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	30/8/2023 Day 5 (Only for those who signed up)
8:00		**Registration** **R2** The Great Room Lobby	**Registration** **R3** The Great Room Lobby	**Registration** **R4** The Great Room Lobby	
8:15					
8:30		**Welcome Mihi Whakatau** (Steven Roberts, Kaiarataki) **Opening Address** (Prof. Dawn Freshwater, Vice-Chancellor,UoA) **O1** Great Room 1&2	**Challenges of Trustworthy AI** **Prof. Barbara Hammer** **K2** Great Room 1&2	**Horticultural Robotics – Challenges and Opportunities, a New Zealand Perspective** **Prof. Mike Duke** **K3** Great Room 1&2	
8:45					
9:00	**Registration** **R1** The Great Room Lobby	**Cyber-Physical Internet (CPI): Next-Generation of Resilient Logistics of Manufactured Products** **Prof. George Q. Huang** **K1A** Great Room 1&2	**Industry Panel Discussion -** Opportunities and Risks in Flexible, Connected Automation Systems: An Industry 4.0 Discussion **PD1** Great Room 1&2 RS:Automation for Manufacturing and Logistics **RAML-1A** Great Room 3 RS: Automation for Data Analytics **RADA-1** Great Room 4 RS: Automation for Energy and Sustainability **RAES-1** Jade Room 3 RS: Automation for Manufacturing and Logistics **RAML-2A** Crystal Room 1 SS: Foundations of Automation **SFA-2A** Crystal Room 2	**Panel Discussion** - The Future of Automation - Impacts of AI and Beyond **PD2** Great Room 1&2 RS: Automation for Manufacturing and Logistics **RAML-5A** Great Room 3 RS: Automation for Data Analytics **RADA-3** Great Room 4 SS: Foundations of Automation **SFA-4** Crystal Room 1 RS: Foundations of Automation **RFA-8A** Crystal Room 2 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-5** Gallery Room 4	
9:15					
9:30					
9:45					
10:00	Workshop 1: Workshop on Machine Learning for Automation (Dedicated to the late Professor Peter Luh) **WSMLA-1A** Great Room 1&2 Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control **WSPSR-1A** Great Room 4	**Break** **B2A**	**Break** **B3A**	**Break** **B4**	**Chelsea Sugar Factory Tour** **T1** Meeting Point Cordis Main Lobby **Nautech Electronics Factory Visit** **T2** Meeting Point Cordis Main Lobby **Robotics and Automation Research Tour** **T3** Meeting Point Faculty of Engineering, Level 4, 20 Symonds Street, Auckland CBD
10:15					
10:30					
10:45		Best Paper Award Session (Best Conference Paper & Best Application Paper) **BPAS-1A** Great Room 1&2 RS: Foundations of Automation **RFA-1A** Great Room 3 SS: Automation for Manufacturing and Logistics **SAML-1A** Great Room 4 RS: Foundations of Automation **RFA-2** Crystal Room 1 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-1** Crystal Room 2 SS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **SAIM-1** Gallery Room 1	SS: Machine Learning for Automation **PSMLA-1A** Great Room 1&2 RS:Automation for Manufacturing and Logistics **RAML-1B** Great room 3 SS: Machine Learning for Automation **PSMLA-2A** Great Room 4 SS:Automation for Data Analytics **SADA-1A** Jade Room 1 SS: Digital Twin - Basis for Adaptable Automation Systems **SDTAS-1** Jade Room 2 SS: Automation for Manufacturing and Logistics **SAML-2A** Jade Room 3 RS: Automation for Manufacturing and Logistics **RAML-2B** Crystal Room 1 SS: Foundations of Automation **SFA-2B** Crystal Room 2 RS: Automation for Energy and Sustainability **RAES-2** Gallery Room 1 SS: Smart Manufacturing Control and Optimization Towards Industry 4.0/5.0 **SSMO-1** Gallery Room 3	SS: Foundations of Automation **SFA-3** Great Room 1&2 RS: Foundations of Automation **RFA-5** Great Room 3 RS: Automation for Manufacturing and Logistics **RAML-6** Great Room 4 RS: Automation for Manufacturing and Logistics **RAML-7** Crystal Room 1 RS: Automation for Manufacturing and Logistics **RAML-8** Crystal Room 2 RS: Foundations of Automation **RFA-9** Gallery Room 1 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-4** Gallery Room 3 RS: Foundations of Automation **RFA-10** Gallery Room 4	
11:00					
11:15					
11:30					
11:45					
12:00	**Lunch** **L1** The Great Rooms Pre Function Area	**Lunch** **L2** The Great Rooms Pre Function Area **Lunch with Leaders** **LL1** Gallery Room 4	**Lunch** **L3** The Great Rooms Pre Function Area **WiE Luncheon:** Diversity in Automation Science and Engineering (Separate registration) **WIEL1** Gallery Room 4	**Award Ceremony** **AC1** Great Room 1&2 **Lunch** **L4** The Great Rooms Pre Function Area	
12:15					
12:30					
12:45					
13:00	Workshop 1: Workshop on Machine Learning for Automation (Dedicated to the late Professor Peter Luh) **WSMLA-1B** Great Room 1&2 Tutorial : Biosignals-based design approaches for the development of human-machine interfaces for shared control of computer applications and robotic devices **TBDAHMI-1A** Great Room 3 Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control **WSPSR-1B** Great Room 4	**Digital Twins for Manufacturing Systems: Improving Productivity and Expanding Capabilities** Prof. Dawn Tilbury **K1B** Great Room 1&2	SS: Machine Learning for Automation **PSMLA-1B** Great Room 1&2 RS:Automation for Manufacturing and Logistics **RAML-1C** Great Room 3 SS: Machine Learning for Automation **PSMLA-2B** Great Room 4 SS: Automation for Data Analytics **SADA-1B** Jade Room 1 RS: Automation for Data Analytics **RADA-2A** Jade Room 2 SS: Automation for Manufacturing and Logistics **SAML-2B** Jade Room 3 SS: Automation for Data Analytics **SADA-2** Crystal Room 1 SS: Foundations of Automation **SFA-2C** Crystal Room 2 RS: Foundations of Automation **RFA-4** Gallery Room 1 IEEE RAS TCs assigned to Automation Cluster Meeting **M2** Gallery Room 3	RS: Automation for Manufacturing and Logistics **RAML-3** Great Room 1 RS: Automation for Manufacturing and Logistics **RAML-4** Great Room 2 RS: Automation for Manufacturing and Logistics **RAML-5B** Great Room 3 RS: Foundations of Automation **RFA-6** Great Room 4 RS: Foundations of Automation **RFA-7** Crystal Room 1 RS: Foundations of Automation **RFA-8B** Crystal Room 2 RS: Automation for Energy and Sustainability **RAES-3** Gallery Room 1 SS: Automation for Energy and Sustainability **SAES-1** Gallery Room 3 TC Digital Manufacturing and Human-Centered Automation Meeting **M4** Gallery Room 4	
13:15					
13:30					
13:45					
14:00					
14:15					
14:30	**Break** **B1**	Best Paper Award Session (Best Student Paper) **BPAS-1B** Great Room 1&2 RS: Foundations of Automation **RFA-1B** Great Room 3 SS: Automation for Manufacturing and Logistics **SAML-1B** Great Room 4 SS: Automation in Life Sciences and Healthcare Systems **SALH-1A** Crystal Room 1 RS: Automation in Life Sciences and Healthcare Systems **RALH-1A** Crystal Room 2 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-2A** Gallery Room 1			
14:45					
15:00	Workshop 1: Workshop on Machine Learning for Automation (Dedicated to the late Professor Peter Luh) **WSMLA-1C** Great Room 1&2 Tutorial : Biosignals-based design approaches for the development of human-machine interfaces for shared control of computer applications and robotic devices **TBDAHMI-1B** Great Room 3 Workshop 2: Precise Surgical Robotics: Design, Modeling, Sensing, and Control **WSPSR-1C** Great Room 4	**Break** **B2B**	**Break** **B3B**		
15:15					
15:30					
15:45					
16:00		Best Paper Award Session (Best Healthcare Automation Paper) **BPAS-1C** Great Room 1&2 RS: Foundations of Automation **RFA-1C** Great Room 3 SS: Automation for Manufacturing and Logistics **SAML-1C** Great Room 4 SS: Automation in Life Sciences and Healthcare Systems **SALH-1B** Crystal Room 1 RS: Automation in Life Sciences and Healthcare Systems **RALH-1B** Crystal Room 2 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-2B** Gallery Room 1	SS: Machine Learning for Automation **PSMLA-2C** Great Room 4 RS: Foundations of Automation **RFA-3** Jade Room 1 RS: Automation for Data Analytics **RADA-2B** Jade Room 2 SS: Foundations of Automation **SFA-1** Jade Room 3 SS: Automation for Manufacturing and Logistics **SAML-3** Crystal Room 1 SS: Automation for Data Analytics **SADA-3** Crystal Room 2 SS: Manufacturing Data Science **SMDS-1** Gallery Room 1 RS: Automation in Meso, Micro and Nano Scale, Industrial Robotics and Mechatronics **RAIM-3** Gallery Room 3 IEEE T-ASE Meeting **M3** Gallery Room 4		
16:15					
16:30					
16:45					
17:00	***Sponsored by: Facteon*** **Welcome Reception and Māori Culture performance** **SE1** **The Great Rooms Pre Function Area**	CASE Steering Committee Meeting **M1** Gallery Room 4		***Sponsored by: Facteon*** **Farewell Reception** **SE2** **The Great Room Pre Function Area**	
17:15					
17:30					
17:45					
18:00			**Conference Dinner** **SE3** **Great Room 1&2&3**		
18:15					
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