

AIM 2018 Preliminary Technical Program – Draft

Monday, 9 July 2017	
9:00-10:15	Workshop/Tutorial Session (Morning Session) <i>A Biologically Inspired Tactile System for Robotics</i>
10:15-10:45	Morning Tea
10:45-12:00	Workshop/Tutorial Session (Morning Session, continued) <i>A Biologically Inspired Tactile System for Robotics</i>
12:00-13:00	Lunch
13:00-14:15	Workshop/Tutorial Session (Afternoon Session) <i>New Frontiers in Biomechatronics: From Brain Machine Interfaces to Assistive and Rehabilitation Robotics</i>
14:15-14:45	Afternoon Tea
14:45-16:00	Workshop/Tutorial Session (Afternoon Session, continued) <i>New Frontiers in Biomechatronics: From Brain Machine Interfaces to Assistive and Rehabilitation Robotics</i>

	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
Tuesday, 10 July 2017						
8:50-9:00	Opening Session <i>Opening remarks, welcome event: mihi mihi</i>					
9:00-9:45	Plenary Session 1 <i>Plenary Talk 1</i>					
9:45-10:30	Plenary Session 2 <i>Plenary Talk 2</i>					
10:30-11:00	Morning Tea					
11:00-13:00	Regular Session <i>Human Machine Interfaces 1</i>	Regular Session <i>Motion, Vibration and Noise Control</i>	Regular Session <i>Sensors and Sensing Systems 1</i>	Regular Session <i>Actuators 1</i>	Invited Session <i>Design and Control of Micro and Nano Precision Mechatronic Systems</i>	Regular Session <i>Image processing and machine vision</i>
13:00-14:00	Lunch					
14:00-16:40	Regular Session <i>Human Machine Interfaces 2</i>	Regular Session <i>Robot Dynamics and Control</i>	Regular Session <i>Identification and Estimation in Mechatronics 1</i>	Regular Session <i>Flexible Manipulators and Structures 1</i>	Invited Session <i>Power MEMS for Intelligent Internet of Things</i>	Regular Session <i>Artificial Intelligence and Machine Learning</i>
16:40-17:40	Afternoon Tea & Poster Session					

Wednesday, 11 July 2017						
9:15-10:00	Plenary Session 3 <i>Plenary Talk 3</i>					
10:00-10:30	Morning Tea					
10:30-12:30	Invited Session <i>Physical Human-robot Interactions and Human Assistive Systems</i>	Regular Session <i>Mobile Robots 1</i>	Regular Session <i>Sensors and Sensing Systems 2</i>	Regular Session <i>Actuators 2</i>	Regular Session <i>Micro/Nano Manipulation</i>	Invited Session <i>AI-enabled Intelligent Systems in Smart Manufacturing and Automation</i>
12:30-13:30	Lunch					
13:30-15:30	Regular Session <i>Rehabilitation Robots 1</i>	Regular Session <i>UAV</i>	Regular Session <i>Identification and Estimation in Mechatronics 2</i>	Regular Session <i>Flexible Manipulators and Structures 2</i>	Invited Session <i>Energy Harvesting for Self-powered Health Monitoring</i>	Regular Session <i>Learning and Neural Control in Mechatronics</i>
15:30-16:00	Afternoon Tea					
16:00-18:00	Regular Session <i>Rehabilitation Robots 2</i>	Regular Session <i>Vehicle Control</i>	Regular Session <i>Fault Detection and Diagnosis</i>	Regular Session <i>Pneumatic Actuated Systemss</i>	Regular Session <i>MEMS and Nano Devices</i>	Regular Session <i>Modeling, Design & Optimization in Mechatronics 1</i>
19:00-21:00	Conference Dinner at Auckland Museum					

Thursday, 12 July 2017						
9:15-10:00	Plenary Session 4 <i>Plenary Talk 4</i>					
10:00-10:30	Morning Tea					
10:30-12:30	Invited Session <i>Emerging Technologies in Bio-Mechatronic Rehabilitation Robotics</i>	Regular Session <i>Mobile Robots 2</i>	Invited Session <i>Sensing and Robotics for Coverage Optimization</i>	Regular Session <i>Actuators 3</i>	Regular Session <i>Energy Harvesting 1</i>	Regular Session <i>Path Planning, Navigation and Space Exploration</i>
12:30-13:30	Lunch					
13:30-15:30	Regular Session <i>Medical Robotics and Biomechatronic 1</i>	Regular Session <i>Underwater robotics</i>	Invited Session <i>Control, Simulation and Condition Monitoring for Electromechanical Systems</i>	Regular Session <i>Manufacturing</i>	Regular Session <i>Energy Harvesting 2</i>	Regular Session <i>Modeling, Design & Optimization in Mechatronics 2</i>
15:30-16:00	Afternoon Tea					
16:00-17:20	Regular Session <i>Medical Robotics and Biomechatronic 2</i>	Regular Session <i>Legged Robots</i>	Regular Session <i>Control Application In Mechatronics</i>	Invited Session <i>TBC</i>	Regular Session <i>TBC</i>	Regular Session <i>Modeling, Design & Optimization in Mechatronics 3</i>
17:20-17:30	Closing Session <i>Closing remarks</i>					