Wahlvorschlag ExCom IEEE Austria Section Wahl 2014

Position Statement

Das sich zur Wahl stellende Team besteht aus hochmotivierten Technikern und Managern, die national und international intensivste Erfahrung in IEEE und anderen Gremien und Vereinigungen sammeln durften. Die Ziele der kommenden ExCom Periode sind die Stärkung der Netzwerkrolle der IEEE Austria Section, dem Austausch zwischen Industrie und Academia, sowie die intensive Unterstützung der erfolgreichen Aktivitäten der Student Branches.

Chair

Dr. Peter Palensky
AIT Austrian Institute of Technology GmbH
palensky@ieee.org

Peter Palensky, born 1972 in Austria, does research on intelligent energy systems. He worked as a research assistant from 1997 until 2001 at the Vienna University of Technology (VUT), Institute of Computer Technology (ICT), where he lead and conducted industrial projects in the area of Information Technology (IT) for Energy Systems. 2001, after his PhD on Distributed Artificial Intelligence for Demand Side Management he co-founded Envidatec GmbH, a Hamburg-based, innovative SME that delivers Energy Services like remote metering, consumption analysis and energy benchmarking. The basis for their services are distributed sensor networks, Internet gateways and server software, developed during his time at the VUT.

2002 he became University Assistant (i.e. Assistant Professor) at the VUT and started - beside other classes - teaching “Microcomputer Architecture” (undergraduate) and “Distributed Systems” (graduate). He supervised Master Theses, mentored PhD Theses and continued acquiring and leading projects like EU- or nationally funded research projects. He is active in several international standardization committees like ISO, IEEE and CEN, mainly in the area of automation networks, and is associate editor for the IEEE Transactions on Industrial Informatics. His main research fields are automation networks, distributed systems, embedded systems, cognitive systems, home and building automation and energy management.

In 2008 he joined the Lawrence Berkeley National Laboratory for 6 months research on wide area distributed energy management systems and demand response technology. After that, he became associate Professor at the University of Pretoria (UP), South Africa, Department of Electrical, Electronic and Computer Engineering, teaching “Informations Security” (graduate course that spans from number theory to firewalls) and “Design and Manufacturing'” (undergraduate course for life-cycle embedded systems design).

August 2009 he became head of the business unit for Sustainable Buildings Technologies (SBT) at the Austrian Institute of Technology (AIT), Energy Department, leading a 35-head team doing research in the area of intelligent and sustainable buildings and cities. In 2011 he was appointed the first

Principal Scientist of the AIT, the highest scientific role at the institute. Within this role, he leads a team of high-profile researchers, doing research on complex energy systems.

Vice-Chair
Dr. Michael Heiss
Siemens AG
m.heiss@ieee.org

Michael Heiss is Principal for Open Innovation and Scouting at Siemens AG where he is globally responsible for the Open Innovation Networks and is Technology Scout in selected strategic fields of interest.

Already 1999 Michael Heiss established the Siemens Social Media Platform TechnoWeb with the focus of networking technological knowledge across organizational and geographic borders and speeding up innovation. Today TechnoWeb is globally used at Siemens (currently in more than 80 countries). In the same year also the Technology Scouting Network was initiated by Michael Heiss.

He studied Electrical Engineering in Vienna, made a post-doc at MIT, started his industry career at Bosch and is since 1996 with Siemens in various leading positions for Knowledge, Innovation and Technology Management.

He is also associate professor (Univ.-Doz.) at the University of Technology Vienna (since 1995) and Chair of the IEEE Technology Management Council, Chapter Central Europe (since 2007).

Treasurer
Dr. Thilo Sauter
Danube University Krems
thilo.sauter@donau-uni.ac.at

Thilo Sauter is involved in research in smart sensors and industrial communication systems. Born in 1967, he received his diploma and doctorate degrees in electrical engineering from the Vienna University of Technology (VUT) in 1992 and 1999, respectively. From 1992 to 1996 he was a research assistant at the Institute of General Electrical Engineering, working in the area of programmable logic and analog ASIC design. From 1996 on, he has been with the Institute of Computer Technology as a University Assistant (since 2006 as Assistant Professor with tenure), being head of the center of excellence for fieldbus systems and leading the factory communications group. In parallel, he completed his PhD thesis on tunneling phenomena and superluminal effects in electronic and solid state media.

From 2004 to 2013, on leave from VUT, he was founding director of the Institute for Integrated Sensor Systems of the Austrian Academy of Sciences and established team doing research on smart sensors, their technology, design, interconnection, and application. Since 2013, he is head of the Center for Integrated Sensor Systems at the Danube University Krems. In 2014, he obtained the

habilitation for automation technology at the VUT. His professional expertise and research interests include IC design, smart sensors, and automation networks with a focus on real-time, security, interconnection, and integration issues. Over the years, he has been visiting researcher or professor at various universities in South Africa, China, Italy, and Spain.

He is AdCom member of the IEEE Industrial Electronics Society and the IEEE Sensors Council, and is currently president of the Austrian Association for Measurement and Automation. Furthermore, he is associate Editor of the IEEE Transactions on Industrial Informatics, the IEEE Sensors Journal, and the IEEE Industrial Electronics Magazine. He has been working in standardization for more than 15 years and had leading positions in several international research projects. He is author of more than 190 scientific publications and has been involved in the organization of numerous IEEE conferences as program or general chair. In 2014, he became IEEE Fellow.

Secretary

Dr. Thomas Strasser
AIT Austrian Institute of Technology GmbH
thomas.i.strasser@ieee.org

Thomas Strasser holds a PhD degree in Mechanical Engineering with focus on automation and control theory and a Master degree in Industrial Engineering with focus on robotics and automation from Vienna University of Technology. As Senior Scientist at the AIT Austrian Institute of Technology (Energy Department – Electric Energy Systems) he is responsible for the strategic development of the research topic Smart Grid automation, the coordination and management of national and international research projects as well as mentoring and advising of Junior Scientists. Before his work at AIT he was responsible for more than 6 years as senior researcher for the research topic advanced and reconfigurable automation and control systems at PROFACTOR research. Thomas Strasser is active as lecturer at the Vienna University of Technology, Upper Austrian University of Applied Sciences and University of Applied Sciences Technikum Vienna in the area of Automation and ICT Systems as well as Smart Grids.

Dr. Strasser is the co-author of about 110 scientific publications including 3 patents in the above mentioned areas. Dr. Strasser was and is involved as scientific and/or sub-project coordinator in several national (e.g., KLIEN DG-EV-HIL, FIT-IT µCrons, FIT-IT eCEDAC, FIT-IT FRONTICS) and international research projects (e.g., FP6 IP PISA, FP7 STREP MEDEIA, FP7 DERri). He is a Senior Member of IEEE, especially of IEEE-IES, IEEE-SMCS and IEEE PES. Furthermore, he is member of several IEEE technical committees and task forces (IEEE-IES: TC-IA, TC-SG, Standards-TC; IEEE-SMCS: TC-DIS; IEEE-PES: TF on Real-time Simulation for Power and Energy Systems, TF on Open Source Software for Power Systems).