

## 2ND 'BERLIN WIDEBASE' CONFERENCE ON TECHNOLOGY AND APPLICATIONS OF NITRIDE SEMICONDUCTORS

Wide Bandgap Semiconductors, in particular the nitrides of the group III elements, offer enormous potentials for application in optoelectronics and electronics. Although they have already found their way into our daily life, especially as light-emitting diodes, their potential is by far still not exhausted. Much more research and development is required to fully exploit their potential and to overcome technological challenges.

Three years ago, thirteen Berlin-based companies and research institutions founded the 'Berlin WideBaSe' consortium with the aim to combine technological potentials in the field of wide band gap (AlGaIn)N semiconductor materials and devices. Their work was supported and partly funded by the German ministry of education and research (BMBF). Besides of the development of nitride-based device technologies, the collaboration also includes related activities in crystal growth and characterization techniques.

The program of this conference covers:

- the results of the joint efforts
- the full spectrum of materials and technology research and development
- the application of nitride semiconductor based devices

Contributions from 'Berlin WideBaSe' consortium members as well as from external experts will show what has already been obtained and what the expectations and demands of the applicants of these devices are. Finally, it is the intention of the organizers to make this conference an appropriate platform for useful discussions between research and development, device makers, end-users and clients.

*We look forward to meeting you in Berlin.*

## GENERAL INFORMATION

**When:** September 19 – 20, 2013

**Where:** pentahotel Berlin-Köpenick  
Grünauer Straße 1, 12557 Berlin

**Conference fee:** 180 Euro

**Registration:** Until the 23th of August 2013

The number of participants is limited.

**Registration and further information:**  
[www.berlin-widebase.de](http://www.berlin-widebase.de)

**Accommodation:** A limited allocation of rooms in the conference hotel is at your disposal until the 16th of August 2013. Tel.: 030/65479-126. Please refer when booking to the keyword 'WideBaSe'.

## CONTACT

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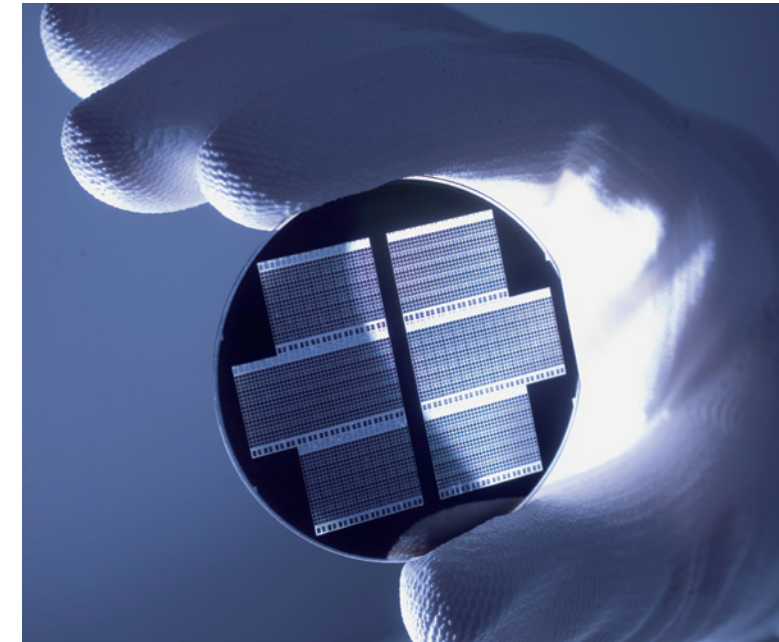
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## 2nd 'Berlin WideBaSe' Conference on Technology and Applications of Nitride Semiconductors

September 19 – 20, 2013, Berlin

Thursday, September 19, 2013, 13:00 – 18:30		
<b>Opening</b>		
<b>3 Years 'Berlin WideBaSe' – Results and Prospects</b>	Rotsch, P.	OSA Opto Light GmbH, Berlin
<b>R&amp;D on Nitride Semiconductors in the UK – Experiences from the UK Nitride Consortium</b>	Dawson, P., Martin, R.	UK Nitride Consortium
<b>Substrates and Epitaxy</b>		
<b>AlN Substrates for Optoelectronic Devices</b>	Bickermann, M.	Leibniz-Institut für Kristallzüchtung (IKZ), Berlin
<b>Recent Progress in MOCVD Production Technology for GaN Based Devices</b>	Heuken, M.	Aixtron SE, Aachen
<b>Ammonothermal Growth of GaN Crystals: Recent Progress and Perspectives</b>	Wilinski, P.	Ammono Sp. Z o.o., Warsaw
Break		
<b>GaN Electronics</b>		
<b>GaN Based Power Transistors for more Efficient Energy Conversion</b>	Würfl, J.	BeMiTec/Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH), Berlin
<b>Industrial GaN Technology for RF Applications</b>	Meiners, U.	United Monolithic Semiconductors GmbH, Ulm
<b>Radical Source with 2 GHz GaN FETs for Plasma-enhanced Atomic Layer Deposition</b>	Arens, M.	SENTECH Instruments GmbH, Berlin
<b>UV LEDs – General</b>		
<b>UV LEDs – The Long Road to Shorter Wavelengths</b>	Kneissl, M.	Technische Universität Berlin/ Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH)
<b>Properties and Applications of UV Point Emitters</b>	Trenkler, T.	Jenoptik Polymer Systems GmbH, Berlin
<b>UV LEDs for Water Disinfection</b>		
<b>Perspectives of Medium-Scale Water Disinfection Systems with UV LEDs</b>	Kämmerer, S.	Xylem Services GmbH, Herford
<b>Point-of-use Water Disinfection by Means of UVC LEDs</b>	Wipprich, W.	PURION GmbH, Zella-Mehlis
Boat Trip		

Friday, September 20, 2013, 09:00 – 13:00		
<b>UV LEDs in Life Sciences</b>		
<b>The Effect of UV Radiation on Human Skin: Injuries and Protection</b>	Meinke, M.	Charité – Universitätsmedizin Berlin
<b>Status and Future Development of Narrowband UVB Light Sources for Medical Phototherapy</b>	Gutmann, E.	Gesellschaft zur Förderung von Medizin-, Bio- und Umwelttechnologien e.V. (GMBU), Jena
<b>Targeted Triggering of the Secondary Plant Metabolism by Various Light Qualities</b>	Schreiner, M.	Leibniz-Institut für Gemüse- und Zierpflanzenbau Großbeeren/Erfurt e.V., Erfurt
<b>GaN based Laser Diodes</b>		
<b>Coherent Blue Emission – Demands and Applications for GaN Semiconductor Technology</b>	Laurent, T.	eagleyard Photonics GmbH, Berlin
<b>Novel Concepts of Nitride Laser Diodes and Arrays</b>	Perlin, P.	Unipress/TopGaN, Warsaw
Break		
<b>UV Detectors</b>		
<b>A Comparison of Different Types of UV Photodetectors</b>	Pertsch, E.	Jenoptik Polymer Systems GmbH, Berlin
<b>AlGaIn Pin-Detectors for Monitoring of UV Sources</b>	Kopta, S.	Fraunhofer-Institut für Angewandte Festkörperphysik IAF, Freiburg
<b>Summary and Closing Remarks</b>		
<b>Final Remarks</b>	Tränkle, G.	Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH), Berlin