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Chávez, César Alejandro	Univ. Autónoma de San Luis Potosí				
Mendoza, Marco Octavio	Univ. Autónoma de San Luis Potosí				
Loreda-Flores, Ambrocio	Univ. Autonoma de San Luis Potosi				
Reyes-Cortes, Fernando	Univ. Autonoma de Puebla				
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Tayyaba, Shahzadi					Asian Inst. of Tech. (AIT), Bangkok, Thailand
Afzulpurkar, Nitin					Asian Inst. of Tech.
Asim, Nisar					Asian Inst. of Tech. (AIT), Bangkok, Thailand
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Lee, Tae-Eog	KAIST	Cabasino, Maria Paola Giua, Alessandro Seatzu, Carla	Univ. of Cagliari Univ. of Cagliari, Italy Univ. of Cagliari
14:10-14:30	MoB1.3	<b>MoB3</b> <b>Distributed Systems (Regular Session)</b>	Trinity V
<i>Event-Based Fault Detection of Manufacturing Cell: Data Inconsistencies between Academic Assumptions and Industry Practice</i> , pp. 426-432.		Chair: Tzes, Anthony Co-Chair: Copp, John	Univ. of Patras Primodal Inc.
Allen, Lindsay V. Tilbury, Dawn	Univ. of Michigan Univ. of Michigan	13:30-13:50	MoB3.1
14:30-14:50	MoB1.4	<i>Towards the Automation of Water Quality Monitoring Networks</i> , pp. 491-496.	
<i>Optimal Design of a Decoupled Multiple-Loop Pallet System for Cyclic Flexible Manufacturing Plants</i> , pp. 433-438.		Copp, John Belia, Evangelina Hübner, Christian	Primodal Inc. Primodal Inc. Inst. f. Automation und Kommunikation e.V. Magdeburg
Mashaei, Maziar Lennartson, Bengt Sannehed, Fredrik Abbestam, Goran	Chalmers Univ. of Tech. Chalmers Univ. of Tech. FlexLink AB FlexLink AB	Thron, Mario	Inst. f. Automation und Kommunikation e.V. Magdeburg
14:50-15:10	MoB1.5	Rieger, Leiv Vanrolleghem, Peter A.	EnviroSim Associates Ltd. modelEAU - Univ. Laval
<i>Utility-Based Dynamic Control of Batch Processing Systems</i> , pp. 439-444.		15:10-15:30	MoB1.6
Park, Hongsuk Banerjee, Amarnath	Texas A&M Univ. Texas A&M Univ.		

14:10-14:30	MoB3.3	<i>Exact Algorithms for Non-Overlapping 2-Frame Problem with Non-Partial Coverage for Networked Robotic Cameras</i> , pp. 503-508. Xu, Yiliang Song, Dezhen Yi, Jingang	Texas A&M Univ. Texas A&M Univ. Rutgers Univ.	<i>Real-Time Edge Detection for Automated Fibre-Mat Stitching</i> , pp. 557-562. Richtsfeld, Mario Schöffmann, Anton Vincze, Markus	Vienna Univ. of Tech. Vienna Univ. of Tech. Vienna Univ. of Tech.
14:30-14:50	MoB3.4	<i>Modified Generalized Predictive Power Control for Wireless Networked Systems with Random Delays</i> , pp. 509-514. Han, Cunwu Sun, Dehui Li, Zhijun	North China Univ. of Tech. North China Univ. of Tech. North China Univ. of Tech.	14:10-14:30 <i>Vision Inspection System for Holograms with Mixed Patterns</i> , pp. 563-567. Park, Tae-Hyoung Kwon, Hyuk-Joong	MoB5.3 Chungbuk National Univ. Samsung Electronics Co.
14:50-15:10	MoB3.5	<i>A Practical Implementation of Distributed System Control Over an Asynchronous Ethernet Network Using Time Stamped Data</i> , pp. 515-520. Anand, Dhananjay Fletcher, Jeffrey Moynes, James Li-Baboud, Ya-Shian	Univ. of Michigan Univ. of Michigan Univ. of Michigan National Inst. of Standards and Tech.	14:30-14:50 <i>Color Image Contrast Enhancement Using a Local Equalization and Weighted Sum Approach</i> , pp. 568-573. Kwok, Ngai Ming Ha, Q P Fang, Gu Rad, Ahmad Wang, Dalong	MoB5.4 Univ. of New South Wales Univ. of Tech. Sydney Univ. of Western Sydney Simon Fraser Univ. Univ. of New South Wales, Australia
<b>MoB4</b>	Bay	<b>Micro and Nano Systems (Regular Session)</b>		14:50-15:10 <i>Shape Sensing by Vision-Based Tactile Sensor for Dexterous Handling of Robot Hands</i> , pp. 574-579. Ito, Yuji Kim, Youngwoo Nagai, Chikara Obinata, Goro	MoB5.5 Nagoya Univ. Nagoya Univ. Nagoya Univ. Nagoya Univ.
		Chair: Li, Yangmin Co-Chair: Popa, Dan	Univ. of Macau The Univ. of Texas at Arlington	15:10-15:30 <i>Delaunay-Based Triangular Surface Reconstruction from Points Via Umbrella Facet Matching</i> , pp. 580-585. Ma, Ji Feng, Hsi-Yung Wang, Lihui	MoB5.6 The Univ. of British Columbia The Univ. of British Columbia Univ. of Skövde
13:30-13:50	MoB4.1	<i>Optimal Motion Control of Magnetically Levitated Microrobot</i> , pp. 521-526. Mehrtash, Moein Khamesee, Mir Behrad	Univ. of Waterloo Univ. of Waterloo	<b>MoC1</b>	Trinity I
13:50-14:10	MoB4.2	<i>Precision-Based Robot Path Planning for Microassembly</i> , pp. 527-532. Popa, Dan Das, Aditya	The Univ. of Texas at Arlington Univ. of Texas at Arlington	<b>Adaptive Manufacturing (Invited Session)</b>	
14:10-14:30	MoB4.3	<i>Automated Four-Point Probe Measurement of Nanowires Inside a Scanning Electron Microscope</i> , pp. 533-538. Ru, Changhai Zhang, Yong Sun, Yu Zhong, Yu Sun, Xueliang Hoyle, David Cotton, Ian	Soochow Univ. Univ. of Toronto Univ. of Toronto Univ. of Western Ontario Univ. of Western Ontario Hitachi High-Tech. Canada Hitachi High-Tech. Canada	Chair: Ma, Yongsheng Co-Chair: Feng, Hsi-Yung Organizer: Wang, Lihui Organizer: Feng, Hsi-Yung	Univ. of Alberta The Univ. of British Columbia Univ. of Skövde The Univ. of British Columbia
14:30-14:50	MoB4.4	<i>Characterization of Micro Forces in Pushing Flat Micro-Sized Objects</i> , pp. 539-544. Shahini, Mohsen Melek, William Yeow, John TW	Univ. of Waterloo Univ. of Waterloo Univ. of Waterloo	16:00-16:20 <i>Generative CAD and CAE Integration Using Common Data Model (I)</i> , pp. 586-591. Gujarathi, Ganesh Prakash	MoC1.1 Department of Mechanical Engineering, Univ. of Alberta Univ. of Alberta
14:50-15:10	MoB4.5	<i>Directed Motion of an Atomic Scale Engine and Stability Analysis</i> , pp. 545-550. Guo, Yi Zhang, Wenlin Wang, Zheng	Stevens Inst. of Tech. Stevens Inst. of Technology Stevens Inst. of Tech.	Ma, Yongsheng	Univ. of Alberta
<b>MoB5</b>	Trinity IV	<b>Vision and Image Processing (Regular Session)</b>		16:20-16:40 <i>Coverage Based Tool Path Planning for Automated Polishing Using Contact Stress Theory (I)</i> , pp. 592-597. Xi, FengFeng	MoC1.2 Department of Aerospace Engineering, Ryerson Univ. Ryerson Univ.
		Chair: Kwok, Ngai Ming Co-Chair: Payeur, Pierre	Univ. of New South Wales Univ. of Ottawa	16:40-17:00 <i>Development of a System for Distributed Sharing and Reuse of Design and Manufacturing Knowledge in the PFMEA Domain Using a Description Logics-Based Ontology (I)</i> , pp. 598-603. Mikos, Walter	MoC1.3 Univ. Federal de Santa Catarina Univ. Federal de Santa Catarina Univ. Federal de Santa Catarina
13:30-13:50	MoB5.1	<i>Automated Surface Deformations Detection and Marking on Automotive Body Panels</i> , pp. 551-556. Borsu, Valentin Yogeswaran, Arjun Payeur, Pierre	Univ. of Ottawa Univ. of Ottawa Univ. of Ottawa	17:00-17:20 <i>A Hybrid Approach for Dynamic Assembly Shop Floor Layout (I)</i> , pp. 604-609. Wang, Lihui Keshavarzmanesh, Shadi Feng, Hsi-Yung	MoC1.4 Univ. of Skövde The Univ. of Western Ontario The Univ. of British Columbia
13:50-14:10	MoB5.2			17:20-17:40	MoC1.5

<i>Improving Quality in Flexible Manufacturing Systems: A Bottleneck Transition Approach</i> , pp. 610-616.			
Wang, Junwen	Univ. of Kentucky	Benhabib, Beno	Univ. of Toronto
Li, Jingshan	Univ. of Kentucky	16:40-17:00	MoC3.3
Arinez, Jorge	General Motors Res. & Development Center	<i>Longitude Force Estimation for Bandwidth Conservative Communication and Vehicular Monitoring</i> , pp. 668-673.	
Billier, Stephan	General Motors Corp.	Yang, Jing	New Jersey Inst. of Tech.
17:40-18:00	MoC1.6	Chang, Timothy	New Jersey Inst. of Tech.
<i>Dispatching in Free-Choice Multiple Reentrant Manufacturing Flowlines by Using Machine-Job Incidence Matrix</i> , pp. 617-623.		Hou, Edwin	New Jersey Inst. of Tech.
Sindicic, Ivica	Exor d.o.o.	Ansari, Nirwan	New Jersey Inst. of Tech.
Bogdan, Stjepan	Univ. of Zagreb	17:00-17:20	MoC3.4
Petrovic, Tamara	Univ. of Zagreb	<i>Vehicle Interference Effects in Warehousing Systems with Autonomous Vehicles</i> , pp. 674-679.	
<b>MoC2</b> Trinity III		Krishnamurthy, Ananth	Univ. of Wisconsin-Madison
<b>Computational Intelligence</b> (Regular Session)		Roy, Debjit	Univ. of Wisconsin-Madison
Chair: Wang, Wenhui	Univ. of Canterbury	Malmberg, Charles	RPI
Co-Chair: Chaoui, Hicham	Univ. du Québec à Trois-Rivières	Heragu, Sunderesh	Univ. of Louisville
16:00-16:20	MoC2.1	17:20-17:40	MoC3.5
<i>Foundation of New Systems' Consolidity Theory Using Arithmetic Fuzzy Logic-Based Representation in Fully Fuzzy Environment</i> , pp. 624-631.		<i>Mobile Robot Path Planning Based on Shuffled Frog Leaping Optimization Algorithm</i> , pp. 680-685.	
Dorrah, Hassen Taher	Cairo Univ.	Hassanzadeh, Iraj	Univ. of Tabriz
Gabr, Walaa Ibrahim	SDA Engineering Consultants Inc.	Madani, Katayoun	Faculty of Electrical and Computer Eng., Univ. of Tabriz
Mahmoud		Badamchizadeh, Mohammad Ali	Control Eng. Dept., Faculty of Electrical and Computer Eng., Univ.
16:20-16:40	MoC2.2	17:40-18:00	MoC3.6
<i>Self Organizing Fuzzy Control of Pneumatic Artificial Muscle for Active Orthotic Device</i> , pp. 632-637.		<i>Multi-Objective Optimization for Kinematic Reconfiguration of Mobile Robots</i> , pp. 686-691.	
Chandrapal, Mervin	Univ. of Canterbury	Freitas, Gustavo	Federal Univ. of Rio de Janeiro
Chen, XiaoQi	Univ. of Canterbury	Gleizer, Gabriel	Federal Univ. of Rio de Janeiro
Wang, Wenhui	Univ. of Canterbury	Lizarralde, Fernando	Federal Univ. of Rio de Janeiro
16:40-17:00	MoC2.3	Hsu, Liu	COPPE/UFRJ
<i>Adaptive Fuzzy Logic Motion and Posture Control of Inverted Pendulums with Unstructured Uncertainties</i> , pp. 638-643.		<b>MoC4</b> Bay	
Chaoui, Hicham	Univ. du Québec à Trois-Rivières	<b>Micro-Nano Manipulation</b> (Regular Session)	
Sicard, Pierre	Univ. du Québec à Trois-Rivières	Chair: Chen, Liguó	State Key Lab. of Robotics and System, Robotics Institute, Harbin Inst. of Tech. Harbin 150080, CHINA
17:00-17:20	MoC2.4	Co-Chair: Beyeler, Felix	ETH Zurich
<i>Learning Compliance Control of Robot Manipulators in Contact with the Unknown Environment</i> , pp. 644-649.		16:00-16:20	MoC4.1
Li, Yanan	National Univ. of Singapore	<i>Precise Tracking Control of a Piezoactuated Micropositioning Stage Based on Modified Prandtl-Ishlinskii Hysteresis Model</i> , pp. 692-697.	
Yang, Chenguang	South Kensington Campus	Xu, Qingsong	Univ. of Macau
Ge, Shuzhi Sam	National Univ. of Singapore	Li, Yangmin	Univ. of Macau
17:20-17:40	MoC2.5	16:20-16:40	MoC4.2
<i>AAGLMES: A GLM Equipped Adaptive Autonomy Expert System</i> , pp. 650-655.		<i>Wafer-Level Inspection System for the Automated Testing of Comb Drive Based MEMS Sensors and Actuators</i> , pp. 698-703.	
Fereidunian, Alireza	Univ. of Tehran and Power and Water Univ. of Tech.	Beyeler, Felix	ETH Zurich
Boroomand, Farzam	Univ. of Tehran	Muntwyler, Simon	ETH Zurich
Zamani, Mohammad Ali	Univ. of Tehran	Nelson, Bradley J.	ETH Zurich
Jamalabadi, Hamidreza	Univ. of Tehran	16:40-17:00	MoC4.3
Lesani, Hamid	Univ. of Tehran	<i>Automated High-Speed Nanopositioning Inside Scanning Electron Microscopes</i> , pp. 704-709.	
Lucas, Caro	Control and Intelligent Processing Center of Excellence, Univ.	Jasper, Daniel	Univ. of Oldenburg
Afkhami, Saman	Ryerson Univ.	Fatikow, Sergej	Univ. of Oldenburg
<b>MoC3</b> Trinity V		17:00-17:20	MoC4.4
<b>Mobile Vehicles and Robots</b> (Regular Session)		<i>Nanomanipulation of Single Virus Using Dielectrophoretic Concentration on a Microfluidic Chip</i> , pp. 710-715.	
Chair: Nejat, Goldie	Univ. of Toronto	Maruyama, Hisataka	Nagoya Univ.
Co-Chair: Beyeler, Felix	ETH Zurich	Kotani, Kyosuke	Tohoku Univ.
16:00-16:20	MoC3.1	Honda, Ayae	Hosei Univ.
<i>Design of an Experimental Platform for an X-By-Wire Car with Four-Wheel Steering</i> , pp. 656-661.		Takahata, Tatsuro	Hosei Univ.
Eder, Martin	TU Munich	Arai, Fumihito	Nagoya Univ.
Knoll, Alois	TU Munich	17:20-17:40	MoC4.5
16:20-16:40	MoC3.2	<i>Active Control of Adhesion Force for Pick-And-Place of Micro Objects with Compound Vibration in Micromanipulation</i> , pp. 716-721.	
<i>On-Line Target-Motion Prediction for Autonomous Multirobot Search in Realistic Terrains with Time-Expanding Boundaries: A Novel Probabilistic Approach</i> , pp. 662-667.		Chen, Liguó	State Key Lab. of Robotics and System, Robotics Institute, H Soochow Univ. harbin Inst. of Tech.
Macwan, Ashish	Univ. of Toronto	Chen, Tao	
Nejat, Goldie	Univ. of Toronto	Sun, Lining	





<i>Manipulator Inverse Dynamics Computation on FPGA for Reconfigurable Applications</i> , pp. 810-815.		<i>Aerospace Industries</i> , pp. 861-866.	
Lin, Chun-Shin	Univ. of Missouri-Columbia	Angerer, Andreas	Univ. of Augsburg
Alapati, Pavan Kumar	Univ. of Missouri-Columbia	Ehinger, Claudia	tum
Kim, Hyongsuk	Chonbuk National Univ.	Hoffmann, Alwin	Univ. of Augsburg
11:30-11:50	TuA2.4	Reif, Wolfgang	Univ. of Augsburg
<i>CAD-Enhanced Workspace Optimization for Parallel Manipulators: A Case Study</i> , pp. 816-821.		Reinhart, Gunther	Tech. Univ. München
L. Shah, Hrishi	Univ. at Buffalo	Straßer, Gerhard	Inst. for Machine Tools and Industrial Management (iwb),Tech.
Sathia Narayanan,	Univ. at Buffalo	10:50-11:10	TuA4.2
Madusudanan		<i>Web Register Control Algorithm for Roll-To-Roll System Based Printed Electronics</i> , pp. 867-872.	
Krovi, Venkat	Univ. at Buffalo (SUNY)	Choi, Kyung-Hyun	Jeju National Univ.
11:50-12:10	TuA2.5	Tran, Trung Thanh	Jeju National Univ.
<i>MobComm: Using BDI-Agents for the Reconfiguration of Mobile Commissioning Robots</i> , pp. 822-827.		Kim, Dong-Soo	KOREA Inst. of Machinery & Materials
Angerer, Stefanie	Heriot-Watt Univ. Edinburgh	P, Ganeshthangaraj	Jeju National Univ. South Korea
Pooley, Rob	Heriot-Watt Univ. Edinburgh	Jo, Jong-Dae	KIMM
Aylett, Ruth	Heriot Watt Univ.	11:10-11:30	TuA4.3
<b>TuA3</b>	Trinity V	<i>Model-Based Design Automation and Process Automation in Titanium Sheet Metal Manufacturing</i> , pp. 873-878.	
<b>Planning, Scheduling and Coordination (Regular Session)</b>			
Chair: Murphey, Todd	Northwestern Univ.	Saunders, Glenn	Rensselaer Pol. Inst.
Co-Chair: Li, Howard	Univ. of New Brunswick	Jensen, Michael	Rensselaer Pol. Inst.
10:30-10:50	TuA3.1	Maguire, Jeffrey	Univ. of Colorado, Boulder
<i>Local Planning Using Switching Time Optimization</i> , pp. 828-834.		O'Connor, Christopher	Ducommun Aerostructures New York
Johnson, Elliot	Northwestern Univ.	Munoz, Mario	General Mills
Murphey, Todd	Northwestern Univ.	11:30-11:50	TuA4.4
10:50-11:10	TuA3.2	<i>Development of an Automatic Virtual Metrology Framework for TFT-LCD Industry</i> , pp. 879-884.	
<i>An Information Gain Based Adaptive Path Planning Method for an Autonomous Underwater Vehicle Using Sidescan Sonar</i> , pp. 835-840.		Hung, Min-Hsiung	Chinese Culture Univ.
Paull, Liam	Univ. of New Brunswick	Huang, Hsien-Cheng	National Cheng Kung Univ.
Saeedi Gharahbolagh, Sajad	Univ. of New Brunswick	Yang, Haw-Ching	National Kaohsiung First Univ. of Sci. and Tech.
Li, Howard	Univ. of New Brunswick	Cheng, Fan-Tien	National Cheng Kung Univ.
Myers, Vincent	Defence R&D Canada	11:50-12:10	TuA4.5
11:10-11:30	TuA3.3	<i>Scheduling of Steel-Making and Continuous Casting System Using the Surrogate Subgradient Algorithm for Lagrangian Relaxation</i> , pp. 885-890.	
<i>Relations Identification and Visualization for Sequence Planning and Automation Design</i> , pp. 841-848.		Sun, Liangliang	Northeastern Univ. Shenyang, China/The Univ. of Conne
Bengtsson, Kristofer	Teamster	Chai, Tianyou	Northeastern Univ. Shenyang, China
Thorstensson, Carl	Chalmers Univ. of Tech.	Luh, Peter	Univ. of Connecticut
Lennartson, Bengt	Chalmers Univ. of Tech.	<b>TuB1</b>	Trinity I
Akesson, Knut	Chalmers Univ. of Tech.	<b>Medical Automation (Regular Session)</b>	
Yuan, Chengyin	General Motors Res. & Development Center	Chair: Li, Jingshan	Univ. of Kentucky
Miremedi, Sajed	Chalmers Univ. of Tech.	Co-Chair: Hui, Qing	Texas Tech. Univ.
Falkman, Petter	Chalmers Univ. of Tech.	13:30-13:50	TuB1.1
11:30-11:50	TuA3.4	<i>Patients Assignment for an Oncology Outpatient Unit</i> , pp. 891-896.	
<i>An Iterative Auction Mechanism for Combinatorial Exchanges</i> , pp. 849-854.		Sadki, Abdellah	École Nationale Supérieure des Mines de Saint-Étienne
Biswas, Shantanu	Infosys Tech. Ltd.	Xie, Xiaolan	Ec. des Mines de Saint Etienne
Yadati, Narahari	Indian Inst. of Science	Chauvin, Franck	Inst. de Cancérologie de la Loire
11:50-12:10	TuA3.5	13:50-14:10	TuB1.2
<i>Development of a Flexible Test Platform for Household Appliance Testing Based on Mobile Agents</i> , pp. 855-860.		<i>Modeling and Analysis of Hospital Emergency Department: An Analytical Framework and Problem Formulation</i> , pp. 897-902.	
Cesetti, Andrea	Univ. Pol. delle Marche	Li, Jingshan	Univ. of Kentucky
Scotti, Clovis	Santa Catarina Federal Univ.	Howard, Patricia	Univ. of Kentucky Chandler Medical Center
Di Buñ, Gianluca	IDEA Scarl	14:10-14:30	TuB1.3
Angione, Giacomo	Loccioni Group - AEA	<i>Towards Virtual Instruments for Cardiovascular Health-Care: Real-Time Modeling of Cardiovascular Dynamics Using Electrocardiogram (ECG) Signals</i> , pp. 903-910.	
Lattanzi, Luca	Gruppo Loccioni	Le, Trung	Oklahoma State Univ.
Cristalli, Cristina	Loccioni Group - AEA	Bukkapatnam, Satish	Oklahoma State Univ.
Longhi, Sauro	Univ. Pol. delle Marche	Sa-ngasoongsong, Akkarapol	Oklahoma State Univ.
<b>TuA4</b>	Bay	14:30-14:50	TuB1.4
<b>Material Processing Automation (Regular Session)</b>			
Chair: Cheng, Fan-Tien	National Cheng Kung Univ.	<i>Optimal Control of Bio-Attack Induced Infectious Disease Dynamics: The Case of Anthrax</i> , pp. 911-916.	
Co-Chair: Sun, Liangliang	Northeastern Univ. Shenyang, China/The Univ. of Connecticut, CT, U.S.A		
10:30-10:50	TuA4.1		
<i>Automated Cutting and Handling of Carbon Fiber Fabrics in</i>			

Hui, Qing	Texas Tech. Univ.	Tao, Yi	Sun Yat-sen Univ.
14:50-15:10	TuB1.5	14:30-14:50	TuB3.4
<i>A Novel Drowsiness Detection Scheme Based on Speech Analysis with Validation Using Simultaneous EEG Recordings</i> , pp. 917-921.		<i>Risk-Averse Outsourcing Strategy for Optimal Intellectual Property Protection</i> , pp. 978-983.	
Dhupati, Swathi	INDIAN Inst. OF Tech. KHARAGPUR, INDIA	Kim, Baejin	Univ. of Michigan
Kar, Sibsambhu	INDIAN Inst. OF Tech. KHARAGPUR, INDIA	Hamza, Karim	Univ. of Michigan
Rajaguru, Aparna	INDIAN Inst. OF Tech. KHARAGPUR, INDIA	Saitou, Kazuhiro	Univ. of Michigan
Routray, Aurobinda	INDIAN Inst. OF Tech. KHARAGPUR, INDIA	14:50-15:10	TuB3.5
		<i>Virtual Production Control System</i> , pp. 984-989.	
		Yang, Haw-Ching	National Kaohsiung First Univ. of Sci. and Tech.
		Hung, Min-Hsiung	Chinese Culture Univ.
		Cheng, Fan-Tien	National Cheng Kung Univ.
		Chen, Ying-Liang	National Cheng Kung Univ. the Inst. of Manufacturing E
<b>TuB2</b>	Trinity III	<b>TuB4</b>	Bay
<b>Autonomous Systems (Regular Session)</b>		<b>Modeling and Optimization (Regular Session)</b>	
Chair: Nejat, Goldie	Univ. of Toronto	Chair: Julius, Agung	Rensselaer Pol. Inst.
Co-Chair: Li, Howard	Univ. of New Brunswick	Co-Chair: Heragu, Sunderesh	Univ. of Louisville
13:30-13:50	TuB2.1	13:30-13:50	TuB4.1
<i>A Real-Time Visual Action-Recognition Framework for Time-Varying-Geometry Objects</i> , pp. 922-927.		<i>Control of Continuous-Time Markov Chains with Safety Upper Bounds</i> , pp. 990-993.	
Mackay, Matthew	Univ. of Toronto	Hsu, Shun-Pin	National Chung-Hsing Univ.
Fenton, Robert	Univ. of Toronto	13:50-14:10	TuB4.2
Benhabib, Beno	Univ. of Toronto	<i>A Model-Based End-To-End Toolchain for the Probabilistic Analysis of Complex Systems</i> , pp. 994-1000.	
13:50-14:10	TuB2.2	Pinto, Alessandro	United Tech. Res. Center, Inc.
<i>Geometric Integration of Impact During an Orbital Docking Procedure</i> , pp. 928-932.		Krishnamurthy, Sudha	UTRC
Gibson, Corrina	Univ. of Colorado, Boulder	Kannan, Suresh	Georgia Inst. of Tech.
Murphey, Todd	Northwestern Univ.	14:10-14:30	TuB4.3
14:10-14:30	TuB2.3	<i>Stochastic Optimization of Hydro-Thermal System with Annual Water Consumption Constraints</i> , pp. 1001-1006.	
<i>On-Board AUV Autonomy through Adaptive Fins Control</i> , pp. 933-939.		Qi, Yiping	Tsinghua Univ.
Seto, Mae	Defence R&D Canada	Chen, Xi	Tsinghua Univ.
Li, Howard	Univ. of New Brunswick	14:30-14:50	TuB4.4
14:30-14:50	TuB2.4	<i>Trajectory-Based Controller Design for Hybrid Systems with Affine Continuous Dynamics</i> , pp. 1007-1012.	
<i>Collision Avoidance for Nonholonomic Mobile Robots among Unpredictable Dynamic Obstacles Including Humans</i> , pp. 940-947.		Julius, Agung	Rensselaer Pol. Inst.
Zeng, Lingqi	McMaster Univ.	14:50-15:10	TuB4.5
Bone, Gary	McMaster Univ.	<i>Aggregated State Dynamic Programming for Operating Theater Planning</i> , pp. 1013-1018.	
14:50-15:10	TuB2.5	Liu, Ya	Xi'an Jiaotong Univ.
<i>A Hierarchical Reinforcement Learning Based Control Architecture for Semi-Autonomous Rescue Robots in Cluttered Environments</i> , pp. 948-953.		Chu, Chengbin	Ec. Centrale Paris
Doroodgar, Barzin	Univ. of Toronto	Wang, Kanliang	Xi'an Jiaotong Univ.
Nejat, Goldie	Univ. of Toronto		
15:10-15:30	TuB2.6		
<i>An Active Light Sensory System for 3D Mapping of Unknown Cluttered Environments</i> , pp. 954-959.			
Mobedi, Babak	Univ. of Toronto		
Nejat, Goldie	Univ. of Toronto		
<b>TuB3</b>	Trinity V		
<b>Supply Chain Logistics (Regular Session)</b>			
Chair: Braun, Martin	Intel Corp.		
Co-Chair: Tao, Yi	Sun Yat-sen Univ.		
13:30-13:50	TuB3.1		
<i>Performance Evaluation of a Multi-Product System with Setups and Dynamic Scheduling Policies</i> , pp. 960-965.			
Feng, Wei	Tsinghua Univ.		
Zheng, Li	Tsinghua Univ.		
Na, Li	Shanghai Jiaotong Univ.		
13:50-14:10	TuB3.2		
<i>A Mixed Logical Dynamic Model Predictive Control Approach for Handling Industrially Relevant Transportation Constraints</i> , pp. 966-971.			
Braun, Martin	Intel Corp.		
Shear, Joanna	Intel Corp.		
14:10-14:30	TuB3.3		
<i>A New Packing Heuristic Based Approach for Vehicle Routing Problem with Three-Dimensional Loading Constraints</i> , pp. 972-977.			
Wang, Fan	Sun Yat-sen Univ.		