

# SMC 2016 Hotel Intercontinental

## October 8 Saturday

	Panorama I	Panorama II	Panorama III	Panorama IV	Panorama V	Duna Salon II	Duna Salon III	Duna Salon IV	Ballroom I	Ballroom II	Ballroom III
09.00-18.00										Brain Hackathon	

## October 9 Sunday

	Panorama I	Panorama II	Panorama III	Panorama IV	Panorama V	Duna Salon II	Duna Salon III	Duna Salon IV	Ballroom I	Ballroom II	Ballroom III		
08.30													
9:00-10:30	Tutorial I Automatic Affective and Task Analysis for Wearable Computing			Tutorial III Cognitive Phase Transitions in the Cerebral Cortex: Brain Imaging Experiments, Graph Theory Models, and Engineering Applications	Workshop Women in Engineering (I)		Tutorial IV Human-Machine Interaction	Big Data based Technological Innovations on Intelligent Health Service in the Clouds (I)	BoG Meeting	Brain Hackathon	IEEE Standards		
10:30-11:00													
11:00-12:30	Tutorial I Automatic Affective and Task Analysis for Wearable Computing			Tutorial III Cognitive Phase Transitions in the Cerebral Cortex: Brain Imaging Experiments, Graph Theory Models, and Engineering Applications	Workshop Women in Engineering (II)		Tutorial IV Human-Machine Interaction	Big Data based Technological Innovations on Intelligent Health Service in the Clouds (II)					IEEE Standards
12:30-13:30	Lunch*												
13:30-16:00	IEEE Standards (breakout room)					BMI Tutorial I Mobile BCI application: Neuroscience-based design and neurorehabilitation	Tutorial V Honest Evaluations of Shared Human Machine Control Systems	Tutorial II New Ways to Look at Similarity and Association Measures and the Methods of their Construction					IEEE Standards
15:30-18:00	IEEE Standards (breakout room)					BMI Tutorial II Why bother with advanced modeling in BCI? Lessons from neuroimaging	Tutorial V Honest Evaluations of Shared Human Machine Control Systems	Tutorial II New Ways to Look at Similarity and Association Measures and the Methods of their Construction					
18:30-21:00	Welcome reception												

\* Lunch is self-covered

## October 10 Monday

	Panorama I	Panorama II	Panorama III	Panorama IV	Panorama V	Duna Salon II	Duna Salon III	Duna Salon IV	Ballroom I	Ballroom II	Ballroom III
08:00									Opening Ceremony		
08:30-10:30									Panel dedicated to John von Neumann "a Pioneer of Modern Computer Science"		
10:30-11:00	Coffee break										
11:00-12:00									Keynote Talk I Jose Carmena: Brain-machine interface systems: learning to act in the cyber-physical world		
12:00-13:30	Lunch										
13:30-14:15	Pattern Recognition and Image Processing (I)				Medical Mechatronics (I)	Modern Technology on Medicine, Health Care and Human Assist (I)	Intelligent Internet Systems (I)	Big Data Analytics	SMC Junior Keynote (I)	IEEE President's talk: BMI Opening, Disruptive Innovations as a Vehicle to Develop Critical Thinking, Creativity and Innovation Skills, IEEE President Barry Shoop	
14:15-15:00									SMC Junior Keynote (II)	BMI Panel-Important Topics in Designing and Building Real World BMI Systems	
15:00-15:30	Coffee break										
15:30-16:15	Pattern Recognition and Image Processing (II)				Medical Mechatronics (II)	Modern Technology on Medicine, Health Care and Human Assist (II)	Intelligent Internet Systems (II)	Human Centered Transportation Systems (I)	Interactive and Wearable Computing and Devices	BMI Invited Speaker - Jose del R. Millan Neuroprosthetics: The Role of the Brain's Error Monitoring System	
16:15-17:00										Founders Session (I) From Research to Scientific Breakthroughs to Improving the Lives of People: Six Unique Paths	
17:00-18:30	Enterprise Information Systems				Intelligent Transportation Systems	Modern Technology on Medicine, Health Care and Human Assist (III)	Human-Machine Cooperation and Systems and Intelligent Internet Systems	Collaborative Wireless Sensor Networks and Internet of Things		Founders session (II) From Research to Scientific Breakthroughs to Improving the Lives of People: Six Unique Paths	
18:30-									BMI Reception		

## October 11 Tuesday

	Panorama I	Panorama II	Panorama III	Panorama IV	Panorama V	Duna Salon II	Duna Salon III	Duna Salon IV	Ballroom I	Ballroom II	Ballroom III
08:00-09:00										Keynote Talk II Nikola Kasabov: Spiking Neural Networks ...	
09:00-09:30	Coffee break										
09:30-11:00	BMI papers - Neuroscience Based Design: Fundamentals and Applications				BMI Papers - Adaptive and Self-Calibrating BMI Systems for Independent Use	Intelligent Learning in Control Systems (I)	Best Paper Award	Proactive Healthcare Systems (I)	BMI Papers - Health and Non-Invasive Wearable BMI		
11:00-11:45	Pattern Recognition and Image Processing (III)				Intelligent Computing and Innovative Applications (I)	Intelligent Learning in Control Systems (II)	Best Paper Student Award	Proactive Healthcare Systems (II)	BMI Invited speaker-Paul Sajda Neural Correlates of the "Aha" Moment: Enabling Brain-Computer Interfaces for Labeling Our Environment	Intelligent Internet of Things	Junior Systems Science & Engineering (I)
11:45-12:30									BMI Panel-How Research and Methodologies in Systems, Human-Machine Systems, and Cybernetics can be Applied to BMI		
12:30-14:00	Lunch										
14:00-15:30	Pattern Recognition and Image Processing (IV)				Intelligent Computing and Innovative Applications (II)	Junior Systems Science & Engineering (II)	Decision Support Systems (I)	Collaborative Technologies and Applications (III)	IEEE Brain Initiative Meeting	Innovative Computational Intelligence, Learning Representation of Data, and Industrial Applications	Matrix Analysis and Feature Learning for Multimedia Understanding (II)
17:00-18:00	Horse Show										
18:00-19:00	Award Ceremony										
19:00-21:00	Conference Dinner										

## October 12 Wednesday

	Panorama I	Panorama II	Panorama III	Panorama IV	Panorama V	Duna Salon II	Duna Salon III	Duna Salon IV	Ballroom I	Ballroom II	Ballroom III
08:00-09:00										Keynote Talk III Huijun Gao: Networked Control Systems with...	
09:00-09:30	Coffee break										
09:30-11:00	BMI Papers - Real World Applications of Brain Computer Interface Systems (I)				BMI Papers - BMI for Motor/Cognitive Rehabilitation and Assistance (I)	BMI Papers - Performance Metrics and Human Factors for BMI Training and Operation	Robotics, Human Machine Interface, and Haptics (III)	Infrastructure Systems and Services	BMI Papers - BMI for Neurodriving		
11:00-12:30	BMI Papers - Real World Applications of Brain Computer Interface Systems (II)				BMI Papers - BMI for Motor/Cognitive Rehabilitation and Assistance (II)	Tensor Product Applications	Robotics, Human Machine Interface, and Haptics (IV)	Junior Systems Science & Engineering (III)	BMI Papers - Multi-modal Brain Computer Interface and Physiological Computing	BMI Papers - Brain and Human-Machine Interaction	Junior-Cybernetics in Applied Sciences (I)
12:30-14:00	Lunch										
14:00-15:30	BMI Papers - Real World Applications of Brain Computer Interface Systems (III)				Grey System Theory and Application (I)	Model-based Healthcare (I)	Complexity and Complex Systems in Computational Cybernetics (I)	Junior Human-Machine Systems (I)	BMI Invited speakers (Sensors Council)-"Sensor Technologies for Multimodal Brain Interfacing"	BMI Papers - Recent Advances in BMI Speller	Machine Learning with Big Data
15:30-16:00	Coffee break										
16:00-16:45	Networked Systems and Networked Control (I)				Grey System Theory and Application (II)	Model-based Healthcare (II)	Complexity and Complex Systems in Computational Cybernetics (II)	Junior Human-Machine Systems (II)	BMI Invited speaker-Andrew F. Laine Quantitative Imaging Informatics in Cost Effective PET Imaging	Junior Cybernetics	Conflict Resolution (I)
16:45-17:30									BMI Closing Panel I-What Have We Learned, Where Do we Go from Here		
17:30-18:15	Networked Systems and Networked Control (II)	Decision Support Systems (II)	Pattern Recognition and Image Processing (V)	Decision Support Systems (III)	Grey System Theory and Application (III)	Decision Support Systems based on Multicriteria Methods	Recent advances in intelligent image and video analysis	Advanced Methods and Applications for Increasing Control Systems Reliability, Safety and Security	BMI Closing Panel II-What Have We Learned, Where Do we Go from Here	Human Performance Modeling	Conflict Resolution (II)
18:15-19:00									Strategic Roadmap Discussion for BMI: Audience Participation		

# SMC 2016 Hotel Sofitel

October 10 Monday

	Bellevue 1	Bellevue 2	Bellevue 3	Academy 3	Academy 4
<b>1200-1330</b>	<b>Lunch</b>				
<b>1330-1500</b>	Knowledge-based and Intelligent Control Solutions for Medical Cyber-Physical Systems (I)	Granular Computing (I)	Cybermatics for Cyber-enabled Worlds (I)	Intelligent Vehicle Systems and Control (I)	Robotic Systems (I)
<b>1500-1530</b>	<b>Coffee break</b>				
<b>1530-1700</b>	Knowledge-based and Intelligent Control Solutions for Medical Cyber-Physical Systems (II)	Granular Computing (II)	System Modeling and Control (I)	Intelligent Vehicle Systems and Control (II)	Robotic Systems (II)
<b>1700-1830</b>	Computational Collective Intelligence	Model-Based Systems Engineering	System Modeling and Control (II)	Intelligent Vehicle Systems and Control (III)	Matrix Analysis and Feature Learning for Multimedia Understanding (I)

October 11 Tuesday

	Bellevue 1	Bellevue 2	Bellevue 3	Academy 3	Academy 4
<b>0900-0930</b>	<b>Coffee break</b>				
<b>0930-1100</b>	Computational Awareness (I)	Discrete Event and Hybrid Systems	Intelligent Power and Energy Systems (I)	Shared Control (I)	Collaborative Technologies and Applications (I)
<b>1100-1230</b>	Computational Awareness (II)	Machine Vision and Evolutionary Computation	Intelligent Power and Energy Systems (II)	Shared Control (II)	Collaborative Technologies and Applications (II)
<b>1230-1400</b>	<b>Lunch</b>				
<b>1400-1530</b>	Computational Awareness (III)	Optimization	Cybermatics for Cyber-enabled Worlds (II)	Human Factors	Human-Machine Cooperation and Systems
<b>1700-1800</b>	<b>Horse Show</b>				
<b>1800-1900</b>	<b>Award Ceremony</b>				
<b>1900-2100</b>	<b>Conference dinner</b>				

October 12 Wednesday

	Bellevue 1	Bellevue 2	Bellevue 3	Academy 3	Academy 4
<b>0900-0930</b>	<b>Coffee break</b>				
<b>0930-1100</b>	Human-Computer Interaction	BMI Papers - Machine Learning Methods for Brain-Computer Interfacing (I)	BMI Papers - Neurostimulation and BMI	Evolutionary Computation	Distributed Adaptive Systems
<b>1100-1230</b>	Soft Computing (I)	BMI Papers - Machine Learning Methods for Brain-Computer Interfacing (II)	BMI Papers - Sensor Systems for BMI and Prosthetics	Medical Imaging Analytics and Systems Solutions (I)	Better Artificial Intelligence Methods for Bigger Data Mining (I)
<b>1230-1400</b>	<b>Lunch</b>				
<b>1400-1530</b>	Soft Computing (II)	Distributed Adaptive Systems and Biometric systems	Better Artificial Intelligence Methods for Bigger Data Mining (II)	Junior-Cybernetics in Applied Sciences (II)	Behavior Modeling for Intelligent Human-Agent Interactions (I)
<b>1530-1600</b>	<b>Coffee break</b>				
<b>1600-1730</b>	Soft Computing (III)	Machine Learning	Robotics, Human Machine Interface, and Haptics (I)	Medical Imaging Analytics and Systems Solutions (II)	Behavior Modeling for Intelligent Human-Agent Interactions (II)
<b>1730-1900</b>	Logistics Informatics and Knowledge Acquisition in Intelligent	Intelligent Media and New-Generation Software	Robotics, Human Machine Interface, and Haptics (II)	Human Centered Transportation Systems (II)	Neural Networks and Applications

## Poster Sessions

<b>SMC 2016 Hotel Intercontinental</b>		
<b>October 10 Monday</b>		
	Poster Spot 1	Poster Spot 2
1200-1330	Lunch	
1330-1500	Poster Session I1	Poster Session I2
1500-1530	Coffee break	
1530-1700	Poster Session I3	Poster Session I4
1700-1830		
1830-	BMI Reception	
<b>October 11 Tuesday</b>		
	Poster Spot 1	Poster Spot 2
0900-0930	Coffee break	
0930-1100	Poster Session I5	Poster Session I6
1100-1230	Poster Session I7	
1230-1400	Lunch	
1400-1530		
1700-1800	Horse Show	
1800-1900	Award Ceremony	
1900-2100	Conference Banquett	
<b>October 12 Wednesday</b>		
	Poster Spot 1	Poster Spot 2
0900-0930	Coffee break	
0930-1100	Poster Session I8	Poster Session I9
1100-1230	Poster Session I10	Poster Session I11
1230-1400	Lunch	
1400-1530	Poster Session I12	Poster Session I13
1530-1600	Coffee break	
1600-1730		

<b>SMC 2016 Hotel Sofitel</b>		
<b>October 10 Monday</b>		
	Poster Spot 1	Poster Spot 2
1200-1330	Lunch	
1330-1500	Poster Session S1	Poster Session S2
1500-1530	Coffee break	
1530-1700	Poster Session S3	Poster Session S4
1700-1830		
<b>October 11 Tuesday</b>		
	Poster Spot 1	Poster Spot 2
0900-0930	Coffee break	
0930-1100	Poster Session S5	Poster Session S6
1100-1230	Poster Session S7	
1230-1400	Lunch	
1400-1530		
1700-1800	Horse Show	
1800-1900	Award Ceremony	
1900-2100	Conference dinner	
<b>October 12 Wednesday</b>		
	Poster Spot 1	Poster Spot 2
0900-0930	Coffee break	
0930-1100	Poster Session S8	Poster Session S9
1100-1230	Poster Session S10	Poster Session S11
1230-1400	Lunch	
1400-1530		
1530-1600	Coffee break	
1600-1730		
1730-1900		