

# IEEE CASE 2023 PROGRAMME

TIME	26/08/2023 Day 1 (Workshops/Tutorial)	27/08/2023 Day 2	28/08/2023 Day 3 (Specifically Dedicated to the late Professor Peter Luh)	29/08/2023 Day 4	30/08/2023 Day 5 (Only for those who signed up)
8:00		<b>Registration R2</b> The Great Room Lobby	<b>Registration R3</b> The Great Room Lobby	<b>Registration R4</b> The Great Room Lobby	
8:15		<b>Welcome Mihi Whakatau</b> (Steven Roberts, Kaiarataki) <b>Opening Address</b> (Prof. Dawn Freshwater, Vice-Chancellor UoA) O1 Great Room 1&2	<b>Challenges of Trustworthy AI</b> Prof. Barbara Hammer K2 Great Room 1&2	<b>Horticultural Robotics – Challenges and Opportunities, a New Zealand Perspective</b> Prof. Mike Duke K3 Great Room 1&2	
8:30					
8:45					
9:00					
9:15	<b>Registration R1</b> The Great Room Lobby	<b>Cyber-Physical Internet (CPI): Next-Generation of Resilient Logistics of Manufactured Products</b> Prof. George Q. Huang K1A Great Room 1&2	<b>Industry Panel Discussion - Opportunities and Risks in Flexible Connected Automation Systems: An Industry 4.0 Discussion</b> PD1 Great Room 1&2	<b>Panel Discussion - The Future of Automation - Impacts of AI and Beyond</b> PD2 Great Room 1&2	
9:30			RS: Automation for Manufacturing and Logistics <b>RAML-1A</b> Great Room 3	RS: Automation for Manufacturing and Logistics <b>RAML-5A</b> Great Room 3	RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>RAIM-5</b> Gallery Room 4
9:45			RS: Automation for Data Analytics <b>RADA-1</b> Great Room 4	SS: Foundations of Automation <b>SFA-2A</b> Crystal Room 2	
10:00			RS: Automation for Energy and Sustainability <b>RAES-1</b> Jade Room 3	RS: Automation for Manufacturing and Logistics <b>RAML-2A</b> Crystal Room 1	
10:15		<b>Break B2A</b>			
10:30					
10:45	Workshop 1: Workshop on Machine Learning for Automation (Dedicated to the late Professor Peter Luh) <b>WSMLA-1A</b> Great Room 1&2		<b>Break B3A</b>	<b>Break B4</b>	
11:00	Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control <b>WSPSR-1A</b> Great Room 4	Best Paper Award Session (Best Conference Paper & Best Application Paper) <b>BPAS-1A</b> Great Room 1&2	SS: Machine Learning for Automation <b>PSMLA-1A</b> Great Room 1&2	SS: Foundations of Automation <b>SFA-3</b> Great Room 1&2	Chelsea Sugar Factory Tour T1 Meeting Point Cordis Main Lobby
11:15		RS: Foundations of Automation <b>RFA-1A</b> Great Room 3	RS: Automation for Manufacturing and Logistics <b>RAML-1B</b> Great Room 3	RS: Foundations of Automation <b>RFA-5</b> Great Room 3	Nautech Electronics Factory Visit T2 Meeting Point Cordis Main Lobby
11:30		SS: Automation for Manufacturing and Logistics <b>SAML-1A</b> Great Room 4	SS: Machine Learning for Automation <b>PSMLA-2A</b> Great Room 4	RS: Automation for Manufacturing and Logistics <b>RAML-6</b> Great Room 4	Robotics and Automation Research Tour T3 Meeting Point Faculty of Engineering, Level 4, 20 Symonds Street, Auckland CBD
11:45		RS: Foundations of Automation <b>RFA-2</b> Crystal Room 1	SS: Automation for Data Analytics <b>SADA-1A</b> Jade Room 1	RS: Automation for Manufacturing and Logistics <b>RAML-7</b> Crystal Room 1	
12:00		RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>RAIM-1</b> Crystal Room 2	SS: Digital Twin - Basis for Adaptable Automation Systems <b>SDTAS-1</b> Jade Room 2	RS: Automation for Energy and Sustainability <b>RAES-2</b> Gallery Room 1	
12:15		SS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>SAM-1</b> Gallery Room 1	SS: Automation for Data Analytics <b>SADA-2A</b> Jade Room 3	SS: Smart Manufacturing Control and Optimization Towards Industry 4.0/5.0 <b>SSMO-1</b> Gallery Room 3	
12:30	<b>Lunch L1</b> The Great Rooms Pre Function Area				
12:45					
13:00		<b>Lunch L2</b> The Great Rooms Pre Function Area	<b>Lunch L3</b> The Great Rooms Pre Function Area	<b>Lunch L4</b> The Great Rooms Pre Function Area	
13:15					
13:30	Workshop 1: Workshop on Machine Learning for Automation (Dedicated to the late Professor Peter Luh) <b>WSMLA-1B</b> Great Room 1&2		SS: Machine Learning for Automation <b>PSMLA-1B</b> Great Room 1&2	<b>WIE Luncheon: Diversity in Automation Science and Engineering</b> (Separate registration) <b>WIEL1</b> Gallery Room 4	
13:45	Tutorial: Biosignals-based design approaches for the development of human-machine interfaces for shared control of computer applications and robotic devices <b>TBDAHM-1A</b> Great Room 3	<b>Digital Twins for Manufacturing Systems: Improving Productivity and Expanding Capabilities</b> Prof. Dawn Tibbory K1B Great Room 1&2	RS: Automation for Manufacturing and Logistics <b>RAML-1C</b> Great Room 3		
14:00	Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control <b>WSPSR-1B</b> Great Room 4		SS: Machine Learning for Automation <b>PSMLA-2B</b> Great Room 4	RS: Automation for Manufacturing and Logistics <b>RAML-2</b> Great Room 2	
14:15			SS: Automation for Data Analytics <b>SADA-1B</b> Jade Room 1	RS: Automation for Manufacturing and Logistics <b>RAML-3</b> Great Room 1	
14:30			RS: Automation for Data Analytics <b>RADA-2A</b> Jade Room 2	RS: Automation for Manufacturing and Logistics <b>RAML-4</b> Great Room 2	
14:45	<b>Break B1</b>	Best Paper Award Session (Best Student Paper) <b>BPAS-1B</b> Great Room 1&2	SS: Automation for Manufacturing and Logistics <b>SAML-1B</b> Crystal Room 1	RS: Automation for Manufacturing and Logistics <b>RAML-5B</b> Great Room 3	
15:00		RS: Foundations of Automation <b>RFA-1B</b> Great Room 3	SS: Automation in Life Sciences and Healthcare Systems <b>SALH-1A</b> Crystal Room 1	RS: Foundations of Automation <b>RFA-4</b> Great Room 4	
15:15		SS: Automation for Manufacturing and Logistics <b>SAML-2</b> Crystal Room 2	RS: Automation in Life Sciences and Healthcare Systems <b>RAIH-1A</b> Crystal Room 2	RS: Foundations of Automation <b>RFA-7</b> Crystal Room 1	
15:30		RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>RAIM-2A</b> Gallery Room 1		RS: Foundations of Automation <b>RFA-8B</b> Crystal Room 2	
15:45	Workshop 1: Biosignals-based design approaches for the development of human-machine interfaces for shared control of computer applications and robotic devices <b>TBDAHM-1B</b> Great Room 3			RS: Automation for Energy and Sustainability <b>SAES-1</b> Gallery Room 3	
16:00	Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control <b>WSPSR-1C</b> Great Room 4	<b>Break B2B</b>		SS: Automation for Energy and Sustainability <b>SAES-1</b> Gallery Room 3	TC Digital Manufacturing and Human-Centered Automation Meeting M4 Gallery Room 4
16:15					
16:30	Best Paper Award Session (Best Healthcare Automation Paper) <b>BPAS-1C</b> Great Room 1&2				
16:45		RS: Foundations of Automation <b>RFA-1C</b> Great Room 3	SS: Machine Learning for Automation <b>PSMLA-2C</b> Great Room 4	IEEE RAS TCs assigned to Automation Cluster Meeting M2 Gallery Room 3	
17:00		SS: Automation for Manufacturing and Logistics <b>SAML-1C</b> Great Room 4	RS: Foundations of Automation <b>RFA-3</b> Jade Room 1	RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>RAIM-3</b> Gallery Room 3	
17:15		SS: Automation in Life Sciences and Healthcare Systems <b>SALH-1B</b> Crystal Room 1	RS: Automation for Data Analytics <b>RADA-2B</b> Jade Room 2	IEEE T-ASE Meeting M3 Gallery Room 4	
17:30		RS: Automation in Life Sciences and Healthcare Systems <b>RAIH-1B</b> Crystal Room 2	SS: Foundations of Automation <b>SFA-1</b> Jade Room 3		
17:45	<b>Sponsored by: Faecon</b> Welcome Reception and Māori Culture performance <b>SE1</b> The Great Rooms Pre Function Area		SS: Automation for Manufacturing and Logistics <b>SAML-3</b> Crystal Room 1		
18:00			SS: Automation for Data Analytics <b>SADA-3</b> Crystal Room 2		
18:15			SS: Manufacturing Data Science <b>SMDS-1</b> Gallery Room 1		
18:30			RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics <b>RAIM-3</b> Gallery Room 3		
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