

AIM 2024 Technical Program Monday July 15, 2024		
Track 1	Track 2	Track 3
09:00-12:30 HAMP Workshop MoA01 Workshop 4A: Recent Advancement of Indoor Light-Thin-Air Agents (AM)	09:00-12:30 BERKELEY Workshop MoA02 Workshop 2: Exploring Recent Innovations in Motor Design and Control - Trends and Practical Insights	09:00-12:30 FAIRFAX A Workshop MoA03 Workshop 1: Future of Work in the Age of Robotics and AI
13:30-17:00 HAMP Workshop MoM01 Workshop 4B: Recent Advancement of Indoor Light-Thin-Air Agents (PM)	13:30-17:00 BERKELEY Workshop MoM02 Workshop 5: Advances of Intelligent Mechatronics - Research Landscape and Future Directions	13:30-17:00 FAIRFAX A Workshop MoM03 Workshop 3: Japan's Moonshot Goal 3 Initiative for an AI-Robots Society
18:30-20:30 CONSTITUTION BALLROOM MoEPI: Welcome Reception		

AIM 2024 Technical Program Tuesday July 16, 2024								
Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Poster
08:30-09:30 CONSTITUTION BALLROOM Plenary Session 1 TuOP: Georg Schitter - Precision Engineering in Imaging Systems								
09:30-10:15 CONSTITUTION FOYER Light Breakfast								
10:15-12:15 HAMP Invited Session TuA01 High Precision Motion Systems I	10:15-12:15 BERKELEY Regular Session TuA02 Biomechanics I	10:15-12:15 CLARENDON Regular Session TuA03 Aerial Robots	10:15-12:15 EXETER Regular Session TuA04 Actuators I	10:15-12:15 FAIRFAX B Regular Session TuA05 Machine Learning I	10:15-12:15 FAIRFAX A Regular Session TuA06 Modeling and Design of Mechatronic Systems I	10:15-12:15 Liberty AB Regular Session TuA07 Control Application in Mechatronics I	10:15-12:15 Liberty C TuA08	09:30-11:00 CONSTITUTION FOYER Poster Session TuBPo Late Breaking Results Poster I
13:30-15:30 HAMP Regular Session TuM01 Spotlight: Best Papers	13:30-15:30 BERKELEY Regular Session TuM02 Biomechanics II	13:30-15:30 CLARENDON Regular Session TuM03 Unmanned Aerial Vehicles	13:30-15:30 EXETER Regular Session TuM04 Actuators II	13:30-15:30 FAIRFAX B Regular Session TuM05 Machine Learning II	13:30-15:30 FAIRFAX A Regular Session TuM06 Modeling and Design of Mechatronic Systems II	13:30-15:30 Liberty AB Regular Session TuM07 Control Application in Mechatronics II	13:30-15:30 Liberty C TuM08 Fault Detection and Diagnosis in Manufacturing	
15:30-16:00 CONSTITUTION FOYER Coffee Break								
16:00-17:00 CONSTITUTION BALLROOM Plenary Session 2 TuPP: Jintang Yi - Motion Control of Underactuated Balance Robots								

AIM 2024 Technical Program Wednesday July 17, 2024								
Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Poster
08:30-09:30 CONSTITUTION BALLROOM Plenary Session 3 WeOP: Toshio Fukuda - AI Robots and Moon Shot Program for the Social Mega-Trend Problems								
09:30-10:15 CONSTITUTION FOYER Light Breakfast								
10:15-12:15 HAMP Regular Session WeA01 Spotlight: Best Student Papers	10:15-12:15 BERKELEY Invited Session WeA02 Compliance Control and Mechanisms for Advanced Mechatronics	10:15-12:15 CLARENDON Regular Session WeA03 Mobile Robots	10:15-12:15 EXETER Regular Session WeA04 Actuators in Mechatronic Systems I	10:15-12:15 FAIRFAX B Regular Session WeA05 Artificial Intelligence in Mechatronics I	10:15-12:15 FAIRFAX A Regular Session WeA06 Modeling and Design of Mechatronic Systems III	10:15-12:15 Liberty AB Regular Session WeA07 Control Application in Mechatronics III	10:15-12:15 Liberty C WeA08 Machine Vision	09:30-11:00 CONSTITUTION FOYER Poster Session WeBPo Late Breaking Results Poster II
13:30-15:30 HAMP Invited Session WeM01 High Precision Motion Systems II	13:30-15:30 BERKELEY Regular Session WeM02 Medical Robotics/Mechatronics	13:30-15:30 CLARENDON Regular Session WeM03 Legged Robots	13:30-15:30 EXETER Regular Session WeM04 Actuators in Mechatronic Systems II	13:30-15:30 FAIRFAX B Regular Session WeM05 Artificial Intelligence in Mechatronics II	13:30-15:30 FAIRFAX A Regular Session WeM06 Modeling and Design of Mechatronic Systems IV	13:30-15:30 Liberty AB Regular Session WeM07 Control Application in Mechatronics IV	13:30-15:30 Liberty C WeM08 Mechatronics in Manufacturing Processes	
15:30-16:00 CONSTITUTION FOYER Coffee Break								
16:00-18:00 HAMP Panel Session WeP01 Distinguished Special Session	16:00-18:00 BERKELEY Regular Session WeP02 Automotive, Transportation, and Vehicle Systems	16:00-18:00 CLARENDON Regular Session WeP03 Network Robotics and Tele-Operation	16:00-18:00 EXETER WeP04	16:00-18:00 FAIRFAX B Regular Session WeP05 Robot Dynamics and Control I	16:00-18:00 FAIRFAX A Regular Session WeP06 Modeling and Design of Mechatronic Systems V	16:00-18:00 Liberty AB Regular Session WeP07 Control Application in Mechatronics V	16:00-18:00 Liberty C WeP08	
18:30-20:30 CONSTITUTION BALLROOM WeEPI: Conference Banquet								

AIM 2024 Technical Program Thursday July 18, 2024								
Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Poster
08:30-09:30 CONSTITUTION BALLROOM Plenary Session 4 ThOP: Kamal Youcef-Toumi - High-Speed Nanoscale Imaging								
09:30-10:00 CONSTITUTION BALLROOM ThOP: Award Ceremony								
10:00-10:45 CONSTITUTION FOYER Light Breakfast								
10:45-12:45 HAMP Regular Session ThA01 Vehicle Control and Automotive Systems	10:45-12:45 BERKELEY Regular Session ThA02 Novel Industry Applications of Mechatronics	10:45-12:45 CLARENDON Regular Session ThA03 Flexible Manipulators and Structures	10:45-12:45 EXETER Regular Session ThA04 Sensor Integration, Data Fusion	10:45-12:45 FAIRFAX B Regular Session ThA05 Robot Dynamics and Control II	10:45-12:45 FAIRFAX A Regular Session ThA06 Design Optimization in Mechatronics I	10:45-12:45 Liberty AB Regular Session ThA07 Human-Machine Interfaces	10:45-12:45 Liberty C ThA08	10:00-11:30 CONSTITUTION FOYER Poster Session ThBPo Special Poster Session for IEEE/IES Students
14:00-16:00 HAMP Regular Session ThM01 Vehicle Control	14:00-16:00 BERKELEY Regular Session ThM02 Teaching, Educational Testbeds and Platforms	14:00-16:00 CLARENDON Regular Session ThM03 Planning and Navigation	14:00-16:00 EXETER Regular Session ThM04 Sensors and Sensing Systems	14:00-16:00 FAIRFAX B Regular Session ThM05 Robot Dynamics and Control III	14:00-16:00 FAIRFAX A Regular Session ThM06 Design Optimization in Mechatronics II	14:00-16:00 Liberty AB Regular Session ThM07 Fixture and Grasping	14:00-16:00 Liberty C ThM08	
18:30-20:30 View Boston ThEPI: Farewell Reception								