

IEEE SMC'19 PROGRAM DRAFT (draft update 10.09.2019)

Workshop/Tutorial program

DAY 0 - SUNDAY, OCTOBER 6

Time	Room 3	Room 8	Room 10	Room 11	Room 12	Room 13	Room 14	The Roof
8:00-18:00	Registration Desk Open							
8:30-10:30	Parallel Session I							
	International workshop on Smart Mobility in Future Cities: The Apulia Industry Summit	Advanced Techniques for Smart Control in Nuclear Fusion Machines	Sustainable Production Automation	Adversarial Examples for Robust Learning Systems: Concepts, Theory, and Applications	Symbiotic Autonomous Systems in Smart-Cities and Industry 4.0	Autonomous Unmanned Systems Techniques Applied to Underwater Robotics	Statistical Methods for Information Fusion System Design and Performance Evaluation	BMI workshop
10:30-11:00	Coffe Break							
11:00-13:00	Parallel Session II							
	International workshop on Smart Mobility in Future Cities: The Apulia Industry Summit	Advanced Techniques for Smart Control in Nuclear Fusion Machines	Sustainable Production Automation	A Tutorial on Multi-concept Optimization	Symbiotic Autonomous Systems in Smart-Cities and Industry 4.0	Autonomous Unmanned Systems Techniques Applied to Underwater Robotics	Standardization of Neural Interface Research to Accelerate Interoperability, Clinical Integration, and Commercialization of Neurotechnologies	BMI workshop
13:00-14:00	Lunch Break							
14:00-16:00	Parallel Session III							
	International workshop on Smart Mobility in Future Cities: The Apulia Industry Summit	2019 IEEE SMC Workshop on Blockchain and Knowledge Automation		Introduction to the Lab Streaming Layer (LSL)	Symbiotic Autonomous Systems in Smart-Cities and Industry 4.0	Opening the Black Box: An Activity-Driven Workshop on Explainable AI	Intelligent Computing: Time to Gather Stones	BMI workshop
16:00-16:30	Coffe Break							
16:30-18:30	Parallel Session IV							
	International workshop on Smart Mobility in Future Cities: The Apulia Industry Summit	The 3rd IEEE SMC Workshop on Social Computing and Social Intelligence		Introduction to the Lab Streaming Layer (LSL)	The E-CARGO model and Role-Based Collaboration: A Decade's Review	Opening the Black Box: An Activity-Driven Workshop on Explainable AI	Applying Systems Thinking to Industry 4.0	BMI workshop
08:30-18:30	BOARD of GOVERNOR meeting - Glass Haus (Gazebo)							

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Submission number per room

DAY 1 - MONDAY, OCTOBER 7 (part I)

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8
8:00-18:00	Registration Desk Open							
9:00-09:15	Opening Ceremorny							
9:15-10:15	PLENARY ROOM - Keynote Lecture Professor Fei-Yue Wang							
10:15-10:45	Coffe Break							
Parallel Sessions I								
10:45-12:45	Explainable Artificial Intelligence for Industry 4.0 (49m96) 392-607-760-980-1188-1234 Chair: Li Li, José Maria Alonso	Cyber-Physical Cloud Systems 156-612-727-1226-1265-1298	Computational Collective Intelligence I (i3954) 320-387-562-670-1013-1059	Industry 4.0 and Optimization 498-572-872-962-1273-1288	Distributed Adaptive Systems (174w7) 140-146-163-183-577-997	Information Systems for Design and Marketing (9v7q4) 546-596-684-702-1055-1148	BMI Session #1 BCI tools, techniques and metrics (Chairs: TBD) 519-555-600-700-1061-1258	BMI Session #2 Brain-Inspired Cognitive Systems (Chairs: Yingxu Wang and Henry Leung) 215-692-721-879-1001-1050
12:45-14:00	Lunch Break							
Parallel Sessions II								
14:00-16:00	Computational Models of Cognition and Situated Behavior in Cyber-Physical-Human Systems (g3wn3) 269-432-540-1147-1278	Semantic Cyber-Physical Systems for Industry 4.0 (i44xj) 113-157-464-631-907-1326	Computational Collective Intelligence II (i3954) 374-406-564-645-874-1182	Smart cities: buildings, logistics and transportation systems (2cr11) 580-1196-1327-1328-1335-1338	Multi-Robot Systems Interacting with Humans (8v67u) 107-130-164-220-443-974	The Future of Systems Engineering (7775t) 505-508-553-781-1045-INCOSE	Actionable Pattern-Driven Analytics and Artificial Intelligence Techniques (5yppw) 357-739-793-801-934-1100	Predictive Analytics in Healthcare (644s9) 300-324-367-399-402-424
16:00-16:30	Coffe Break							
Parallel Sessions III								
16:30-18:50	Workshop:Socio-Affective Technologies: an interdisciplinary approach 16:00-20:00	Evaluating and Modeling of Kansei (18ef6) 239-446-449-714-1064-1072-1062	Quantum Cybernetics and Machine Learning (7vmi8) 277-302-401-485-716-815-1271	Cyber Modern Technology On Medicine, Health Care And Human Assist (87tc8) 144-201-241-244-1155-1318-784	Robotics and Intelligent Sensing (h84b2) 148-152-626-703-816-817-1115	Joint INCOSE-SMCS Panel on the Future of Systems Engineering	BMI Session #3 Neurotechnologies in the clinic: Tools, Technologies and Applications (Chairs: Tiago H. Falk, Francisco Fraga, and Claudio Babiloni) 334-554-604-710-772-1081-1193	BMI Session #4 Deep Learning and Transfer Learning for Brain--Machine Interface (Chairs: Tim Mullen, Dongrui Wu, Yufei Huang, and Christian Kothe) 1228-1247-1082-1007-861-671
Registration Desk Open								

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Submission number per room

DAY 1 - MONDAY, OCTOBER 7 (part II)

Time	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Cassiopea Foyer	The Roof	
8:00-18:00	Registration Desk Open								
9:00-09:15	Opening Ceromorny								
9:15-10:15	PLENARY ROOM - Keynote Lecture Professor Fei-Yue Wang								
10:15-10:45	Coffe Break								
Parallel Sessions I									
10:45-12:45	Logistics Informatics Engineering and Industrial Security Systems I (883kc) 1289-268-203-231-321-342	Cyber-Medical Systems I (2hd4y) 8-111-125-158-255-327	Adaptation and Personalization in Human-Robot Interaction (2xuhn) 884-961-1156-1201-1257-1300	Artificial Intelligence in Sustainable Production Automation (cb72m) 520-566-869-893-984-1080	Homeland Security: Tools and Methodologies (1ut18) 423-636-723-1123-1192-1218	Robotic Systems (I) 168-297-310-447-1251-1291	POSTER SESSION SYSTEMS SCIENCE & ENGINEERING (I) 124-137-143-191-247- 251	hackathon	
12:45-14:00	Lunch Break								
Parallel Sessions II									
14:00-16:00	Logistics Informatics and Industrial Security Systems II 688-937-988-1026-1106-1181	Cyber-Medical Systems II (2hd4y) 492-570-606-643-813-1018	Intelligent Learning in Control Systems I (7mwqn) 114-117-204-323-370-490	The New Boundaries of Environmental, Territorial and Building Risk Analysis (ft73c) 482-726-1019-1021-1023-1135	Conflict Resolution (b6r45) 376-605-672-761-973-1321	Robotic Systems (II) 681-768-771-863-932-970	POSTER SESSION SYSTEMS SCIENCE & ENGINEERING (II) 141-307-758-902-1032-331	Special event: BMI keynote #1 (Maria Chiara Carrozza, title "TBD") and hackathon presentations	
16:00-16:30	Coffe Break								
Parallel Sessions III									
16:30-18:50	Collaborative Technologies and Applications (r9udc) 194-195-395-408-507-854-1227	Computational Cybernetics I (25bsm) 121-337-474-1203-488-527-825	Intelligent Learning in Control Systems II (7mwqn) 450-589-675-1027 Imperfect Dynamical Systems (c6415) 574-749-1087	Dynamics and Anticipation in Interactive Systems (48n3h) 422-646-751 Junior Track 375-523-1137-1305	Preference modelling based on multicriteria decision making models and behavioural issues (1g47c) 142-414-521-769-786-789-798	Robotic Systems (III) 561-571-823-981-1091-1119-1269	POSTER SESSION CYBERNETICS (I) 196-303-472-548-1141-1205	Special event: hands-on demo session	
Coffe Break									

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DAY 2 - TUESDAY, OCTOBER 8 (part I)

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8
8:00-18:00	Registration Desk Open							
9:00-10:00	PLENARY ROOM - Keynote Lecture Professor Spyros Reveliotis							
10:00-10:30	Coffe Break							
Parallel Sessions I								
10:30-12:30	Intelligence Computing and its Applications (j679u) 123-252-379-581-705-928	Distributed Intelligent Systems 898-965-976-1016-1312-1331	High-Dimensional and Sparse Data Analysis and Knowledge Discovery I (u5pcm) 528-900-903-905-908-909	Cooperative Systems 119-510-759-848-1215-1286	Discrete Event Systems and Petri Nets (I) 281-455-573-628-630-720	Human Machine Interfaces and Haptics (e963c) 413-674-676-695-883-1008	Model-based Systems Engineering 339-731-744-803-995-1183	Innovative Computational Intelligence and Real-World Applications (57b9k) 293-419-830-841-1077-1104
12:30-13:45	CASSIOPEA ROOM: WOMEN Lunch							
Parallel Sessions II								
13:45-15:45	Swarm Intelligence and Autonomous Systems 115-160-187-306-697-1210 Chair: Yingxu Wang	Smart grid under high penetration of renewables and generation integrated energy storages (7rf5q) 407-452-459-469-598-994	High-Dimensional and Sparse Data Analysis and Knowledge Discovery II (u5pcm) 558-576-750-767-914-1320	Emerging Control Techniques for Mechatronic and Transportation Systems (gy2ix) 276-282-238-289-316-434	Discrete Event Systems and Petri Nets (II) 916-944-983-985-1015-1074	Human Machine Interfaces and Haptics II (e963c) 542-704-1165-1253-1268-1317	Soft Computing: Data Driven Approach for Bio-medical and Healthcare (kc652) 102-362-588-951-964-1191	Proactive Healthcare Systems (9jiwm) 94-537-650-738-811-897
15:45-16:15	Coffe Break							
Parallel Sessions III								
16:15-18:15	PLENARY ROOM: FOUNDER'S FORUM						BMI Session #6 BMIs enabled by shared control: principles and applications (Chairs: Luca Tonin and Serafeim Perdakis) 155-330-563-842-1127-1232	BMI Session #5 Recent advances in SSVEP based BCI systems (Chairs: Ivan Volosyak) 409-470-582-722-797-1168
19:30-23:00	Conference Banquet							

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DAY 2 - TUESDAY, OCTOBER 8 (part II)

Time	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Cassiopea Foyer	The Roof
8:00-18:00	Registration Desk Open							
9:00-10:00	PLENARY ROOM - Keynote Lecture Professor Spyros Reveliotis							
10:00-10:30	Coffe Break							
Parallel Sessions I								
10:30-12:30	Human-Computer Interaction 993-1006-1068-1069-1075-1200	Granular Computing (697pg) 150-719-737-929-1097-1153	Fractional-order systems modeling: New trends and perspectives (j16t1) 497-513-629-1163 Water-based Optimization (ui4s4) 484-1102	Best conference papers 226-291-165-184-702-537	Decision Support Systems 216-338-373-620-627-660	Fractional-order control: Design and implementation problems and solutions (pf3mh) 420-512-586-599-1238	POSTER SESSION HUMAN-MACHINE SYSTEMS - BMI 837-838-881-978-998-1086 - 1088-1189-1287	special event: BMI keynote #2 (Febo Concotti, title "TBD") and panel: Combining AI, and robotics and neurotechnologies for next generation interfaces
12:30-13:45	CASSIOPEA ROOM: WOMEN Lunch							
Parallel Sessions II								
13:45-15:45	Evaluating and Modeling of Kansei (18ef6) 1073-1313 Intelligent Internet Systems (p32q3) 132-440-448-1342	Granular Computing II (697pg) 226-1159-1185 Imaging, Cell Phone, Security Applications 134-601-1339	Decision Support Systems 216-338-373-620-627-660	Best conference student papers 241-396-1082-124-222-976	Decision Support Systems based on Soft computing techniques (jhd29) 569-906-1089-1101-1149-1245	Virtual and Augmented Reality Systems 305-641-718-778-891-1150	POSTER SESSION SYSTEMS SCIENCE & ENGINEERING (III) 304-351-352-637-693-819-850	special event: industry panel and industry-student Speed Mentorship session
15:45-16:15	Coffe Break							
Parallel Sessions III								
16:15-18:15		Meeting for the best brain confrence paper Tiago	IEEE P2814 Working Group meeting	Meeting for the best conference paper	Hossam.Gaber@uoit.ca meeting for SMC 2020			BMI Session #7 BCIs for Immersive Environments: Augmented Reality, Virtual Reality and more (Chairs: Felix Putze, Dean Krusienski, and Sergi Bermúdez i Badia) 583-766-1211-556-1256-941
19:30-23:00	Conference Banquet							

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DAY 3 - WEDNESDAY, OCTOBER 9 (part I)

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8
8:00-18:00	Registration Desk Open							
Parallel Sessions I								
9:00-11:10	Deep Models for Intelligent Understanding (78t6d) 593-617 User Interface Design 138-234-845-1248	Machine Learning (I) 1044-1131-1212-1244-1322	Fuzzy Systems and their applications 106-271-579-796-888-1301	Knowledge Acquisition in Intelligent 131-230-368-595-1036-1057 Chair: Garry Jacobs	Neural Networks and their Applications (I) 870-133-428-438-545-591	Image Processing/Pattern Recognition (I) 256-260-291-301-425-820 Chair: Basabi Chakraborty	Computational Cybernetics II (25bsm) 110-431-1012-1282-1138-1197	Shared Control under the Human Factors Loop (vj8gp) 162-208-217-219-221-253
11:00-11:30	Coffe Break							
11:30-12:30	PLENARY ROOM - Keynote Lecture Professor Zofia Lukszo							
12:30-13:45	Lunch Break							
Parallel Sessions II								
13:45-15:45	Assistive Technology (I) 154-405-489-522-809-499	Machine Learning (II) 475-481-810-844-880-923	Workshop FUTURE 4.0	Intelligent Assistants and Advisory Systems 127-273-894 Blockchain technologies 609-860-1152	Neural Networks and their Applications (II) 632-652-847-856-952-1343	Image Processing/Pattern Recognition (II) 202-458-977-996-1140-1207	BMI Session #8 Neurorehabilitation Applications of Brain-Machine interfaces (Chairs: Ning Jiang and Yiwen Wang) 177-624-664-1340-1114-1051	BMI Session #9 Artifact correction and channel selection for BCIs (Chairs: TBD) 248-381-403-610-939-1133
15:45-16:15	Coffe Break							
Parallel Sessions III								
16:15-18:15	Assistive Technology & Team Performance and Training Systems 336-890-1299-1302-1307-1284	Human Computer/Machine Cooperation & Kansel Engineering 808-839-882-1066-1230-1235	Workshop FUTURE 4.0		Neural Networks and their Applications (III) 611-990-1145-1154-1255-1065	Virtual and Augmented Reality Systems 242-416-509 Information Visualization 359-503	BMI Session #11 Multimodal Brain/Body-Machine Interfaces for "in-the-Wild" Experiments (Chairs: Mark Parent and Tiago H. Falk) 227-479-495-787-979-1259	BMI Session #12 Real-world applications of BCI systems (Chairs: Alexander Heilinger, Christoph Guger, and Ivan Volosyak) 756-454-662-411-1198
19:00-20:00	Farewell Reception							

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DAY 3 - WEDNESDAY, OCTOBER 9 (part II)

Time	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Cassiopea room	The Roof
8:00-18:00	Registration Desk Open							
Parallel Sessions I								
9:00-11:10	Optimization 198-780-812-1048-1071-1173	Human-Machine Interface (I) 225-280-328-396-433-515	Smart urban Environments 223-457-653-658-764-936	Computational Intelligence (I) 182-189-585-707-750-765	Machine Vision 361-691-740-1095-1266	Model-based Systems Engineering 467-616-640-677-724-746	Poster Session HUMAN MACHINE 124-167-486-1024	special events: industry keynote (Amy Kruse, title "Human 2.0: Neurotechnology Enabled Performance Enhancement") and late-breaking abstract poster presentations
11:00-11:30	Coffe Break							
11:30-12:30	PLENARY ROOM - Keynote Lecture Professor Zofia Lukszo							
12:30-13:45	Lunch Break							
Parallel Sessions II								
13:45-15:45	Optimization and Algorithms 417-821-1202-1213-1224-1231	Human-Machine Interface (II) 538-665-755-913-927-957	Modelling and Algorithms 757-1126-1254 Human factors 762-1029-1250	Computational Intelligence (II) 828-840-853-862-953-1164	Affective Computing 799-394-663-701-779-930	Human Performance Modeling 283-347-834-1180-1292-1311	Poster Session CYBERNETICS (II) 972-1041-1142-1166-1187-1246-1334	BMI Session #10 Neuroadaptive Technologies and Passive BCIS (Chairs: Thorsten Zander, Laurens Krol, and Tim Mullen) 621-729-1136-578-345-1252
15:45-16:15	Coffe Break							
Parallel Sessions III								
16:15-18:15		Human-Machine Interface and Cooperation 288-462-1037-1085-1194	Intelligent Learning in Control Systems 190-222-917 Cybernetics for Informatics 666-1264	Shared Control under the Human Factors Loop (vj8gp) 165-261-1139 Human Centered Transportation System (4j2iq) 178-717	Systems 776-858-1020-1176-1279			BMI Session #13 Brain connectivity and neuronal system identification: theory and applications to brain state decoding (Chairs: Tim Mullen and Stefan Haufe) 170-439-473-514-515-852-1325
19:00-20:00	Farewell Reception							