dr TJ Higgins
AO FTSE FAA

My favorite experiences of being a fellow in the Academy are spending social time with other Fellows, Fellows who have a very different background to me. We would meet once a month to talk about our various areas of science. This was absolutely fascinating for me and one of my favorite things about ATSE.

The Academy has made a huge contribution to science in Australia, science translation, commercialisation, advice to governments, and I see this as being very important. ▲



Dr John Bell
FTSE

I'm generally proud of what ATSE has achieved over the years, but when I focus on perhaps one or two particular achievements, I think ATSE's involvement in the Securing Australia's Future project was perhaps one of the highlights. ATSE led two of the major reports, one was looking at the influence of technology on productivity, and the other one was looking at the translation of research into economic outcomes and looked at policies and practices in different countries and how it's done.

I think that ATSE's objectives are very much on the rest of the world at the moment in terms of the importance of technology to economic growth, and ATSE is the right place to help make sure that that happens in Australia. ▲



ATSE's global impact reaching beyond Australia

It's 1978 and a group of academies spanning the globe have a spark of an idea to form a global body, to exchange ideas, examine global challenges and opportunities, and work together to support a tech-savvy, evidence-informed and connected world. Australia is amongst that group.



ALONGSIDE THE ENGINEERING Academies of the United Kingdom, United States, Mexico and Sweden, ATSE was one of the founding members of the International Council of Academies of Engineering and Technological Sciences (CAETS) in 1978. Attending the first International Convocation of Academies of Engineering and Similar Institutions in Washington, D.C., ATSE joined a working party to identify areas of future cooperation. As a result, ATSE hosted the second Convocation at Clunies Ross House in Melbourne in 1980, with attendees from seven international Academies.

Since then, ATSE has hosted the annual CAETS gathering three times – in 1988, 2005 and most recently this year.

Between 2005 and 2010, ATSE's International Relations Committee – now known as the International Strategy Group (ISG) – oversaw an annual budget of around A\$1 million dedicated to advancing Australia's science and technology connections globally. This funding was drawn in equal parts from government grants (largely from what is today's Department of Industry, Science and Resources) and from Fellows' cash and in-kind contributions. It supported two core streams of international activity: missions and visits, and grants.

What stands out from that era of cooperation is the sense of collective ownership in shaping Australia's international engagement. ATSE ran an open

and competitive two-stage bid process within its set technology and country priorities. From there, priority themes and partner countries emerged. Fellows and the wider science and technology community could put forward their ideas, which were then peer-reviewed by Fellows against a set of criteria. We were building a sustainable model of engagement that has endured.

Now in 2025, ATSE, in collaboration with Australian Academy of Science, is administering the Global Science and Technology Diplomacy Fund – Strategic Element (GSTDF-SE) on behalf of DISR. The GSTDF-SE has generated strong interest among Australian researchers with partners across the Asia-Pacific. Grants of between A\$100,000 and A\$1,000,000 are provided to support bilateral and multilateral collaborations aligning with government-defined priority themes and working with at least one priority partner country.

A notable shift is that earlier approaches were more community-driven and diverse in their inputs, while today's model consolidates initiatives under a government-defined framework. Both approaches carry strengths: the current system delivers clarity, scale and closer alignment with national strategic priorities, while the earlier one was more directly grounded in the insights of the sector. A standout feature of the 2005 model was the reserve of funds for tactical activities, which enabled ATSE to respond flexibly to new international opportunities. ▲



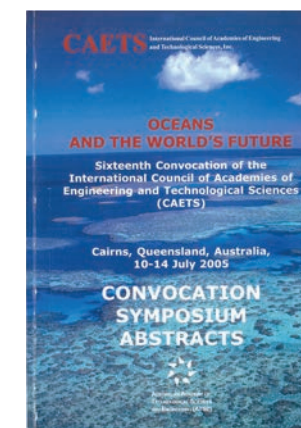
Professor Tsu-Jae King Liu, President of the National Academy of Engineering of the United States (left), with ATSE President Dr Katherine Woodthorpe at the CAETS 2025: Generations symposium.

"It was a special moment to be CAETS President on behalf of ATSE this year – providing a space for our international CAETS Academy peers and many others – to discuss a sustainable future for generations to come. It was a real moment for us as an organisation to showcase what we are capable of as a collective and as Australia's leading tech academy. We have come a long way with our international friends since that first meeting in the late seventies."

– Dr Katherine Woodthorpe AO FTSE FAICD



Left to right: Dr Katherine Woodthorpe, European Union Ambassador to Australia Gabriele Visentin, Minister for Industry and Innovation and Minister for Science Senator the Hon Tim Ayres, and ATSE CEO Kylie Walker.



Above and left: Program materials from past CAETS conferences, including the symposium details for the 2005 Convocation in Cairns.



Above, middle row and top row: CAETS 2025: Generations held at the Sofitel Brisbane, Queensland, Australia.

ATSE AWARDS

Traditional Knowledge
Innovation Award



The ATSE Traditional Knowledge Innovation Award features 'Knowledge systems and holders' by Lynnice Letty Church (Ngunnawal, Wiradjuri and Kamilaroi ACT and surrounding region / NSW), with weaving by Kristal Matthews, Wilay Designs.



In 2023, John Watson, a Nyikina Mangala man from the Kimberley was awarded alongside ATSE Fellow Professor Ron Quinn FTSE for their partnership investigating the pain-relief properties of the bark of the Mudjala tree.



In 2024, the Kanyirninpa Jukurrpa community organisation of Martu people of the Pilbara received the award with Dr Fiona Scott for their decades-long relationship answering a major question about the ecology of the Australian deserts.



Knowledge systems and holders by Lynnice Letty Church, Ngunnawal, Wiradjuri and Kamilaroi ACT and surrounding region / NSW. This artwork was commissioned for ATSE's Reflect Reconciliation Action Plan. Our reconciliation journey is ongoing.

Our reconciliation
journey

In 2022, ATSE inaugurated its first Reconciliation Action Plan. Our Aboriginal and Torres Strait Islander Fellows bring with them both applied science and engineering expertise, sector leadership, and a legacy of cultural and traditional knowledge across sectors.

THE TIMELESSNESS AND complexity of Traditional Knowledges is something that ATSE, as allies in reconciliation, is learning from and listening to.

Also in 2022, we established the ATSE Traditional Knowledge Innovation Award. This is a first for a technology academy. The Prime Minister's Prize for Aboriginal and Torres Strait Islander Knowledge Systems is established soon after. ATSE's impact is seen in action.

In 2023, John Watson, a Nyikina Mangala man from the Kimberley was awarded alongside ATSE Fellow Professor Ron Quinn FTSE for their partnership investigating the pain-relief properties of the bark of the Mudjala tree — which John had put into good use when the tip of his finger was bitten off by a crocodile!

In 2024, the Kanyirninpa Jukurrpa community organisation of Martu people of the Pilbara received the award with Dr Fiona Scott for their decades-long relationship answering a major question about the ecology of the Australian deserts, and for showing how much deep climate, landscape, ecosystem and social knowledge is contained within Aboriginal and Torres Strait Islander knowledge systems.

Our policy work continues to include and acknowledge the perspectives of Aboriginal and Torres Strait Islander STEM professionals. In 2024-2025, our submission recommendations supported:

- strong intellectual property protections to support ethical engagement with and application of Traditional Knowledges
- respectful and strengthened collaboration with Traditional Knowledge holders, including on national water reforms,
- embedding data sovereignty and sharing into national research infrastructure management, and
- improving digital inclusivity for Aboriginal and Torres Strait Islander communities

ATSE advocates for support to diversity and inclusion programs in STEM that include Aboriginal and Torres Strait Islander peoples, and for the full implementation of and funding the recommendations of the Australian Universities Accord and the Diversity in STEM review.

In 2025 we brought our approach to the global stage at CAETS 2025: Generations symposium. This was an opportunity to converge the role of Traditional Knowledge and Aboriginal and Torres Strait Islander voices on the global science, technology and engineering stage. This was driven by deep collaboration with Indigenous artists, technologists, educators and Elders. ▶



Sid Domic (left) talking about his painting, and Mikaela Jade FTSE (right) our emcee for CAETS 2025: Generations in Brisbane September 2025

Pathways back to industry

By Adam Huttner-Koros
ATSE Campaigns Manager

University graduates often complete science and mathematics degrees with a lot of knowledge but no clear sense of where to take it.

ACADEMIC OPTIONS ARE obvious. The signs all point that way. Yet universities can be fickle places to work. Research positions are hard to come by, and postdoctoral postings can make for insecure and unpredictable employment. A different opportunity lies in the world of industry.

In 2015, some leaders in Australian biotechnology conceived of a program to pull back the curtain on the careers available in industry for STEM graduates. Starting in their biotech sector and rapidly expanding to engineering and dozens of other disciplines, they worked with ATSE staff to create the Industry Mentoring Network in STEM (IMNIS), connecting practicing professionals in STEM businesses as mentors to early career researchers and graduates, and thereby fostering a culture of collaboration between industry and academia. Ten years in, more than 2500 mentor-mentee pairs have created a pipeline of talent bringing their skills to exciting and innovative businesses – businesses solving complex problems in drug design, sustainability, engineering, food systems and more.

The founders of the program asked themselves at the very start, “What would it mean for Australian STEM for there to be hundreds of mentoring pairs every year, opening doors and showing pathways to invigorating careers outside the standard academic mould?” In the short term, mentees regularly share stories of the change IMNIS has made to their individual careers. And ten years in with more than 300 mentoring pairs and dozens of universities supporting their students and graduates to take part every year, the program’s long-term impact is coming into focus too.

Professor Paul Wood AO FTSE was one of the founders and an original mentor in the program. His pride in IMNIS is evident. On top of an extensive career in vaccine development, medical technology and agricultural innovation, this program is an ongoing success story he has helped bring to the STEM sector in Australia. It has built careers, enabled global impact and changed lives. His contributions were recognised with the Eureka Prize for Outstanding Mentor of Young Researchers in 2022. In his words, “Mentors make it

special. The magic has been scaling it to a bigger program, but the joy comes from showing someone new paths and expanded horizons.”

A veritable family tree of mentorship has grown over the years, branches connecting and reconnecting in time. Where once a formal arrangement was in place, today these have turned to professional relationships. Once mentor and mentee, now simply colleagues.

In its first year of the program, Paul mentored Nicholas Liau, a young corporate lawyer turning his interest to molecular biology and the world of biotechnology. With an interest in industrial applications but no clear path, mentoring showed him the avenues he could pursue.

Nick tells of the way his career grew through this guidance: “It’s not always obvious in Australian medical research what exactly it means to pursue a ‘career in industry’. A key concrete piece of advice from Paul was to go and experience biotech in the US. This was certainly a ‘sliding doors’ moment in my career. The experiences I gained there have been important to every career move I’ve made since then.”

He now works at WEHI Ventures, a leading pharmaceutical research and development



Professor Paul Wood AO FTSE

Paul has over thirty years’ experience in R&D and been successful as a research scientist, an R&D leader and entrepreneur. He has led R&D teams from CSIRO, CSL and Pfizer Animal Health (now Zoetis) and was Deputy-Director of the Vaccine Technology CRC.



Dr Nicholas Liau

Nicholas is a Venture Principal Scientist at WEHI Ventures.



Dr Shadi Maghool

Shadi is a Venture Senior Scientist at WEHI Ventures.



Amanda Goonathilaka

Amanda is a PhD student in Food Chemistry at Deakin University. Her current field is bioprocessing food waste.

fund in Melbourne with global impact of its own and its fair share of university graduates moving directly into the industry workforce. He is constantly on the lookout for people with pharmaceutical experience, but more often he comes across people with academic backgrounds and an openness to other ways of working.

A few years after Nick, Paul mentored Shadi Maghool, an Iranian genetics student who had moved to Australia to study a Masters and PhD. Curious about career paths outside of academia, Shadi joined the IMNIS program and learnt skills for work and for life that she carries with her to this day.

She says, “Everyone’s career path is unique and that’s okay! The mentoring reminded me to stay true to what excites me, even if my journey looks different from others. Paul really opened my eyes to the different ways you can do meaningful, impactful research outside of academia.”

Through her work as a Research Fellow and her ongoing personal development, Shadi’s impact continues to grow. Nearly a decade after she first met Paul, in 2018 he introduced her to Nick, who recently hired her as a Senior Venture Scientist into his R&D team.

Shadi tells us that “You never know where one conversation or connection might lead! I still find it amazing that a mentoring introduction nearly 10 years ago has come full circle, with Dr Nicholas Liau and I now working together at Ventures WEHI.”

The impact of the IMNIS program continues, with 350 mentor-mentee pairs through 2025. This year, Paul is working with Amanda Goonathilaka, a second-year student at Deakin University. In her words, “I’m honestly so grateful for the support, it’s been more than just career advice; it’s helped me grow into a more capable and self-aware version of myself. I joined hoping to learn how to break into industry from academia, and IMNIS has really opened my eyes. It’s made me more confident and excited about taking that path.”

Since the program started back in 2015, thousands of mentees have become IMNIS alumni. With diverse careers in industry, research and everything in between, they are living proof of the value of the networks, mindsets and opportunities that this targeted mentoring allows. The best sign of all is that past mentees are now returning to the IMNIS program as mentors themselves, ready to pass on their experiences and extend the limbs of the IMNIS family tree even wider. ▶



Rings of time

Growing community and understandings of ecology

By Adam Huttner-Koros
ATSE Campaigns Manager

WHEN LOUISE HOSKING sits down in the lab with a scalpel to extract and study the bones of sharks, she follows in the footsteps of her mentors. Supported by an Elevate: Boosting diversity in STEM scholarship from the Australian Academy of Technological Sciences and Engineering (ATSE) to study her PhD at the University of South Australia, Louise is forging a new path in the world of fisheries and environmental research.

Animals, particularly marine animals – fish, sharks, shellfish, cephalopods and more – create growth rings and trap chemicals in their bony tissues as they age, much like the rings in tree trunks. The study of these bony structures and everything they can tell us about where and how the creatures lived is called sclerochronology. In the 1990s, Dr Bronwyn Gillanders at the University of Sydney was one of the first researchers in Australia to apply these techniques to our unique species and waterways, learning about the many fish species and the way they trap trace elements like calcium and manganese in the tiny bones of their ears.

Since then, Bronwyn has continued to develop our understanding of the marine species who live in and around South Australia, as one part of an expansive multidisciplinary research program working

across academia and industry to improve environmental and commercial outcomes. Now a Professor at the University of Adelaide, she was elected as an ATSE Fellow in 2023, she was recognised for her groundbreaking marine environmental research that is critically relevant to the management of commercial fisheries and the protection of coastal environments. She gives policy advice, helps develop research strategies, and is committed to mentoring and supporting the next generation of STEM leaders.

Along the way, she recruited Dr Zoë Doubleday, a recent PhD graduate from the University of Tasmania, to join her research group. Zoë took the research that started with fish and applied it to many other animal species. Her work is now focused on building new methods to analyse hard animal tissues, and how this can help us protect and understand the state of the local ecology. By navigating the chemical fingerprints stored in those tissues, her research team is surfacing robust data on the state of the environment, ecological conditions, animal health and biological diversity. Zoë's initial four-year contract, working with Bronwyn's guidance in Adelaide, provided the career security and guidance that has set her up for major impact and a successful academic and science communication career.

A Superstar of STEM through Science & Technology Australia's award-winning diversity, visibility and skills development program, in 2022 Zoë also received one of ATSE's prestigious ICM Agrifood Awards for her work across marine ecology and geochemistry to develop a method to trace the provenance of seafood. This work is combatting seafood fraud and illegal fishing, helping safeguard ecosystems and Australia's multi-billion dollar seafood industry. She is also nurturing a new generation of marine scientists, welcoming a diverse cohort of students and research assistants into the lab.

Zoë's approach to leadership is open, proactive and non-judgmental. From Bronwyn, she learnt about the importance of having an ambitious and welcoming role model to show students the ins and outs of the profession. Now, she is that role model for those around her. A leader and academic supervisor, she empowers her colleagues in the lab and beyond to take on the challenges they want, and provides opportunities to learn and grow.

With a significant underrepresentation of women in marine and fisheries science, Zoë and Bronwyn continue to break down walls for themselves and their students. Knowing what their students are going through, Zoë and Bronwyn both share



Professor Bronwyn Gillanders
FTSE

Bronwyn is globally recognised for her ground-breaking applied marine environmental research that is critically relevant to management of commercial fisheries and protection of coastal environments. She has passionately pursued multidisciplinary applied research over 25 years that has provided significant policy advice on management and conservation issues in marine/land environments, as well as developed research strategies and policies for government, resource management boards and non-government organisations.



Louise Hosking

Elevate Postgraduate Research Scholarship holder studying a PhD in Marine Biology at the University of South Australia. She is pursuing her PhD with a focus on using sclerochronology for the conservation of threatened and commercially important shark species.



Zoë Doubleday

Zoë is a marine ecologist, Australian Research Council Future Fellow, and Superstar of STEM. Her research spans marine and fisheries ecology, geochemistry, and animal biology with outcomes that support conservation, sustainable seafood production and food security.

ATSE Awards 2022 winner: ICM Agrifood Award for Excellence in Agrifood

their knowledge freely and opens doors to networks and initiatives that lead to career growth. The fisheries sector needs diverse skillsets – and diverse perspectives are more important than ever when it comes to dealing with increasing climate impacts and environmental concerns.

As first a volunteer, then a research assistant and now a PhD student in Zoë's lab, Louise brings her skydiving, scuba diving, earth-loving perspectives to the intricate and hands-on world of shark and oceans research. Her drive to protect the environment and show other girls that they can be part of science too are what make her who she is.

Aligned in their discipline and their commitment to diversity, Louise, Zoë and Bronwyn are also connected by an ATSE thread weaving into their careers. Louise follows in their footsteps, the mentors who came before her. On the algal blooms devastating the seas of Southern Australia, she describes a helplessness, but also a drive to act: "Through the knowledge we can unlock, it's possible to reduce the impact. When people are looking up to you, as a scientist, I want to show them there are things we can do to help.

Understanding our beautiful, complex planet is a privilege and protecting it is our responsibility. Now, I get to do that." ▶



Hear from future STEM leaders

Members of the ATSE Emerging Leaders Network work with Fellows as mentors from each of the Policy Forums, seeing the inner workings of the Academy's policy-making processes and growing their professional networks. They share here perspectives on future technologies and innovations based on their research and professional experiences.

Bringing STEM education to rural Australia



Olivia Jessop
Olivia is a healthcare professional, with experience in maths educational research student supervision, private diagnostic pathology, aerospace R&D, and tertiary medical and mathematical teaching. She has held various research assistant positions since 2016 and is currently finalising her PhD in government-integrated disease surveillance. She is committed to supporting diverse audiences through volunteer educational outreach, and career mentoring of undergraduate and neurodiverse individuals.

EDUCATION PROVIDES PEOPLE access to roles and platforms that they can use to share their opinions and lived experience with others. In theory, anyone with the drive and capability to excel can get to that position. However, education access is unevenly spread across Australia, with the average 15-year-old from remote Australia around 1.5 years behind metropolitan students in science, and significantly below the international average in mathematics. Barriers include skills and retention gaps for qualified STEM teachers, location-limited career and further education opportunities, poorer access to resources around mental health and wellbeing, and the potential fragmentation of career advice.

It has long been an agenda item for education providers to increase uptake in rural and regional areas. But consistent engagement with these communities – and not just the students – is crucial. Community consultation and exposure to science and maths in a palatable format is key. It is important to know what topics motivate students to engage with curriculum, what career paths students want to be prepared for, and what preferences exist for approaches to learning (for example, quality online learning which can allow individuals to stay localised within their community).

Through Inspiring Australia Queensland, I've been helping to design off-site professional development workshops for rural math teachers, to help with student engagement and aligning to curriculum.

This year in August, Inspiring Australia Queensland, a federal and state supported initiative, performed a travelling launch for National Science Week around 7 locations in central and western Queensland. Topics included wildlife conservation, quantum communication, and traditional ecological knowledge, to show science's role in sustainability, emerging technologies and cultural heritage. Mayors and community leaders were actively involved, showcasing how regional study hubs are transforming access to higher education, encouraging students to pursue STEM careers without leaving their communities.

Friendly and hands-on events help make science approachable and fun for all ages, while facilitating crucial community buy-in. Ultimately, events like these not only increase awareness of educational opportunities, but a belief in students' right and ability to access them. ▲



Making genomics work for everyone



Dr Arinola Akinnibosun
Arinola is a PhD candidate in the Health Innovation and Transformation Centre of Federation University Australia. Her research focuses on telomeres and their role in chronic kidney disease and comorbidities, aiming to unlock new pathways for treatment and management. Through strategic foresight and engaging in policy dialogues, Arinola has been instrumental in shaping governance structures to foster innovation and collaborative efforts in research.

DESPITE DECADES OF progress, cardiovascular disease remains Australia's leading cause of death. Precision medicine can help us approach this massive problem with new tools.

Based on people's unique genetics, genomic tools offer new ways to identify those at risk before disease develops. I want to see these tools realise their full potential, and to do so, they need to reflect the diversity of our population and our region.

Most existing genomic data is based on individuals of European ancestry. This limits the accuracy of genomic tools for many Australians, including First Nations, Pacific Islander, and Southeast Asian communities, as well as our Indo-Pacific neighbours. Without more inclusive data, precision medicine risks reinforcing, rather than reducing, health inequities.

I'm a Genomics Researcher as part of The Healthy Regions InterVention (THRIVE) project at Federation University Australia, which is piloting personalised cardiovascular risk and lifestyle strategies

in regional Australia. This has shown me close up how genomic insights can only be translated into effective preventive care if the data reflects the people it's meant to serve. Recent national investments, such as the Genomics Health Futures Mission and large-scale efforts like OurDNA, are a good step towards a more inclusive foundation. But equity must be embedded from the outset, not treated as an afterthought. Australia has both the research capability and the regional partnerships to lead this work across the Indo-Pacific.

To turn potential into public health impact, we need targeted investment in diverse genomic cohorts, policies that promote equitable data collection, and stronger cross-border collaboration. Ongoing effort is needed to ensure diversity is not just acknowledged but systematically addressed. This is a matter of fairness for so many people in our community. By broadening the genetic reference data used to inform risk prediction, Australia can ensure precision medicine delivers for all communities, not just a few. ▲



How gene editing technologies could help us fight viruses



Dr Emiliana Weiss
Emiliana is a post-doctoral Research Fellow in Immuno-engineering within CSIRO's Transformational Bioinformatics Group and Digital Genome Engineering Team, working on CRISPR guide design, virus evolution, genome assembly and deep learning applications in bioinformatics.

IN RECENT MONTHS, gene editing technologies have been in the headlines. An ambitious company is promising to bring back extinct species, starting with the creation of animals resembling dire wolves, and others are using personalised medicine to cure genetic diseases.

This is all thanks to CRISPR gene editing, a molecular tool that can act like scissors to snip both DNA and RNA, making it a game-changer in fighting diseases.

My team and I at CSIRO are using this technology to fight RNA viruses. We saw during the COVID-19 pandemic just how quickly they can mutate, which is one of the reasons vaccines need to be updated every year. This is true of flu viruses as well, which evolve over the seasons and need a new targeted vaccine each year.

By combining artificial intelligence with large viral datasets, we are developing tools that can predict how viruses evolve. Using gene editing technologies such as CRISPR, we want to design antiviral strategies to target these viruses and help improve the immune system of livestock, with a special focus on the immunisation of chickens against bird flu.

Not long ago, we experienced the impact of bird flu with empty egg shelves and a restriction on the number of cartons we could buy. And as the population increases, food security will become an even more critical issue. Our goal is to bring new solutions to these complex challenges by creating resilient antiviral tools that reduce both the cost and impact of viral outbreaks, contributing to healthier livestock and more sustainable farming. ►



Dr Catriona Vi Nguyen-Robertson
Catriona (she/her) is a singing scientist: she sings in the laboratory and contemplates immunology in the shower. She trained as an immunologist at the Peter Doherty Institute for Infection and Immunity, and is now a science communicator and educator. She teaches STEM as a Learning Facilitator at Scienceworks (Museums Victoria), and teaches science communication at The University of Melbourne.

Beyond the lab: Why STEM needs a broader audience

YOU'VE LIKELY HEARD the question "If a tree falls in a forest and no one hears, does it make a sound?". Let me pose another: if a STEM researcher develops an innovative solution but no one knows about it, does it count?

Scientific research isn't complete until it's communicated — whether within a discipline or to the wider public. That's why I'm passionate about empowering the next generation of STEM researchers to communicate their work clearly and meaningfully.

Beyond research, good science communication strengthens scientific literacy and STEM education.

Creativity, adaptability, critical thinking, and problem-solving are increasingly essential — skills that STEM education helps build. But students often don't realise STEM's value until it's too late.

Student participation in science and maths is declining, with persistent gaps across gender, First Nations, socio-economic, and regional lines. Many students lose interest in STEM as early as age 6, due to limited access and support, and whether they see STEM as "for them."

Teachers are central to turning this

around, but many feel underprepared to teach STEM confidently. They're often constrained by siloed subjects, outdated resources, and overloaded curricula. Approaches such as project-based learning, integrated disciplines, and real-world connections can engage students more deeply but require time, resources, and support — which teachers often don't have.

Policy and curriculum changes are beginning to help, with a stronger focus on inquiry, cross-disciplinary learning, and digital tools. Initiatives like the National STEM School Education Strategy and Victoria's Tech Schools support schools through hands-on learning and teacher development.

Circling back, when researchers communicate well, they can connect with schools directly. Partnerships with STEM experts (e.g. Skype A Scientist, STEMpals, and In2Science) foster curiosity and provide role models to students. To build an inclusive, engaging STEM education system, we need more than passionate teachers. We need coordinated support, relevant content, and strong partnerships so every student can see a future and a place for themselves in STEM. ►

MORE

National STEM School Education Strategy
The National STEM School Education Strategy 2016-2026, which focuses on foundation skills, developing mathematical, scientific and digital literacy.
education.gov.au/australian-curriculum/support-science-technology-engineering-and-mathematics-stem-national-stem-school-education-strategy-2016-2026

Victoria's Tech School
Victoria's Tech Schools provide high-tech, hands-on STEM programs to secondary school students in their local areas. Tech Schools are a dynamic, empowering environment where students can design their own solutions to real-world problems.
vic.gov.au/tech-schools

Skype a Scientist
Skype a Scientist has a database of thousands of scientists and helps them connect with classrooms, families, libraries, scout troops, and more all over the globe! We give students the opportunity to get to know a real scientist and get the answers to their questions straight from the source.
skypeascientist.com

STEMpals
STEMpals connects Australian grade 5 & 6 students to STEM professionals through a pen pal program so students can be who they can see.
stempals.org.au

In2Science
In2science is an innovative and proven multi-university school partnership program that places university students as peer mentors in Victorian low socio-economic schools.
in2science.org.au

Vaccines: Critical public health tools that save humanity



Dr Winter Okoth
Winter is a graduate of Griffith University where she graduated with a PhD in Microbiology. Dr Okoth's research dissertation extensively focused on the development and preclinical evaluation of whole blood-stage malaria vaccine candidate formulated with CAF01 liposomes during her PhD candidature in the Laboratory of Vaccines for the Developing World at the Institute for Glycomics, Griffith University.

VACCINATION HAS MADE a tremendous positive contribution to humanity and global health since the early 1800s when the concept of immunisation was first introduced. However, the development of vaccines against certain diseases remains a major challenge, which is where my research on a malaria vaccine sits.

Vaccines are the 'fuel' that strengthens our body's immune defence army, training and honing our immune cells to recognise disease-causing microbes when they invade the body and helping them to generate and deploy the antibodies to respond to the threat.

As a public health prevention tool, vaccines are incredibly effective at controlling, preventing and even eradicating some of the most serious diseases that humanity faces. My PhD and subsequent

work has focused on the development and evaluation of new malaria vaccine approaches (such as the whole parasite liposomal vaccine platforms).

The fight against malaria has been going on for decades, yet it remains a leading cause of illness and deaths, especially in children under 5 in Sub-Saharan Africa. Malaria is caused by a clever mosquito-transmitted parasite (*Plasmodium* spp.) that has a complex lifecycle, different species, different developmental stages that can generate different immune responses, and huge variability making it capable of 'escaping' and 'manipulating' the human immune response. These are some of the challenges to overcome in the development of an effective malaria vaccine.

We've come a long way to better understand this parasite over the past 100 years. Currently in development are liver-stage vaccines, a liposomal whole-blood stage vaccine approach for which I've contributed to the development and preclinical evaluation phase (published in the journal *mBio* in 2023), and transmission blocking vaccines. Today we can greatly appreciate the fact that two vaccines have been approved by the World Health Organization for use in children in malaria endemic regions. This is a significant step in the fight against malaria.

Effective vaccines are powerful public health tools for eliminating infectious diseases globally, saving lives by ensuring a decline in sickness and deaths due to diseases. Additionally, these interventions bring major benefits in affected areas including increased life expectancies, denizens' productivity and empowerment, strengthening of healthcare systems and preparedness for future outbreaks and epidemics. Vaccines save lives and ensure a healthier world for all humanity. ▲



Hydrogen technologies for a clean energy future



Sabarikirishnan Kirishwaran
Sabari is an experienced researcher with over 4 years of expertise in Energy Tech, currently pursuing postgraduate research in Sciences at Griffith University, with a focus on hydrogen storage using High Entropy Alloys. In addition to his academic background, he has more than 4 years of professional experience in tech including AI/ML, cloud and Quantum Machine Learning (QML) and has worked in large multinational corporations.

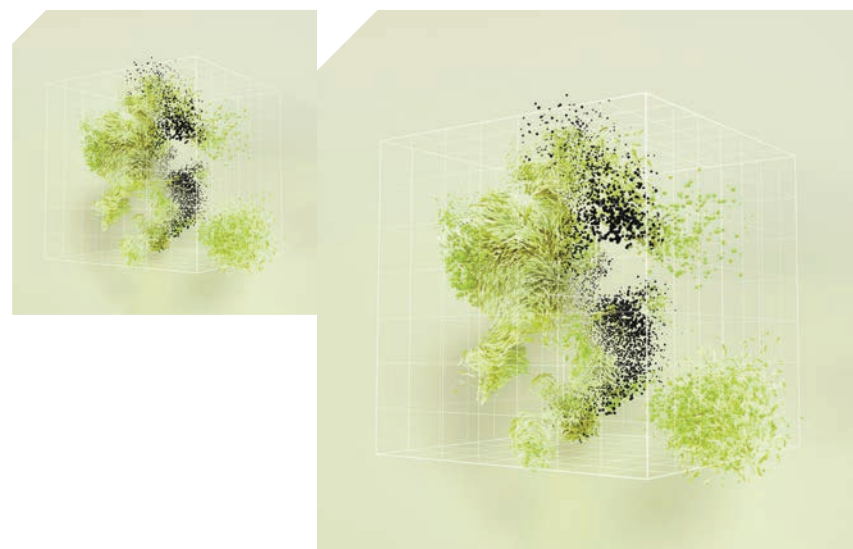
AS THE WORLD accelerates a clean energy future, hydrogen is a promising renewable energy carrier with combustion characteristics that can be reliably controlled. However, leveraging its full potential requires overcoming the critical challenge of storage. One compelling solution is to store it as a solid — trapping hydrogen atoms within the atomic lattice of metals called metal hydrides. These materials can store more hydrogen per unit volume than any pressurised tank, but their practicality depends on the irregular way their atoms are arranged together. Fine-tuning this arrangement is essential for enabling hydrogen storage and release under practical, real-world conditions. That's where my research fits, helping find new methods for creating practical materials of this sort.

High-entropy alloys (HEAs), which metal hydrides are part of, are metal alloy combinations made from five or more different elements. Their inherently disordered atomic structures provide tunable configurations, paving the way to alloys with a broad spectrum of tailored, thermodynamic properties. The challenge is that traditional quantum mechanical simulation methods, like Density Functional Theory, often struggle to accurately capture the intricate,

motion of hydrogen in such disordered systems. To address this limitation, researchers are developing a novel machine-learning-driven computational framework. This approach acts as a powerful "computational microscope," trained on high-quality quantum simulation data to predict atomic behaviours dynamically and accurately — potentially accelerating calculations by orders of magnitude to search through the vast possibility of combinations of metal alloys.

Today, advances in neural operators — AI models capable of learning fundamental mathematical operators in physics — enable us to accurately predict the behaviour of broad classes of materials. By leveraging these tools on benchmark systems, such as palladium hydride, my research aims to establish a rapid, scalable method for discovering and designing new hydrogen storage alloys tailored for specific thermodynamic requirements.

Ultimately, this research isn't merely about creating better computational models. It's about speeding up the discovery of materials essential for powering a sustainable hydrogen economy. In our urgent race against climate change, smarter computational strategies might just be among our most valuable tools. ▲



The role of AI in international STEM research collaboration



Dr Samantha Papavasiliou

Samantha Papavasiliou holds a PhD in business innovation and digital transformation in government and public sector agencies. She also holds a Master of International Trade and Development, Master of Applied Project Management (Project Systems), Bachelor of Social Science (with Honours) and Bachelor of Psychological Sciences from the University of Adelaide. Samantha is a Certified Associate in Project Management, and is currently a Project Lead and Senior Data Analyst at the Australian Taxation Office.

RESEARCHERS, PRACTITIONERS AND policymakers can best address significant global challenges through international collaboration in STEM. Over the past few years, in my roles as a project manager and data analyst, I have witnessed firsthand how Artificial Intelligence (AI) can support researchers and their workflows.

So, how can we use these tools to increase international collaboration as well?

We currently use AI throughout the research journey:

- To process large datasets, at a speed and scale humans cannot, regardless of geographic location or language barriers. For international researchers whose data is collected from diverse sources and locations, it can be more easily shared and used in scientific practice.
- To facilitate multilingual communication through real-time AI translation. This enables easier interactions across linguistically diverse communities.
- To support better research management across time zones. Through automated scheduling tools, meetings can be coordinated, milestones tracked, and productive tasks delegated across teams.
- To enable effective knowledge management systems that can recommend appropriate literature, connect researchers with shared interests, and flag potential overlaps to support collaboration.

AI advancements are not without their risks and challenges. The ethics of AI training and data privacy are significant challenges, especially when sharing sensitive information across countries with different regulatory standards. As we are already seeing, there is a risk of over-reliance on AI-generated reports, reducing the insights taken from human judgement and removing cultural context in the interpretation. In lower-resourced regions, there may be a reinforcement of existing inequalities, where disparities in access to AI infrastructure can exclude researchers from the processes of global science. AI tools such as IBM Watson Discovery are available to support international collaboration, but they are often costly and require specific infrastructure.

The question becomes, how do we ensure international collaboration is equitable?

I have no doubt that there are significant opportunities to enhance international collaboration with AI. However, we must consider ethical practices, equitable access and human oversight. Addressing these challenges is how we will support the development of AI and its role in international research. ▶

An artist's illustration of artificial intelligence (AI). This image explores machine learning as a human-machine system, where AI has a symbiotic relationship with humans. It was created by Aurora Mititelu as part of the Visualising AI project launched by Google DeepMind. unsplash.com

Thank you for helping ATSE shape a better future

AS ATSE CELEBRATES 50 years of advancing science, technology and engineering in service of Australia and the world, we thank and recognise the generous philanthropic donations from our community.

The generosity of our Fellows, staff and broader network helps ensure ATSE's independent voice can continue to provide expert advice to government and industry; champion research, innovation and evidence-based policy; and remain a driving force behind national STEM careers programs that support the talent and leadership of tomorrow.

We are truly grateful that ATSE can expand our impact thanks to the support of our growing community of donors.

Every single gift is important.

Every single gift makes a difference.

"To ensure a sustainable and high performing ATSE and STEM education improved, to attract more of the best of the best and brightest school leavers to pursue STEM studies and careers ... these are the areas that benefit greatly from financial support."

— Peter Laver AM FTSE, ATSE donor

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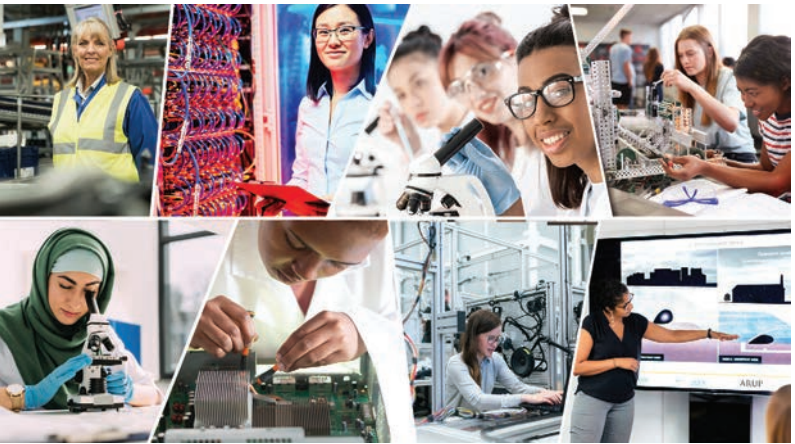
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ELEVATE

Impact of giving

ATSE's Elevate: Boosting diversity in STEM program is growing the diverse and thriving STEM-skilled workforce Australia needs to build a strong, successful and sustainable future.



ELEVATE WAS SEED funded by the Department of Industry, Science and Resources, and generous philanthropic donations are helping to supercharge and scale up this important program. The individual and collective impacts of Elevate would not be possible without this support.

Through generous scholarships, paired with professional development, mentoring, networking, psycho-social support and other opportunities, Elevate is supporting hundreds of women and non-binary people from under-represented backgrounds to study undergraduate and postgraduate degrees in science, technology and engineering.

Elevate is a nationally recognised program and was listed in the Federal Government's Diversity in STEM Review as the gold standard for fostering gender equity in STEM. It boasts a 96% retention rate and is currently supporting over 400 scholars to study and complete undergraduate and postgraduate degrees in STEM disciplines.

"Without the Elevate scholarship, there was absolutely no way I could have had the support behind me to return to study, to upskill, and to change my career pathway within STEM. In fact, if it was not for the Elevate program, I would have been like the majority of other women I know in the industry—I would have left the STEM career stream."

— Elevate Scholar, 2024

MORE ABOUT ELEVATE

Elevate: Boosting diversity in STEM



The launch of the Elevate scholarship program, with the Hon Ed Husic MP, Minister for Industry and Science; ATSE CEO Kylie Walker; Elevate scholar Kiowa Scott-Hurley; Senator Katie Gallagher, Minister for Finance; and Marguerite Evans-Galea, ATSE Director, STEM Careers; alongside other Elevate scholars.

Working in partnership to solve our greatest challenges

ATSE WORKS WITH our values-aligned partners to inspire, build and support the STEM workforce of the future, and to provide evidence-based advice to help inform business strategy, influence public policy, and grow industry capability.

We thank all of our generous partners for 2025, who recognise and value the critical role of helping Australians understand and use technology to solve our greatest challenges.



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Australian Government
Department of Education,
Skills and Employment



Australian Government
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Australian Government
Australian Submarine Agency

























Partnering to build skills and confidence in STEM

In June 2025, Alinta Energy and ATSE announced a partnership to grow opportunities for students in regional areas to build skills and confidence in science, technology and engineering.

WITH FUNDING FROM Alinta Energy to provide hands-on STELR science education kits to four high schools located near Alinta’s battery and pumped-hydro development projects, the schools will benefit from practical educational resources directly related to their environment, communities and potential career pathways. As part of the partnership, ATSE will also provide in-person professional development for teachers, so they can make the most out of the STELR teaching resources and kits in their classes.

Through STELR, classrooms receive kits to build renewable energy machines, mini sustainable houses and solar cars – supported by teaching resources that link them to the national curriculum. The kits will help thousands of students over the years to learn by doing, encouraging them to ask questions, test ideas and engage with real-world challenges.

“Our partnership with ATSE is about more than just education, it’s about creating real connections between students, their communities, and the future of energy. By supporting schools near our future renewable energy sites, we’re helping young people see themselves in the energy transition and giving them the tools to be part of it.”

— Jeff Dimery, Alinta Energy CEO

Thanks to Alinta Energy, STELR is now reaching more under-resourced regional and remote schools. By working in partnership, ATSE and Alinta are developing new cohorts of STEM-literate young people who will form the next generation of energy, technology and science innovators. ▲



The first astronaut flying under the Australian flag, a pioneer of aerial robotics technology, an air quality expert who helped highlight the airborne spread of COVID-19, and a leading environmental campaigner and former federal minister are all among ATSE new Fellows elected in 2025.

THE 35 LEADING innovators have been elected to join the prestigious group of Fellows of the Australian Academy of Technological Sciences and Engineering (ATSE), following outstanding achievement in the fields of applied Science and engineering.

ATSE's 2025 new Fellows include:

Katherine Bennell-Pegg FTSE – the first qualified astronaut under the Australian flag and the first woman Australian astronaut.

Distinguished Professor Lidia Morawska FTSE FAA – a global authority on airborne particles who, during the COVID-19 pandemic, spearheaded efforts to bring evidence of airborne transmission to public health authorities worldwide and was subsequently recognised as one of Time magazine's most influential people for 2021.

Professor Kourosh Kalantar-Zadeh FTSE – a multidisciplinary engineer and entrepreneur known for significant contributions to transformative innovations like transparent conductive glass used in mobile phones, smart electronic windows for aircraft, and globally deployed hazardous gas sensors.

Honorary Fellow: The Hon Peter Garrett AM FTSE – a renowned campaigner, musician and former politician – the lead singer of Midnight Oil, former president of the Australian Conservation Foundation and former federal Minister for the Environment who introduced Australia's first e-waste recycling scheme and was instrumental in the campaign to end whaling in Antarctica.

ATSE President Dr Katherine Woodthorpe AM FAICD FTSE said that 2025's new Fellows represented the breadth and of world-class Australian innovation.

"Our expert Fellows are world leaders – and are working on the game-changing technology and innovations that are helping to solve the world's most pressing and complex challenges," said Dr Woodthorpe.

"We're thrilled to welcome the 35 new Fellows, drawn from a highly competitive field of nominees.

"The 2025 Fellows are a diverse group of people from across the country and from a range of sectors – experts in medical physics, sustainable engineering, pharmaceuticals, agriculture and more.

"Our new Fellows are behind truly game-changing innovations – from augmented reality to green hydrogen production to the batteries of the future.

"We can't wait to welcome this group of extraordinary Australians to the Academy's Fellowship." ►

Katherine Bennell-Pegg FTSE

Pioneering engineer and first astronaut to represent Australia

Professor Eva Bezak FTSE

Powerhouse in medical physics

Kerryn Coker FTSE

Sustainable engineering leader

Dr Nick Fleming FTSE

Multidisciplinary problem-solver

Dr Victoria Gordon FTSE

Pharmaceutical pathbreaker

Professor Yuming Guo FTSE

Climate-health expert

Professor Matthew Harrison FTSE

Change agent in sustainable agriculture

Professor Susan Harrison FTSE

Bioprocess engineering groundbreaker

Professor Kourosh Kalantar-Zadeh FTSE

Cutting-edge engineer

Professor Michael Kassiou FTSE

Leading-edge chemist

Neil Kavanagh FTSE

Global energy technology leader

Dr Bruce Leslie FTSE

Solar energy changemaker

Professor Christina Lim FTSE

Shaping optical-wireless communication technology

Professor Robert Mahony FTSE FAA

Revolutionising aerial robotics

Sarah McSwiney FTSE

Aerospace engineering leader

Professor Bradley Moggridge FTSE

Indigenous water management champion

Distinguished Professor Lidia Morawska FTSE FAA

Air pollution paradigm-shifter

Pamela Naidoo-Ameglio FTSE

Leader elevating excellence and safety

Professor Ian O'Hara FTSE

Australia's biofuture shaper

Professor Maurice Pagnucco FTSE

Expanding ICT frontiers

Professor Shi-Zhang Qiao FTSE FAA

Catalysing next-generation energy

Professor John Rasko AO FTSE FAHMS

Cell & gene therapy pathfinder

Professor Yansong Shen FTSE

Forging sustainable innovation

Professor Peng Shi FTSE

Electrical engineering luminary

Professor Cori Stewart FTSE

Supercharging AI & advanced manufacturing

Kimberley Swords FTSE

Shaper of sustainability policy

Professor Ying Tan FTSE

Robotics innovator

Suzanne Thompson FTSE

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Acclaimed voice for people and planet

FOREIGN FELLOW - ITALY

Professor Federico Rosei FTSE

Nanomaterials maestro



NEW FELLOWS 2025

Katherine Bennell-Pegg

FTSE

Pioneering engineer and first astronaut to represent Australia



NEW FELLOWS 2025

Professor Eva Bezak

FTSE

Powerhouse in medical physics



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Bioprocess engineering groundbreaker

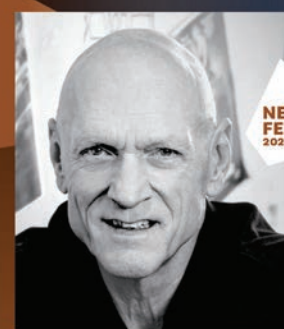


NEW FELLOWS 2025

Dr Nick Fleming

FTSE

Multidisciplinary problem-solver



NEW FELLOWS 2025

The Hon Peter Garrett

AM FTSE

Acclaimed voice for people and planet



NEW FELLOWS 2025

Dr Victoria Gordon

FTSE

Pharmaceutical pathbreaker



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Professor Kourosh Kalantar-Zadeh

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Cutting-edge engineer



NEW FELLOWS 2025

Professor Michael Kassiou

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Leading-edge chemist



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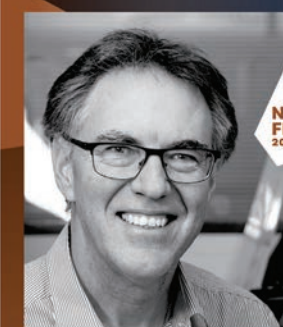


NEW FELLOWS 2025

Professor Christina Lim

FTSE

Shaping optical-wireless communication technology



NEW FELLOWS 2025

Professor Robert Mahony

FTSE FAA

Revolutionising aerial robotics



NEW FELLOWS
2025**Sarah McSwiney**

FTSE

Aerospace engineering leader

NEW FELLOWS
2025**Professor
Bradley Moggridge**

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2025**Distinguished Professor
Lidia Morawska**

FTSE FAA

Air pollution paradigm-shifter

NEW FELLOWS
2025**Professor
Yansong Shen**

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Forging sustainable innovation

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2025**Professor Peng Shi**

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Electrical engineering luminary

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2025**Professor Cori Stewart**

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FTSE

Shaper of sustainability policy

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2025**Professor Ying Tan**

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Robotics innovator

NEW FELLOWS
2025**Suzanne Thompson**

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Advocate for Indigenous
KnowledgeNEW FELLOWS
2025**Professor
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FTSE FAA

Catalysing next-generation energy

NEW FELLOWS
2025**Professor John Rasko**

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Cell & gene therapy pathfinder

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2025**Professor
Federico Rosei**

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Nanomaterials maestro

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2025**Eric Vanweydeveld**

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Leader in remote water
services innovationNEW FELLOWS
2025**Distinguished Professor
Guoxiu Wang**

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Battery trailblazer

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2025**Professor Hongxia Wang**

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Solar innovator





Read more about our 2025 new Fellows at
atse.org.au/who-we-are/our-fellows/new-fellows-2025



Illustration of Ian McLennan House at 197 Royal Parade in Melbourne.
 This property served as headquarters for the Academy from its purchase in 1988 until 2009, with the Academy later moving from St Kilda Road in Melbourne to Forrest, Canberra in 2020.



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Acknowledgment of Country

We acknowledge Traditional Owners of Country across Australia and recognise their continuing connection to land, water and community. We pay respect to Aboriginal and Torres Strait Islander culture, and Elders past and present.



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