



Photonics and Electronics



SEPTEMBER 7 2017

ELITE HOTEL IDEON, SCHEELEVÄGEN 27, LUND, SWEDEN

WELCOME TO THE CONFERENCE

Photonics and Electronics

7 SEPTEMBER 2017 – ELITE HOTEL IDEON, LUND

SSF has the pleasure to invite you to a conference filled with interesting speakers and rewarding meetings. Welcome to be inspired by the presentations of eight framework grant projects supported by SSF.

PROGRAM

8.30-9.00	<i>Conference participants arrive for mingle and coffee</i>	11.55	Project Elevator speech <i>Mikael Östling – Germanium nanowires</i> <i>Lars-Erik Wernersson – III-V CMOS</i>
9.00	Welcome & presentation of the day <i>Lars Hultman, CEO SSF</i>	12.05	<i>Lunch</i>
9.05	Towards Next Generation of Computing <i>Walter Riess, Dr, IBM, Switzerland</i>	13.30	Mobile Material Characterization and Localization by Electromagnetic Sensing <i>Ilona Rolfes, Prof., Ruhr-University Bochum, Germany</i>
9.45	Project Elevator speech <i>Anders Larsson – Optical Interconnects</i> <i>Ludvig Edman – Large Light Area</i>	14.10	Project Elevator speech <i>Joachim Oberhammer – MEMS terahertz systems</i> <i>Magnus Berggren – Silicon-Organic Systems</i>
9.55	Guided-wave plasmon polariton waveguides <i>Janelle Leger, Prof., Western Washington University, USA</i>	14.20	Presentation of poster-session <i>Lund University representative</i>
10.35	Project Elevator speech <i>Johan Liu – Carbon High Speed 3D GaN</i> <i>Herbert Zirath – High data rate wireless</i>	14.25	Poster session
10.45	<i>Coffee</i>	15.55	Closing remarks and welcome to dinner
11.15	Morphological Controls Toward Intrinsically Stretchable Organic Electronics <i>Qibing Pei, Prof. UCLA, USA</i>	16.00	Conference end
		18.00-20.00	<i>Dinner</i>

Walter Riess, Dr, IBM, Switzerland

Dr. Walter Riess is Head of the Science & Technology department at IBM Research – Zurich and coordinator of the Binnig and Rohrer Nanotechnology Center. The research activities of the Science & Technology department include future device concepts, quantum computing, personalized medicine, mobile health, human body data interfaces and nanotechnology.

Ilona Rolfes, Prof., Ruhr-University Bochum, Germany

Ilona Rolfes heads the chair of Microwave Systems at Ruhr-University Bochum and is Vice Dean for research of her faculty. She is member of the national academy of science and engineering and Vice president of the German Association of University Professors and Lecturers. Her fields of research includes high frequency measurement methods for vector network analysis, material characterization, noise characterization of microwave devices, sensor for radar system and wireless communication.

Qibing Pei, Prof. UCLA, USA

Qibing Pei is professor of materials science and engineering specializing in electroactive polymers. He worked successively as a senior chemist at UNIAX Corporation, Santa Barbara, CA, which was later merged into DuPont Display, a senior chemist at Imation Corporation, Santa Paul, MN, and a senior research engineer at SRI International, Menlo Park, CA. He applies polymer synthesis, solution-based processing and nanofabrication in the discovery of new functional polymers and composites.

Janelle Leger, Prof., Western Washington University, USA

Janelle Leger is a Professor at Western Washington University, a primarily undergraduate institution in Bellingham, WA. She holds a split appointment between the Department of Physics and Astronomy and the Department of Chemistry, and is currently the Director of WWU's Advanced Materials Science and Engineering Center (AMSEC). Her research group explores organic and hybrid electronic and optoelectronic devices as well as structures for subwavelength optics.

