

Annex A –Operational Technology Cybersecurity Expert Panellists



Mr Christophe Blassiau

*Executive Member, WEF Cyber
Resilience in Electricity and Oil & Gas
Communities*

*Senior Vice President Cybersecurity &
Global CISO, Schneider Electric*

Christophe Blassiau is currently driving cybersecurity for Schneider Electric. In the context of IT/OT/IOT convergence and digital transformation at speed, he addresses Schneider Electric's cybersecurity posture for a worldwide ecosystem of customers, partners and employees. He started his career in cryptography for the French Army, and he has since been leading worldwide digital transformation programmes for over 20 years, among which the salesforce.com implementation at Schneider with 50,000 users and deploying customer digital platforms. He was also the founder and manager for 11 years of a web & digital marketing agency.



Mr Dale Peterson

Founder & Program Chair, S4 Events

*Founder & Chief Executive Officer,
Digital Bond Inc*

For over 20 years, Dale Peterson has been on the leading/bleeding edge helping security-conscious asset owners effectively and efficiently manage risk to their critical assets. He has pioneered numerous Industrial Control Systems (ICS) security tools and techniques, such as the first intrusion detection signatures for ICS that are now in every commercial product. In 2007, he created S4 Events to showcase the best offensive and defensive work in ICS security and build a community. S4 is now the largest and most advanced ICS event in the world.



Mr Eric Byres

*Chief Executive Officer, aDolus
Technology Inc*

Senior Partner, ICS Secure Ltd

Eric Byres (P.Eng, ISA Fellow) is widely recognised as one of the world's foremost experts in the field of Supervisory Control and Data Acquisition (SCADA) and Industrial Control Systems (ICS) security. As the inventor of the industry-leading Tofino Industrial Security Solution, Eric and his partner Joann guided the product through its evolution from academic research project and early-stage start-up to the successful acquisition by Belden Inc. (NYSE: BDC) in 2011. Today the Tofino product is the most widely deployed ICS-specific firewall in the world. Eric is also known for his leadership in research, international standards and best practices for data security in industrial environments. As the founder of the BCIT Critical Infrastructure Security Centre, he shaped it into one of North America's leading academic facilities in the SCADA cybersecurity, culminating in a SANS Institute Security Leadership Award in 2006.



Mr Joel Thomas Langill

*Founder & Managing Member,
Industrial Control System Cyber
Security Institute (ICCSI) LLC*

Founder, SCADAhacker

Joel Langill is a globally recognised leader in the field of industrial security focusing on advanced automation, control, and monitoring technologies. He worked for more than two decades designing automation technologies and solutions for some of the largest infrastructure projects in the world before shifting his focus entirely to cyber security. Joel was one of the first to offer a training programme focusing on defensive skills for control system engineers and is currently an adjunct professor at Texas A&M University where he teaches and works along with the RELLIS campus research facility on advanced defensive cyber operations for industrial systems. He supervises an innovative industrial control system data center built in close cooperation with solution leaders in the industrial security sector for education and new product testing and evaluation. Joel has published numerous articles on industrial security risk and mitigation, is credited with various vulnerability disclosures, has

been a distinguished speaker at public and private conferences globally, and is the co-author of the best-selling book “Industrial Network Security”.



Mr Kazuo Yamaoka

*Senior Solution Architect, NTT
Security Japan*

Kazuo Yamaoka is responsible for the development of cybersecurity architecture and consultation of OT and IoT Cyber Security. With more than 20 years of practical experience in the electric power industry, he provides practical OT cybersecurity solution development and consulting. His area of expertise covers not only utilities but also other domain’s OT/industrial automation systems in factories and plants.



Ms Maggy Powell

*Principal Industry Specialist, Amazon
Web Services*

Maggy Powell is a Security Assurance Principal Industry Specialist focused on the Power and Utility Sector. She joined Amazon Web Services after 14 years in the power & utility industry, having worked in a variety of functions - regulatory risk, environmental permitting, reliability compliance and security operations. She was responsible for leading three technical cybersecurity teams dedicated to real time systems, including security engineering, industrial control systems (ICS) security operations centre, and security & compliance. Maggy was an industry participant in NERC CIP standards development including serving as Chair on CIP Standard Drafting Teams. She is well versed in the security and compliance challenges facing power and utility customers.



Mr Marco (Marc) Ayala

*Director, ICS Cybersecurity and Sector
Lead at 1898 & Co*

Marco (Marc) Ayala is a process automation professional with over 25 years of experience working in petrochemical facilities where he designed, implemented, and maintained their process instrumentation, automation systems and process control networks. Marco has expertise with safety systems, advanced process control, enterprise historians and industrial network security where he worked with enterprise-IT to implement a corporate PCN security solution. He is active in the Oil and Gas, Maritime port, offshore facilities, and Chemical Sector cyber security efforts working alongside federal, local, and state entities for securing the private sector. Marco is a certified cyber instructor for ISA.



Ms Ong Chen Hui

*Cluster Director, BizTech Group,
Infocomm Media Development
Authority (IMDA), Singapore*

In architecting Singapore's digital future, Dr Ong Chen Hui, Cluster Director of BizTech Group at the Infocomm and Media Development Authority (IMDA), is overseeing efforts the Emerging Technology Programme, 5G innovation and IMDA role in the Research, Innovation, Enterprise (RIE2025) national industry efforts in the areas of Artificial Intelligence & Data, Communications & Connectivity and Trust Technologies. Dr Ong has over two decades of experience in cybersecurity and technology innovation. Prior to her current role at IMDA, she was the APJ Chief Technology Officer in Trustwave – a Singtel company and Principal Member of Technical Staff in DSO National Laboratories, Singapore's national defence research and development organisation. At Trustwave, she drove its vision and oversaw the execution of emerging technologies in cybersecurity. Her portfolio covered building Minimum Viable Products (MVPs), consulting and vulnerability research in Operational Technology Cybersecurity, Big Data for Telco Cybersecurity, Automotive Cybersecurity and 5G cybersecurity. Dr Ong was also a member of the committee for TR68: Technical Reference for Autonomous Vehicles and the Cybersecurity Working Group in the 2018 Services and Digital

Economy Technology Roadmap. In her earlier role as Principal Member of Technical Staff in DSO National Laboratories, she performed applied research, malware analysis, risk and vulnerability assessments. Her research work on Artificial Intelligence, Natural Language Processing and Deep Learning has been published in leading conferences.



Mr Robert Hannigan

Chairman, BlueVoyant

Robert is international Chairman of BlueVoyant, a global cyber security company specialising in supply chain risk and advanced managed security services. Robert Hannigan is a former Director of Government Communications Headquarters (GCHQ), the UK's largest intelligence and cyber security agency and established the UK National Cyber Security Centre in 2016. He retired from Government service after 20 years in national security roles, including the role of Prime Minister's Security Adviser. Robert writes on cyber, technology and national security issues in the Financial Times and is a Senior Fellow at the Belfer Center, Harvard, the Royal United Services Institute, and the Institution of Engineering and Technology, London.



Mr Robert M. Lee

CEO & Co-Founder, Dragos, Inc

Robert M. Lee is considered a pioneer in the ICS threat intelligence and incident response community. Robert serves currently on the U.S. Department of Energy's Electricity Advisory Committee, the World Economic Forum's Subcommittee on Cyber Resilience in Electricity as well as its Oil and Gas community, where he contributes as an Advisory Committee Member. A passionate educator - Robert is the course author of SANS ICS515 – "ICS Active Defense and Incident Response" with its accompanying GIAC certification GRID and lead-

author of SANS FOR578 – “Cyber Threat Intelligence” with its accompanying GIAC GCTI certification. Robert obtained his start in cyber security in the U.S. Air Force where he served as a Cyber Warfare Operations Officer tasked to the National Security Agency (NSA). He has performed defense, intelligence, and attack missions in various government organizations including the establishment of a first-of-its-kind ICS/SCADA cyber threat intelligence and intrusion analysis mission for the NSA.



Mr Zachary Tudor

Associate Laboratory Director, Idaho National Laboratory (INL)'s National and Homeland Security Science and Technology Science and Technology Directorate

Zachary (Zach) Tudor is responsible for INL’s Nuclear Nonproliferation, Critical Infrastructure Protection and Defense Systems missions. Previously, Tudor served as a Program Director in the Computer Science Laboratory at SRI International, where he supported cyber security and critical infrastructure programs such as DHS Cyber Security Division’s Linking the Oil and Gas Industry to Improve Cybersecurity (LOGIIC) consortium, and the Industrial Control System Joint Working Group R&D working group. He has served as a member of (ISC)²'s Application Security Advisory Board and the NRC’s Nuclear Cyber Security Working Group, as well as the Vice Chair of the Institute for Information Infrastructure Protection at George Washington University. He is a Professor of Practice in the Computer Science Departments of the University of Idaho and Idaho State University, is the Chair of the Board of Directors of the International Information Systems Security Certification Consortium (ISC)², and a member of the Commonwealth Cyber Initiative advisory board (Virginia).