



Australian Government

Department of Defence
Science and Technology

EDTAS

EMERGING DISRUPTIVE TECHNOLOGY
ASSESSMENT SYMPOSIUM

noetic

UTS



SPEAKERS

INFORMATION, KNOWLEDGE AND DIGITAL DISRUPTION

MARITIME MUSEUM, SYDNEY, AUSTRALIA
10-11 APRIL 2017

dst.defence.gov.au/edtas

#EDTAS

BRIGADIER JOHN MACKENZIE

DIRECTOR GENERAL JOINT FORCE ANALYSIS



Brigadier Mackenzie enlisted in 1984 and is a graduate of the Australian Defence Force Academy (1986) and the Royal Military College (1987). He served in the 1st Armoured and 2nd/14th Light Horse Regiments in command at troop/squadron level and in Regimental staff appointments. He was Commanding Officer 1st Armoured Regiment in 2005/06. He was Head of the Royal Australian Armoured Corps in 2012/14.

He has held a variety of Army, joint and strategic staff appointments in Army Headquarters, Strategic Operations Division, Strategic Policy Branch and Investment Analysis Branch of Capability Development Group. On promotion to Colonel he was Chief of Operations at Forces Command in 2009. He was Chief of Staff to the Vice Chief of the Defence Force in 2011. On promotion to Brigadier he was Director General South and Southeast Asia, International Policy Division in 2013/15 and is currently Director General Joint Force Analysis, Force Design Division.

Brigadier Mackenzie's operational deployments were in East Timor as a United Nations Military Observer in 2001/02, in Afghanistan at HQ International Security Assistance Force, as Deputy Director Plans in 2009/10 and in Kuwait/Iraq as Director of Plans for Operation Inherent Resolve in 2016/17.

Brigadier Mackenzie's military qualifications include PSC (Australian Army Staff College, 2000) and he is a Fellow of the Centre for Defence and Strategic Studies (Australian Defence College, 2012). He holds a Bachelor of Arts (Hons) (UNSW, 1988), a Master of Defence Studies (UC, 2000) and a Master of Management (UNSW, 2002) and a Master of Arts - Defence and Strategic Studies (Deakin, 2012).

DR ALEX ZELINSKY

CHIEF DEFENCE SCIENTIST, DST GROUP



Dr Alex Zelinsky was appointed Chief Defence Scientist and Head of the Defence Science and Technology (DST) Group (formerly DSTO) in March 2012.

Dr Zelinsky's scientific career includes working as a computer scientist, systems engineer and a roboticist. His career spans innovation, science and technology, research and development, commercial start-ups and education. He leads the Defence Science and Technology program within the Department of Defence.

Prior to joining Defence, Dr Zelinsky was Group Executive for Information Sciences at the CSIRO. Dr Zelinsky was Chief Executive Officer and co-founder of Seeing Machines, a high-technology company developing computer vision systems. The company is listed on the London Stock Exchange and was a start-up from the Australian National University in Canberra, Australia, where Dr Zelinsky was Professor of Systems Engineering.

Dr Zelinsky has received numerous awards and recognition of his work. He has been included in Engineers Australia's list of the 100 most influential engineers since 2009. The World Economic Forum selected Dr Zelinsky as a Technology Pioneer three years running from 2003 to 2005. Dr Zelinsky is a Fellow of the Institute

of Electrical and Electronics Engineers, the Australian Academy of Technology and Engineering, the Institute of Engineers Australia and the Australian Institute of Company Directors.

PROFESSOR HUGH BRADLOW

CHIEF SCIENTIST, TELSTRA

PRESIDENT, AUSTRALIAN ACADEMY OF TECHNOLOGY AND ENGINEERING



Professor Hugh S Bradlow is President of the Australian Academy of Technology and Engineering, and Chief Scientist at Telstra Corporation. In the latter role he acts as a forward scout, looking at the longer term technology directions and technology disruption that will impact Telstra and its customers.

Prior to becoming Chief Scientist he was Chief Technology Officer and Head of Innovation at Telstra, responsible for the introduction of new technologies into Telstra's business.

Before joining Telstra in September 1995, Professor Bradlow was Professor of Computer Engineering at the University of Wollongong in Australia and Professor of Electrical Engineering (Digital Systems) at the University of Cape Town.

Professor Bradlow is a graduate in electrical engineering from the University of Cape Town in 1973 and received the D.Phil. degree (PhD) for research in experimental nuclear physics from the University of Oxford. He is an Emeritus Professor of the University of Wollongong, a Professorial Fellow of the University of Melbourne, and a recipient of a Centenary Medal from the Commonwealth of Australia.

He is globally recognised as a thought leader in telecommunications and was elected as the joint 2009 Australian Telecommunications Ambassador of the Year. He was named by Global Telecom Business as one of the most 100 most influential telecommunications executives in the world and Smart Company designated him as one of the 12 most influential people ICT people in Australia.

PROFESSOR JILL SLAY

AUSTRALIAN CENTRE FOR CYBER SECURITY,

UNIVERSITY OF NEW SOUTH WALES



Professor Jill Slay is Director of the Australian Centre for Cyber Security (ACCS) at UNSW Canberra at ADFA. This Centre has developed critical mass in cross-disciplinary cyber security to serve the Australian Government and Defence Force, and help strengthen the Digital Economy. Professor Slay has established an international research reputation in cyber security and has worked in collaboration with many industry partners.

Professor Slay is a Member of the Order of Australia (AM) for service to the information technology industry through contributions in the areas of forensic computer science, security, protection of infrastructure, and cyber-terrorism.

She was made a Fellow of the International Information Systems Security Certification Consortium for her service to the information security industry, holding CISSP and CCFP certifications, and is also a Fellow the Australian Computer Society. Professor Slay is well published in the areas of information assurance, critical

infrastructure protection, security and forensic computing in the last 10 years. She has been awarded over AUD 2 million in Australian Government Category 1 research income, including a Future Fellowship.

ACCS combines expertise from a range of communities; political, cyber industry, defence, academic, individual and organisational users, and the media. ACCS builds on close working relationships with both domestic and international industry and government, including UNSW's unique half-century relationship with the Department of Defence.

PROFESSOR MASSIMO PICCARDI **UNIVERSITY OF TECHNOLOGY SYDNEY**



Professor Massimo Piccardi is a Professor of Computer Systems with the Faculty of Engineering and Information Technology at University of Technology, Sydney (UTS). Professor Piccardi joined UTS in January 2002 as an Associate Professor. He was previously a Senior Lecturer and Assistant Professor in the Faculty of Engineering at University of Ferrara, Italy.

At UTS, he directs the Computer Vision program of the Global Big Data Technologies Centre, an international centre of excellence for the development of enabling technologies for big data science and analytics. His main research interests are; pattern recognition, computer vision, image and video analysis and, more recently, natural language processing. Over his career, Professor Piccardi has been the author and co-author of numerous scientific papers.

Since relocating to Australia from Italy in 2002, he has been the Principal Investigator of a number of advanced research projects including two Australian Research Council (ARC) Discovery Projects and an ARC Linkage Project. Professor Piccardi serves as an Associate Editor for Computer Vision and Image Understanding and Machine Vision and Applications and is a senior member of the Institute of Electrical and Electronics Engineers (IEEE), a member of the IEEE Computer Society and a member of the International Association for Pattern Recognition (IAPP).

PROFESSOR IAN REID **AUSTRALIAN CENTRE FOR VISUAL TECHNOLOGIES,** **UNIVERSITY OF ADELAIDE**

Professor Ian Reid is a Professor of Computer Science. at the Australian Centre for Visual Technologies, a University research centre within the School.



He was formerly a Professor of Engineering Science at the University of Oxford where, together with Professor David Murray, they manage the Active Vision Group, part of the wider

Robotics Research Group.

His research interests span a wide range of topics in Computer Vision. He is concerned with algorithms for visual control of active head/eye robotic platforms visual geometry and camera self-calibration), visual SLAM, human motion capture, activity analysis, and novel view synthesis.

MR PAUL HEUER **DST GROUP**

Mr Paul Heuer is Research Leader, Combat and Mission Systems in the Defence Science and Technology Group's Weapons and Combat Systems Division. He leads a major science and technology capability comprising three teams, totalling 50 scientists and engineers, supporting several ADF and government elements. The major science and technology capability includes development and assessment of combat and mission systems on aircraft, ships, and land vehicles, and across relevant networks in the tactical environment, for the ADF and potential adversaries



Prior to this role, Mr Heuer has over 20 years of experience in aircraft mission systems and software, on systems such as AP-3C Orion, E-7A Wedgetail AEW&C, F/A-18 Hornet and F-35 Lightning.

He spent three years with the resident project team on the upgrade of Australia's F/A-18 Hornet, giving him additional experience in Defence acquisition, working with the Defence Materiel Organisation, and with US and Canadian Government, and Defence, contractors.

PROFESSOR REN PING LIU **SCHOOL OF COMPUTING AND COMMUNICATIONS,** **UNIVERSITY OF TECHNOLOGY SYDNEY**

Professor Ren Ping Liu is at the School of Computing and Communications in University of Technology Sydney, where he leads Network Security Lab in the Global Big Data Technologies Centre. He was previously Principal Scientist at CSIRO, where he led wireless networking research activities. He specialises in network design



and modelling, and has delivered networking solutions to a number of government agencies and industry customers. Professor Liu was the winner of Australian Engineering Innovation Award and CSIRO Chairman's medal. Professor Liu is well published and his research interests include 5G spectrum sharing, resource management, IoT energy efficient design, and network security.

Professor Ren Ping Liu is the founding chair of IEEE NSW VTS Chapter and a Senior Member of IEEE. He served as TPC chair for BodyNets2015, ISCIT2015, WPMC2014, as OC co-chair for VTC2017-Spring, BodyNets2014, ICUWB2013, ISCIT2012, SenSys2007, and in Technical Program Committee in a number of IEEE Conferences. Professor Ren Ping Liu received his BE(Hon) and ME degrees from Beijing University of Posts and Telecommunications, China, and a PhD from the University of Newcastle, Australia.

PROFESSOR GERNOT HEISER

DATA61, CSIRO



Professor Heiser's main research interests are in operating systems, especially microkernel-based systems, and their use in embedded systems, OS security and robustness issues, general cyber-security, energy/power management, real-time systems and virtualization. Other interests include computer architecture, especially architectural support for operating systems.

PROFESSOR CHIN-TENG LIN,

UNIVERSITY OF TECHNOLOGY SYDNEY



Professor Chin-Teng Lin received a BS degree from National Chiao-Tung University (NCTU), Taiwan in 1986, and a Master and PhD degree in electrical engineering from Purdue University, USA in 1989 and 1992, respectively. He is currently the Chair Professor of Faculty of Engineering and Information Technology, University of Technology Sydney; Chair Professor of Electrical and Computer Engineering, NCTU; International Faculty of University of California at San-Diego (UCSD); and Honorary Professorship of University of Nottingham. Professor Lin was elevated to be an IEEE Fellow for his contributions to biologically inspired information systems in 2005, and was elevated International Fuzzy Systems Association (IFSA) Fellow in 2012. Professor Lin was the Editor-in-Chief of IEEE Transactions on Fuzzy Systems since 2011. He also served on the Board of Governors at IEEE Circuits and Systems (CAS) Society in 2005-2008; IEEE Systems, Man, Cybernetics (SMC) Society over 2003-2005; IEEE Computational Intelligence Society (CIS) in 2008-2010; and Chair of IEEE Taipei Section over 2009-2010. Professor Lin was the Distinguished Lecturer of IEEE CAS Society from 2003 to 2005, and CIS Society from 2015-2017. He served as the Deputy Editor-in-Chief of IEEE Transactions on Circuits and Systems-II in 2006-2008. Professor Lin was the Program Chair of IEEE International Conference on Systems, Man, and Cybernetics in 2005 and General Chair of 2011 IEEE International Conference on Fuzzy Systems. Professor Lin is the co-author of Neural Fuzzy Systems (Prentice-Hall), and the author of Neural Fuzzy Control Systems with Structure and Parameter Learning (World Scientific). Professor Lin is well published in the areas of neural networks, fuzzy systems, multimedia hardware/software, and cognitive neuro-engineering, including approximately 101 IEEE journal papers.

PROFESSOR PHILLIP LEONG

SCHOOL OF ELECTRICAL AND INFORMATION ENGINEERING, UNIVERSITY OF SYDNEY



Professor Phillip Leong is Professor of Computer Systems in the School of Electrical and Information Engineering at the University of Sydney. He is also a Visiting Professor at Imperial College, Visiting Professor at Harbin Institute of Technology, and Chief Technology Advisor to ClusterTech. Professor Leong received a BSc, BE, and PhD degrees from the University of Sydney. In 1993 he was a consultant to ST Microelectronics in Milan, Italy working on advanced flash memory-based integrated circuit design. From 1997-2009 he was with the Chinese University of Hong Kong.

Professor Leong was co-founder and program co-chair of the International Conference on Field Programmable Technology (FPT); program co-chair of the International Conference on Field Programmable Logic and Applications (FPL); Senior Associate Editor for ACM Transactions on Reconfigurable Technology and Systems (TRETs) and Associate Editor for IEEE Transactions on Computer Aided Design (TCAD). The author of more than 150 technical papers and five patents, Professor Leong was the recipient of the 2005 FPT conference Best Paper as well as the 2007 and 2008 FPL conference Stamatis Vassiliadis Outstanding Paper awards.

MS SARA STACE

LINK PLACE



Ms Sara Stace is known as a strategic thinker and consensus broker, with extensive knowledge about cities and urban transport. She is particularly interested in autonomous vehicles and emerging technologies that will change the planning and design of our cities.

Ms Stace founded Link Place, a consultancy specialising in urban policy and transport, and is currently working with Waverley Council on developing its future transport vision.

Ms Stace was former Director of National Urban Policy in the Australian government's Major Cities Unit and Infrastructure Australia, where she led policy development and reform for over six years. She wrote three new national policies - urban policy, urban design policy and active transport policy - and co-authored the annual State of Australian Cities reports.

Ms Stace was previously General Manager of an ASX-listed property fund, Associate Director of a multinational property consultancy, and a registered architect. She is also the co-founder of several social media startups including Humans On Bikes and the Australian Cycle Alliance.

MR DARREN CROMBIE,

DEPUTY DIRECTOR GENERAL, INFRASTRUCTURE POLICY AND PLANNING, QLD GOVERNMENT

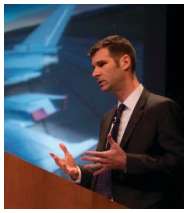


Mr Darren Crombie has 20 years' experience in the infrastructure, planning, aviation and innovation sectors, overseeing a range of strategic planning, policy and program initiatives for both the State and Federal Government.

Mr Crombie was previously a Deputy Director-General and Strategic Advisor for the Department of Science, Information Technology and Innovation. He has previously held senior executive roles in the infrastructure and economic development portfolios in the Queensland Government, and in the transport and infrastructure portfolio in the Australian Government.

Mr Crombie is currently the Queensland Director on the National Board and Vice President, Policy and Advocacy of the Planning Institute of Australia and has previously represented Australia on UN and APEC bodies.

DR PETER W SINGER THE NEW AMERICA FOUNDATION



Dr Peter W Singer is a political scientist, strategist and Fellow at New America, a bipartisan think tank, and an editor at Popular Science magazine. The Smithsonian Institute has named him as one of the nation's 100 leading innovators, he has also been named as one of the 100 most influential people in defence matters by Defense News, and has been nominated as one of the Top 100 Global Thinkers by Foreign Policy. He has also been identified as one of the ten most influential voices in the world on cybersecurity and 25th most influential minds in the field of robotics.

Peter's has produced numerous award winning books including; Corporate Warriors: The Rise of the Privatized Military Industry; Children at War, Wired for War: The Robotics Revolution and Conflict in the 21st Century; and Cybersecurity and Cyberwar: What Everyone Needs to Know. His latest is Ghost Fleet: A Novel of the Next World War, a technothriller crossed with nonfiction research, which has been endorsed by people who range from the Chairman of the Joint Chiefs, to the co-inventor of the Internet, to the writer of Game of Thrones.

His past work include serving as coordinator of the Obama-08 campaign's defence policy task force, in the Office of the Secretary of Defence, and as the founding director of the Centre for 21st Century Security and Intelligence at Brookings, where he was the youngest person named senior fellow in its 100 year history.

MR DILAN RAJASINGHAM HEAD OF EMERGING TECHNOLOGY, COMMONWEALTH BANK OF AUSTRALIA



The Emerging Technology team identifies, experiments with, and embeds, emerging technology at CBA, with the objective of ensuring CBA stays at the forefront of technology. With strong connections across the business, the Emerging Technology team focusses on big data and visualisation, cyber, identity, crypto and blockchain, smart machines such as artificial intelligence and software robotics, the Internet of Things and next-generation computers, including quantum computing. It also looks at the mesh of these technologies for business and society.

In support of this goal, Mr Rajasingham manages a series of emerging technology funds that permits the CBA to experiment with, learn from and implement emerging 'over the horizon technologies'. He also advises extensively on emerging technology strategy, building large emerging technology ecosystems around key focus areas, and leading commercialisation and investment opportunities in emerging technology. He is also a strong advocate for the use of technology in enhancing Indigenous ecosystems in Australia. Mr Rajasingham has an extensive background in strategic, IT and business architecture, has had lead roles in the implementation of billion-dollar transformation projects and has acted as strategic advisor to senior executives at CBA.

DR BRENTON COOPER CHIEF TECHNOLOGY OFFICER, DATA TO DECISION COOPERATIVE RESEARCH CENTRE



Dr Cooper has previously held a variety of technology and management roles in BAE Systems, Tenix Defence and Motorola. He has significant expertise in the application of leading edge Research and Design in the fields of defence, national security and telecommunications. Dr Cooper has delivered advanced concept demonstrators that show the value that can be extracted from large data holdings, with application to fraud detection, counter-terrorism, law enforcement and battle-space information management. He holds three international patents (granted or submitted) in areas ranging from data mining to information security. Dr Cooper has been awarded a PhD and BA (Hons) in Electronic Engineering from the University of Adelaide.

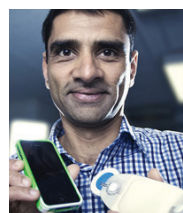
PROFESSOR MARKUS STUMPTNER ADVANCED COMPUTING RESEARCH CENTRE (ACRA), UNIVERSITY OF SOUTH AUSTRALIA



Professor Markus Stumptner is the Director of the Advanced Computing Research Centre (ACRC) and Program Lead for Data Storage and Management in the Data to Decision CRC.

Professor Stumptner's area of research sits at the junction of different computing disciplines across software engineering such as metamodeling, data and process management, and Artificial Intelligence. The underlying goal of Professor Stumptner's research is to develop high efficiency methods for modelling and constructing software systems for solving problems, typically from an industrial and organisational background. The main focus his recent research are in the areas of interoperability, integration, complex event processing, software system evolution and debugging, and emergent semantics. Typical application areas involve the autonomous enterprise, future aware business processes, asset management/plant operations, design and product configuration, as well as health and bioinformatics.

ASSOCIATE PROFESSOR VIJAY SIVARAMAN SCHOOL OF EE&T, UNIVERSITY OF NEW SOUTH WALES



Associate Professor Vijay Sivaraman is in the School of EE&T at the University of New South Wales in Sydney, Australia. His research interests include Optical Networking, packet switching and routing, network architectures, and sensor networks for the environment, healthcare and sports monitoring. Associate

Professor Sivaraman received his B Tech from the Indian Institute of Technology in Delhi, India, in 1994. Associate Professor Sivaraman has been awarded a MS from North Carolina State University and a PhD from the University of California at Los Angeles. He has also worked at Bell-Labs as a student Fellow, in a silicon valley start-up manufacturing optical switch-routers, and as a Senior Research Engineer at the CSIRO in Australia.

MR WAYNE AGUTTER

DIRECTOR STRATEGY AND EMERGING MARKERS, SAAB



Mr Wayne Agutter was educated in Adelaide, South Australia and spent his formative engineering years working in the European space industry in the United Kingdom and Germany. He held positions with British Aerospace, the European Space Agency and the International Maritime Satellite

Organisation. Since returning to Australia Mr Agutter has held positions as Director of the South Australian Centre for Parallel Computing at Adelaide University, Chief Engineer and General Manager of QuikTrak Technologies, and Chief Engineer and Engineering Manager with BAE SYSTEMS.

Mr Agutter joined Saab in 2006. He has held a number of senior executive roles including Chief Engineer, Director of Capability Development, Director of Defence Operations and General Manager, International Defence. In February 2016 he took up his current role as Director Strategy and Emerging Markets with a focus on innovation and new technology opportunities for Saab in Australia.

MR STEPHANE IBOS

CEO, MAESTRANO



Mr Stephane Ibos is CEO and co-founder of Maestrano, an innovative cloud services business management platform, launched in Australia three years ago. The company attracted funding from leading information technology heavyweights in its first six months of trading and was widely recognised as

revolutionising the way SMBs manage business systems in the cloud. Since then, Maestrano has expanded its operations in Australia, the US, the UAE, South East Asia and Europe and secured a global patent for its core technology Connec! and smart reporting Impac!. Maestrano serves SMBs and provide its technology to Enterprise customers in more than 17 countries, including PwC and National Australia Bank.

Prior to Maestrano, Mr Ibos was an Executive Manager at Thales in Australia, handling large contracts and innovation programs for the defence industry. He is a passionate entrepreneur and business leader, dedicated to innovation and disruption. Mr Ibos holds a Masters Degree from the Grande Ecole Telecom Paris Tech and three bachelors in fundamental sciences.

Mr Ibos was named one of the '30 Under 30' leaders from Anthill in 2014, was an Ernst & Young Entrepreneur of the Year finalist in 2015', and a member of the Australian delegation at the Entrepreneurs G20 in 2014 and 2015.

MR ADRIAN TURNER

CEO, DATA61, CSIRO



Mr Turner is the CEO of Data61, a CSIRO entity that is the largest data innovation group in Australia. He is a successful and influential Australian technology entrepreneur who has spent 18 years in Silicon Valley. He is also co-chair of the Australia Cyber Security Growth Network (ACSGN) and a member of the Board

of Directors for the Australian eHealth Research Centre (AeHRC). Most recently he was Managing Director and Co-Founder of Borondi Group.

Prior to this, Mr Turner was co-founder and CEO of smart phone and Internet of Things security company Mocana Corporation, had profit and loss responsibility for Philips Electronics connected devices infrastructure, and was Chairman of the Board for Australia's expatriate network, Advance.org.

Adrian is author of the eBook BlueSky Mining, Building Australia's Next Billion Dollar Industries.

ADJUNCT PROFESSOR NIGEL PHAIR

CENTRE FOR INTERNET SAFETY, UNIVERSITY OF CANBERRA



Mr Nigel Phair is an influential analyst on the intersection of technology, crime and society. He has published two acclaimed books on the international impact of cybercrime, and is a regular media commentator. He provides executive and board advice on strategy, and on risk and governance of technology. Mr Phair had

a career with the Australian Federal Police (AFP) achieving the rank of Detective Superintendent. He lead investigations at the Australian High Tech Crime Centre for four years.

He is founder and managing director of a technology 'start up' company and has chaired a number of not-for-profit organisations.

DR JAI GALLIOTT

RESEARCH FELLOW – INDO-PACIFIC DEFENCE, UNIVERSITY OF NEW SOUTH WALES



Dr Jai Galllott is a defence analyst and expert on the socio-ethical and strategic issues associated with the employment of emerging technologies, including cyber systems, autonomous vehicles and soldier augmentation technologies as they affect Australia and the world.

Dr Galllott has received competitive research funding from the Commonwealth Government, Defence Science and Technology Organisation, and the Australian Army. He served briefly as an officer of the Royal Australian Navy prior to commencing his academic career and is an associate of the Consortium on Emerging Technologies, Military Operations, and National Security (CETMONS), the Consortium for Robotics and Unmanned Systems Education and Research (CRUSER) and is a member of the Institute for Ethics and Emerging Technologies (IEET). He has spoken on defence and strategic studies at prestigious venues including Oxford University and the United Nations in Geneva, as well as for ABC Television, BBC World Service, Triple M, and The Wire. He has also written for The Sydney Morning Herald & The Canberra Times.

PROFESSOR KAI RIEMER
UNIVERSITY OF SYDNEY BUSINESS SCHOOL



Professor Kai Riemer is a specialist in Information Technology and Organisation in the Discipline of Business Information Systems. He joined the University of Sydney in August 2009 from Münster University in Germany, where he held a position as Assistant Professor. He received his Diploma in Information Systems (Dipl. Wirt-Inform) and his PhD in Management from Münster University, Germany, where he also finished his Postdoctoral thesis (Habilitation).

Professor Riemer research interests are in Disruptive Technologies, Enterprise Social Media, Virtual Work, Collaborative Technologies and the Philosophy of Technology. In one current research stream he focuses on the introduction and management of Enterprise Social Networking into organisations and the elicitation of associated benefits. The research has resulted in the development of a number of management frameworks that are widely used among practitioners in this field.

Professor Riemer has been involved in a number of successful grant applications both for research projects (funded by the European Commission) as well as for industry collaboration projects (e.g. projects with Deutsche Bahn or Daimler AG). He has been editor of a Special Issue of the E-Markets Journal on E-Collaboration, guest editor of a special issue of the International Journal of e-Collaboration on Real-time Communication and distributed work, Associate Editor of the International Conference on Information Systems, Editorial Board member of the International Journal of eCollaboration, and Member of IFIP working group 8.2.

DR DARRYN REID
DST GROUP



Dr Darryn J Reid has been with DST since 1995. He has worked in; nonlinear dynamics, parallel and distributed computation, machine learning and artificial intelligence, interoperability, formal logics, modelling, simulation, optimisation and optimal control, electronic warfare, missile targeting and control,

command support systems, hardware design, algorithmic complexity, computability, model theory, stochastic modelling, formal ontology, object-oriented and functional programming, crowd modelling, and military theory.

He holds the a Bachelor of Science in Mathematics and Computer Science, a Bachelor of Science with First Class Honours in Mathematics and Computer Science, and a PhD in Theoretical Computer Science from the University of Queensland. He has strong research interests in pure and applied mathematics, theoretical and applied computer science, philosophy, military theory and economics.

PROFESSOR RON JOHNSTON
AUSTRALIAN CENTRE FOR INNOVATION,
UNIVERSITY OF SYDNEY



Professor Ron Johnston, Executive Director of the Australian Centre for Innovation, is one of Australia's leading thinkers about the way technology shapes our future.

He was educated in Australia and the UK, and worked for many years in Europe and the US in the private sector, international organisations and universities. He has published numerous books, articles and reports, covering a broad range of issues related to science and technology policy and management.

Professor Johnston's role in Australia has been recognised by his election to the Fellowship of the Australian Academy of Technological Sciences and Engineering, and by his appointment as Deputy Chair of the Australian Science and Technology Engineering Council, Director of the Australian Commission for the Future, Trustee of the Powerhouse Museum, member of the Australian Manufacturing Council, and a member of the NSW Innovation Council. He has recently been appointed a Life Fellow of the Powerhouse Museum.

Professor Johnston has been associated with the University of Sydney for twenty years.

A large graphic on the right side of the page, transitioning from white at the top to dark blue at the bottom. It features a network of interconnected nodes and lines, with some nodes highlighted in pink. There are also several white diagonal stripes on the right edge.

dst.defence.gov.au/edtas

 #EDTAS