

Photonics Days Berlin Brandenburg 2021

Micro-Electronics and Si-Photonics

October 7th, 10:00 - 12:00 (Session 1) and 15:00 - 18:00 (Session 2)

(Hybrid and in presence in Berlin-Adlershof)

Chairs: Prof. Dr. Hans Richter (GFWW e. V., Frankfurt (Oder))
 P. Krause (Prignitz Mikrosystemtechnik GmbH, Wittenberge)

In this conference we will give an overview of trends in technology, packaging technology, applications in diverse field and challenges in the market, focused on the key technologies automotive, industry safety / security, IT and AI. The capitol region can look back on a tradition more than 60 years in micro-, opto- and power electronics.

AGENDA

Session 1: Trends in Technology (10:00 – 12:00)

Session Chair: Dr. Manfred Dietrich (DiKuLi Unternehmensberatung, Müllrose and GFWW e. V., Frankfurt (Oder))

Time	TOP	Status
10:00	Introduction	
	Laith Altimime (SEMI Europe) • „Challenges in European Microelectronics“	
	St. Guttowski, (Forschungsfabrik Mikroelektronik Deutschland, Fraunhofer-Verbund Mikroelektronik) • „...“	(title tbc)
	U. Wulf (BTU Cottbus-Senftenberg), G. Teepe (T3 Technologies, Dresden), H. Richter (GFWW e. V., Frankfurt (Oder) and J. Reichert (RegDir i. R., Berlin) • “Low-energy two-channel-transistors with resonant tunneling - a flagship innovation made in Lausitz!”	
	A. Mai (IHP GmbH, Frankfurt (Oder)) • “High Performance SiGe-Technologies for mm-wave and photonic applications”	
	P. Plate and M. Schulze (SENTECH Instruments GmbH, Berlin) • “New results in the field of plasma process technology at Sentech Instruments“	

Session 2: Trends in Technology (15:00 – 18:00)

Session Chair: Dr. Gerd Teepe (t3-technologies, Dresden)

Time	TOP	Status
15:00	A. Starzacher (Silicon Alps GmbH, Villach) <ul style="list-style-type: none"> „Silicon Alps - Technology and Innovation Cluster for Electronic Based Systems“ 	
	A. Brochwitz and Ch. Ullrich (Swissbit Germany AG, Berlin) <ul style="list-style-type: none"> "Advanced 3D Packaging Solutions & IoT Security Products" 	
	S. Fisun (BOS Technology GmbH, Berlin) <ul style="list-style-type: none"> „Modulartesting- and Handling-Systems for Semiconductor-Industry made in Berlin“ 	
	P. Krause (Prignitz Mikrosystemtechnik GmbH, Wittenberge) <ul style="list-style-type: none"> „Needs and Trends in Sensor and Measurement Technology for Hydrogen Applications“ 	
	M. Habenicht (COLANDIS GmbH, Kahla) <ul style="list-style-type: none"> „Optimising of Energy consumption in cleanroom applications by cross-linked Sensors“ 	
	M. Fettke (PacTech GmbH, Nauen) <ul style="list-style-type: none"> „Assembly and repair of mini- and μ-LED display-panels using innovative laser assisted bonding“ 	
	W. Winkler (Silicon Radar GmbH, Frankfurt (Oder) <ul style="list-style-type: none"> „Miniaturized Radar-Frontends for Industrial and Medical Application“ 	
	S. Germer (European Photonics Industry Consortium, Paris) <ul style="list-style-type: none"> „Photonics on the way to a Key Enabling Technology“ 	
17:50 – 18:00	Conclusions	