25th Anniversary

FiWiN5G Training | Scientist in Residence | Symposium on Integrated Photonics

Duisburg, January 27 - 29, 2016

Proceedings and Programme

Wednesday, January 27	Timing
FiWiN5G Training in Integrated Photonics (Zentrum für Halbleitertechnik und Optoelektronik / LT building / University Campus Duisburg) Guided tour and practical training on photonic clean room technologies	**11:00**
Lunch	13:00
FiWiN5G Training in Integrated Photonics (continued) (Zentrum für Halbleitertechnik und Optoelektronik / LT building / University Campus Duisburg) Lecture on Fundamentals of Photonic Components (Lasers, Photodiodes, Modulators) Clean Room and Laser Safety Training Practical Training in Photonic Device Fabrication and Characterization (e. g. photodetectors)	**14:30**
Get together reception	18:00

Thursday, January 28	Timing
FiWiN5G Training in Integrated Photonics (Zentrum für Halbleitertechnik und Optoelektronik / LT building / University Campus Duisburg) Practical Training in Photonic Devices Design using commercial software design tools (e.g. HFSS, BPM-CAD)	**09:00**
Lunch	12:00
FiWiN5G Training in Integrated Photonics (continued) (Zentrum für Halbleitertechnik und Optoelektronik / LT building / University Campus Duisburg) Lab Training in Photonic Devices Integration and Testing	**13:30**
Transfer to Campus Essen	16:45
UDE Scientist in Residence 2015/16 (Lecture Hall, R14 R02 B07 / University Campus Essen) Plenary talk on the "Future of integrated photonics (https://www.uni-due.de/de/scientist/)" by Prof. John E. Bowers, USA Video streams of the event (Laudation (http://duepublico.uni-duisburg-essen.de/servlets/DerivateServlet/Derivate-40733/Laudatio.mp4) | Public Lecture by Prof. John E. Bowers (http://duepublico.uni-duisburg-essen.de/servlets/DerivateServlet/Derivate-40733/Scientist_2016.mp4))	**18:00**

	
Transfer to Campus Duisburg	21:00

Friday, January 29	**Timing**
International Symposium on Integrated Photonics (Fraunhofer inHaus-Zentrum / University Campus Duisburg)	
Registration	**08:30**
Welcome Address Prof. Axel Lorke, University Duisburg-Essen, Duisburg, Germany	**09:00**
25 Years Integrated Optoelectronics in Duisburg Prof. Andreas Stöhr, University Duisburg-Essen, Duisburg, Germany	**09:15**
Integrated Silicon Photonics Prof. John Bowers, University California Santa Barbara, Santa Barbara, USA	**10:00**
Coffee Break	10:45
Integration of Electrically Pumped Lasers on Silicon Substrates Prof. Alwyn Seeds, University College London, London, United Kingdom	**11:15**
Monolithic Integration of Silicon Photonics and High-Performance SiGe:C BiCMOS Prof. Lars Zimmermann, Leibnitz Institut für innovative Mikroelektronik (IHP), Frankfurt/Oder, Germany	**12:00**
Lunch	12:45
Microwave Photonics on InP: From Single Function Chips to Photonic Integrated Systems Dr. Frederic van Dijk, III-V Labs, Paris, France	**14:00**
Integrated Optical Beamforming Modules Ilka Dove, M.Sc., SATRAX BV, Enschede, Netherlands	**14:45**
Farewell	15:30