

Sunday - September 4, 2016

	Entrance level	Room: Bartok	Corridors	Aula	Room: Mozart
8:00 - 8:30	<i>Registration</i>	School organizer: Péter Fürjes, Hungarian Academy of Sciences, HU Advisors: Arnaldo d'Amico, IT Pasqualina M. Sarro, NL			
8:30 - 10:00		Wouter Olthuis: Electrochemical sensing and examples		<i>Exhibition setup</i>	
10:00 - 10:30					<i>Coffee break (School)</i>
10:30 - 12:00		József Prechl: Biomolecular recognition elements and their application in biosensors			<i>Exhibition setup</i>
12:00 - 13:30				<i>Exhibition setup</i>	<i>Sandwich lunch (School)</i>
13:30 - 15:00		Giampaolo Zuccheri: Nanotechnology for biosensors in healthcare			<i>Exhibition setup</i>
15:00 - 15:30					<i>Coffee break (School)</i>
15:30 - 17:00		Roland Pohle: Sensor based breath analysis for non-invasive prevention, diagnosis, disease monitoring and care			
17:00 - 18:30					
17.00 - 20:00	Welcome reception - Budapest Congress Center Aula				



EUROSENSORS2016 Conference
Program schedule
September 4-7, 2016 Budapest

www.eurosenors2016.eu

Monday - September 5, 2016

	Entrance level	Session room 1 PATRIA	Session room 2 BARTOK	Session room 3 LISZT	Session room 4 LEHAR	Corridors	Aula			
8:00 - 8:30	Registration	<p style="text-align: center;">Opening</p> <p>Session chair: István Bársony, Hungarian Academy of Sciences, Hungary</p> <p>PLENARY Mike McShane: From Wearables to Implantables: Enabling Next-Generation Health Monitoring (ML.PLENARY-1)</p> <p>PLENARY Yutaka Nonomura: Sensors for automobiles and Upcoming Technologies (ML.PLENARY-2)</p> <p>Session chair: Gábor Battistig, Hungarian Academy of Sciences, Hungary</p> <p>PLENARY John Baekelmans: The role of sensing in Cisco's Digital Ceiling (ML.PLENARY-3)</p> <p>PLENARY Thomas Maeder: LTCC and thick-film ceramic magnetic sensors for tokamak nuclear fusion (ML.PLENARY-4)</p>				Exhibition and posters	Exhibiton			
8:30 - 9:00										
9:15 - 10:00										
10:00 - 10:45										
10:45 - 11:15			Coffee break	Coffee break						
11:15 - 12:00										
12:00 - 12:45			Exhibition and posters	Exhibiton						
12:45 - 14:00			Lunch break	Lunch + Exhibition opening						
14:00 - 14:20			<p style="text-align: center;">Chemical sensors I. Gas sensors</p> <p>Session chairs: Jean-Paul Viricelle, Ecole des Mines de Saint-Etienne, Centre SPIN, France</p> <p>Wojtek Wlodarski, RMIT University, School of Engineering, Australia</p>	<p style="text-align: center;">Actuators</p> <p>Session chairs: Ulrich Schmid, TU Wien, Austria</p> <p>Zoltán Kántor, Balluff Elektronika Kft., Hungary</p>	<p style="text-align: center;">Microfluidics I. Processes</p> <p>Session chairs: Andreas Hierlemann, ETH Zürich, Switzerland</p> <p>Zbigniew Brzózka, Warsaw University of Technology, Poland</p>			<p style="text-align: center;">Embedded Systems</p> <p>Session chairs: Vittorio Ferrari, University of Brescia, Italy</p> <p>Christofer Hierold, ETH Zurich, Switzerland</p>	Exhibition and posters	Exhibiton
14:20 - 14:40			ML.CHM-1-8507	ML.ACT-1-8077	ML.FLU-1-8399			ML.EMB-1-8455		
14:40 - 15:00	ML.CHM-2-8546	ML.ACT-2-8163	ML.FLU-2-8140	ML.EMB-2-8594						
15:00 - 15:20	ML.CHM-3-8144	ML.ACT-3-8250	ML.FLU-3-8258	ML.EMB-3-8438						
15:20 - 15:40	ML.CHM-4-8298	ML.ACT-4-8545	ML.FLU-4-8420	ML.EMB-4-8394						
15:40 - 16:10	ML.CHM-5-8623	ML.ACT-5-8072	ML.FLU-5-8277	ML.EMB-5-8473						
15:40 - 16:10	<i>MKeynote.CHM-6-8009</i>	ML.ACT-6-8154	<i>MKeynote.FLU-6-8207</i>	ML.EMB-6-8107						
16:10 - 16:45	<p>Session chair: István Bársony, Hungarian Academy of Sciences, Hungary</p>				Coffee break	Coffee break				
					Session chairs: Gábor Harsányi, Attila Bonyár					

16:45 - 18:30

Information on EU funding programs
Telma Carvalho: ERC - Funding opportunities in Europe for creative minds from anywhere in the world
Willy Van Puybroeck: Sensors Enabling Smart Systems: Giving Sense to EU Support
Romano Hoofman: Europractice services and the first user stimulation program

18:30 - 20:00

Social program at downtown Budapest - Organ concert at St. Anna church

Poster session 1.
Chemical/Biochemical sensors

Tuesday - September 6, 2016

8:00 - 8:30	Entrance level	Session room 1 PATRIA	Session room 2 BARTOK	Session room 3 LISZT	Session room 4 LEHAR	Corridors	Aula	
8:30-10:50	<i>Registration</i>	Chemical sensors II. <i>Optical readout</i> Session chairs: Andreas Schütze, Saarland University, Lab for Measurement Technology, Germany Giorgio Sberveglieri, University of Brescia, Sensor Laboratory, Italy	Physical sensors I. <i>Magnetic sensors</i> Session chairs: Alexey Vasiliev, National research center Kurchatov Institute, Russia Chavdar S. Roumenin, Institute of Systems Engineering and Robotics at Bulgarian Academy of Sciences, Bulgaria	Special session: Automotive sensors I. <i>Engine</i> Session chairs: Wilhelm Frey Bosch, Automotive Electronics, Germany Yutaka Nonomura, Meijo University, Japan	Theory and modeling I. <i>Piezo</i> Session chairs: Ralf Lucklum, Otto-von-Guericke-University Magdeburg, Germany Jürgen Wöllenstein, Institut für Mikrosystemtechnik - IMTEK, Germany	Exhibition and posters	Exhibition	
8:30 - 8:50		TL.CHM-7-8274	TL.PHY-1-8166	TL.AUTO-1-8506	TL.THE-1-8109			
8:50-9:10		TL.CHM-8-8445	TL.PHY-2-8074	TL.AUTO-2-8295	TL.THE-2-8357			
9:10 - 9:30		TL.CHM-9-8518	TL.PHY-3-8637	TL.AUTO-3-8600	TL.THE-3-8236			
9:30 - 9:50		TL.CHM-10-8472	TL.PHY-4-8238	TL.AUTO-4-8508	TL.THE-4-8615			
9:50-10:10		TL.CHM-11-8527	TKeynote.PHY-5-8273	TL.AUTO-5-8044	TL.THE-5-8265			
10:10 - 10:40				TKeynote.AUTO-6-8652				
10:40 - 11:10						<i>Coffee break</i>	<i>Coffee break</i>	
11:10 - 11:30			Chemical sensors III. <i>Electroanalytical sensing</i> Session chairs: Anita Lloyd Spetz, Linköping University, Sweden Roland Pohle, Siemens AG, CT RDA SII CPS-DE, Germany	Physical sensors II. <i>Piezo, SAW</i> Session chairs: Philippe Robert, CEA LETI MINATEC, France Walter Lang, University of Bremen, IMSAS, Germany	Special session: Automotive sensors II. <i>Vehicle</i> Session chairs: Paddy J French, TU Delft, EI-EWI, Netherlands Stefan Luby, Institute of Physics, Slovak Academy of Sciences, Slovakia	Theory and modeling II. <i>Design</i> Session chairs: Joshua Lee, City University of Hong Kong, China Anna Górecka Drzazga, Wrocław University of Science and Technology, Poland	Exhibition and posters	Exhibition
11:30 - 11:50			TL.CHM-12-8627	TL.PHY-6-8571	TL.AUTO-7-8568	TL.THE-6-8397		
11:50 - 12:10		TL.CHM-13-8448	TL.PHY-7-8212	TL.AUTO-8-8341	TL.THE-7-8583			
12:10 - 12:30		TL.CHM-14-8519	TL.PHY-8-8110	TL.AUTO-9-8205	TL.THE-8-8183			
12:30 - 13:00		TL.CHM-15-8385	TL.PHY-9-8642	TL.AUTO-10-8152	TL.THE-9-8058			
12:50 - 14:00		TKeynote.CHM-16-8133	TL.PHY-10-8620	TL.AUTO-11-8551	TL.THE-10-8292			
14:00 - 16:00		Chemical sensors IV. <i>Biochemical sensors I.</i> Session chair: Chiara Ingrassio CNR-IPCF, Italy Peter A Lieberzeit University of Vienna, Austria	Physical sensors III. <i>Mechanical</i> Session chair: Jan Dziuban, Wrocław University of Science and Technology, Poland Marc F Uth, Dräger AG & Co. KGaA, Technology & IP, Germany	Packaging and system integration Session chair: Pasqualina M. Sarro, TU Delft, Netherlands Thomas Maeder, EPFL, Swiss Federal Institute of Technology, Switzerland	Theory and modeling III. <i>Oscillation</i> Session chair: Bernhard Jakoby, Johannes Kepler University Linz, Austria János Mizsei, Budapest University of Technology and Economics, Hungary	Exhibition and posters	Exhibition	
14:00 - 14:20		TL.CHM-17-8490	TL.PHY-11-8572	TL.PCK-1-8099	TL.THE-11-8564			
14:20 - 14:40		TL.CHM-18-8216	TL.PHY-12-8604	TL.PCK-2-8278	TL.THE-12-8614			
14:40 - 15:00		TL.CHM-19-8417	TL.PHY-13-8434	TL.PCK-3-8126	TL.THE-13-8391			
15:00 - 15:20		TL.CHM-20-8359	TL.PHY-14-8602	TL.PCK-4-8366	TL.THE-14-8075			
15:20 - 15:40		TL.CHM-21-8443	TL.PHY-15-8170	TL.PCK-5-8091	TL.THE-15-8065			
15:40 - 16:00		TL.CHM-22-8293			TL.THE-16-8234			
16:00 - 16:30						<i>Coffee break</i>	<i>Coffee break</i>	
16:30 - 18:15						Session chairs: Gábor Harsányi, Attila Bonyár Poster session 2. <i>Physical sensors</i>		
19:00 - 22:00	Conference dinner - Europa boat							

Wednesday - September 7, 2016

	Entrance level	Session room 1 PATRIA	Session room 2 BARTOK	Session room 3 LISZT	Session room 4 LEHAR	Corridors	Aula	
8:00 - 8:30								
8:30 - 10:40	Registration	<p>Special session: Sensors for healthcare I. <i>Physical</i></p> <p>Session chairs: Jordi Fonollosa, Institute for Bioengineering of Catalonia, Spain Bob Puers, KULeuven, ESAT-MICAS, Netherlands</p>	<p>Materials and Processes I.</p> <p>Session chairs: Anton Koeck, Materials Center Leoben Forschung GmbH, Austria Ravinder Dahiya, University of Glasgow, UK</p>	<p>Accuracy</p> <p>Session chairs: Wouter Olthuis, University of Twente, MESA+ Institute for Nanotechnology, Netherlands Laura K Frisk, Tampere University of Technology, Finland</p>	<p>Optical I.</p> <p>Session chairs: Rafat Walczak, Wrocław University of Science and Technology, Poland Frank A. Stam, Tyndall National Institute, Micro & Nano Systems Centre, Ireland</p>	Exhibition and posters	Exhibiton	
8:30 - 8.50		WL.HLTH-1-8409	WL.PRO-1-8629	WL.ACC-1-8131	WL.OPT-1-8235			
8.50-9.10		WL.HLTH-2-8261	WL.PRO-2-8182	WL.ACC-2-8196	WL.OPT-2-8349			
9:10 - 9:30		WL.HLTH-3-8534	WL.PRO-3-8511	WL.ACC-3-8038	WL.OPT-3-8333			
9:30 - 9.50		WL.HLTH-4-8128	WL.PRO-4-8618	WL.ACC-4-8408	WL.OPT-4-8057			
9.50-10.10		WL.HLTH-5-8048	WL.PRO-5-8429	WL.ACC-5-8049	WL.OPT-5-8151			
10:10 - 10:40		WKeynote.HLTH-6-8650			WL.OPT-6-8510			
10:40 - 11:10						Coffee break	Coffee break	
			<p>Special session: Sensors for healthcare II. <i>Biochemical</i></p> <p>Session chairs: Stefan Zimmermann, Leibniz Universität Hannover, Germany Mike McShane, Texas A&M University, USA</p>	<p>Materials and Processes II.</p> <p>Session chairs: Julian W Gardner, Warwick University, School of Engineering, UK Franz Laermer, Robert Bosch GmbH, Corporate Research, Germany</p>	<p>Microfluidics II. <i>Systems</i></p> <p>Session chairs: Christophe Pijolat, Ecole des Mines de Saint-Etienne, Centre SPIN, France Michiel Vellekoop, University of Bremen, Germany</p>	<p>Optical II.</p> <p>Session chairs: Janine Riedrich-Moeller, Robert Bosch GmbH, Germany János Volk, Hungarian Academy of Sciences, Hungary</p>	Exhibition and posters	Exhibiton
11:10 - 11:30		WL.HLTH-7-8087	WL.PRO-6-8061	WL.FLU-7-8316	WL.OPT-7-8203			
11:30 - 11:50	WL.HLTH-8-8430	WL.PRO-7-8383	WL.FLU-8-8063	WL.OPT-8-8314				
11:50 - 12:10	WL.HLTH-9-8423	WL.PRO-8-8644	WL.FLU-9-8159	WL.OPT-9-8332				
12:10 - 12:30	WL.HLTH-10-8411	WL.PRO-9-8014	WL.FLU-10-8363	WL.OPT-10-8562				
12:30 - 13:00	WKeynote.HLTH-11-8651	WL.PRO-10-8202	WL.FLU-11-8355	WL.OPT-11-8512				
12:50 - 14:00					Lunch break	Lunch break		
14:00 - 16:00		<p>Chemical sensors V. <i>Biochemical sensors 2.</i></p> <p>Session chairs: Corrado di Natale, Iniversity of Roma, Italy Maximilian Fleischer, Siemens AG, Germany</p>	<p>ENIAC INCITE project open session</p> <p>Project leader: Katia Donato, Philips Electronics, Netherland Session organizer: Péter Fűrjes, Hungarian Academy of Sciences, Hungary</p>	<p>FP7 PIEZOMAT project open session</p> <p>Project leader: Antoine Viana, CEA LETI, France Session organizer: János Volk, Hungarian Academy of Sciences, Hungary</p>	<p>FP7 SENSIndoor project open session</p> <p>Project leader: Andreas Schütze, Saarland University, Germany Session organisers: Andreas Schütze, Saarland University Anita Lloyd Spetz, Linköping University and University of Oulu</p>	Exhibition and posters	Exhibiton	
14:00 - 14:20	WL.CHM-23-8194							
14:20 - 14:40	WL.CHM-24-8382							
14:40 - 15:00	WL.CHM-25-8215							
15:00 - 15:20	WL.CHM-26-8324							
15:20 - 15:40	WL.CHM-27-8176							
15:40 - 16:00	WL.CHM-28-8498							
16:00 - 16:30		Closing ceremony						