

Program LDC 2016, Jena, Germany

	Sunday, 03/07/2016
tbd	Pick up at Frankfurt Airport (one Bus, one time), Transfer to Jena

→ please inform us, if you want to use the transfer from Frankfurt airport,
email to stefan.riehemann@iof.fraunhofer.de

	Monday, 04/07/2016
08:00	Pick up by Bus from Hotels
08:30 - 09:30	Registration
09:30 - 09:45	Welcome Prof. Dr. Andreas Tünnermann, Conference Chair Prof. Dr. Kazuo Kuroda, Conference Co-Chair
09:45 - 11:00	Session 1: "Diode-based light sources I"
1-1	Shingo Masui, Nichia Corporation, Japan (Invited Talk) „Recent Progress of Watt Class Visible InGaN Laser Diodes”
1-2	Gunnar Blume, Ferdinand Braun Institut, Germany „Red-colour coherent laser radiation emitted by a miniaturized master-oscillator power-amplifier”
1-3	Tetsua Yagi, Mitsubishi Electric Corporation, Japan „Improvement of output power dependence on temperature in 638-nm BA-LD”
11:00 – 11:30	Coffee Break
11:30 – 13:00	Session 2: "Diode-based light sources II"
2-1	Tatsuhi Hamaguchi, Sony, Japan (Invited Talk) „Milliwatt-class blue GaN-based vertical-cavity surface-emitting lasers”
2-2	Andreas Unger, DILAS Diodenlaser GmbH, Germany „High power fiber coupled diode lasers for display and lighting applications”
2-3	Ray Hua Horng, National Chiao Tung University, Taiwan „Improved angular CCT uniformity of flip-chip white light emitting diodes using phosphor template transferring technique”
13:00 – 14:00	Lunch
14:00 – 15:30	Award Ceremony: Green Photonics, LDC
15:30 – 16:00	Coffee Break
16:00 – 18:00	Session 3: "Laser and light sources I"
3-1	Lung-Han Peng, National Taiwan University, Taiwan (Invited Talk) „Despeckling sources with spatial/wavelength diversity based on c(2) nonlinear photonic crystals”
3-2	Nils Werner, Ferdinand Braun Institut (FBH), Germany „Miniaturized 560 nm yellow-green laser modules with more than half a watt”
3-3	Oleg Byalkovskiy, "IRE-Polus" Ltd, Russia „High-power red-green-blue laser light source with single mode beam quality based on sum frequency generation of radiations of ytterbium and erbium pulsed fiber lasers in LBO crystals”
3-4	Aleksandr Surin, "IRE-Polus" Ltd, Russia „High power CW fiber lasers operating in green-red spectral range”
18:30 – 20:30	Thuringian Evening at Fraunhofer IOF
20:30	Bus to the Hotels

	Tuesday, 05/07/2016
08:00	Pick up by Bus from Hotels
09:00 – 10:30	Session 4: "Laser and light sources II"
4-1	Klaus Streubel, Osram Licht AG, Germany (Invited Talk) „Exciting Lighting“
4-2	Jörg Reitterer, TriLite Technologies GmbH, Austria (Invited Talk) „Ultra-compact RGB Laser Light Module with MEMS Mirror for Visual Display and Projection Applications“
4-3	Shih-Yu Tu, National Taiwan University, Taiwan „Efficient speckle reduction in a MEMS-scanning system based on Ki(2) nonlinear photonic crystals“
10:30 – 11:00	Coffee Break
11:00 – 13:30	Official opening Ceremony Abbe Center of Photonics, Including Lunch (Barbecue)
14:00 – 15:30	Session 5: "Systems and applications I"
5-1	Christian Amann, BMW, Germany (Invited Talk) „A new efficient, compact vehicular illumination system using high-power semiconductor laser diodes“
5-2	Simone Höckh, Robert Bosch GmbH, Germany „Exploring pico-laser projectors for an autostereoscopic 3D head-up display“
5-3	Hagen Schweitzer, LightTrans International UG, Germany „Physical optics simulation and design approach for SLM, DMD and hybrid optical systems“
15:30 – 16:00	Coffee Break
16:00 – 17:30	Session 6: "MEMS and speckle"
6-1	Markus Sonnemann, Robert Bosch GmbH, Germany (Invited Talk) „Optical MEMS – New perspectives for integrated micro-systems“
6-2	Jae-Yong Lee, Yonsei University, Korea „Speckle reduction for laser pico-projector using multiple beam splitting elements with optical phase matrix“
6-3	Mitsuaki Futami, Mitsubishi Electric Corp., Japan „De-speckle effects resulted by wavelength multiplexing of red laser diode arrays for projectors“
17:30	Bus to the Hotels

	Wednesday, 06/07/2016
08:00	Pick up by Bus from Hotels
09:00 – 10:30	Session 7: “Systems and applications II”
7-1	Peter Schreiber, Fraunhofer IOF, Germany (Invited Talk) „Arrayed microprojectors for structured illumination”
7-2	Christian Drabe, Fraunhofer IPMS, Germany „Scanning Optical MEMS With Very High Frequencies”
7-3	Tobias Werner, Robert Bosch GmbH, Germany „Optical design of a flying spot projection based autostereoscopic head-up display”
10:30 – 11:00	Coffee Break
11:00 – 12:30	Session 8: “Imaging and lighting technologies”
8-1	Jörg Petschulat, Carl Zeiss AG, Germany (Invited Talk) „New directions for imaging @ ZEISS”
8-2	Fergal Shevlin, DYOPTYKA, Ireland „Optically efficient directional illumination with homogenization of laser incidence on remote phosphor”
8-3	Kazuo Kuroda, Utsunomiya University, Japan „Direct measurement of color speckle”
12:30 – 14:00	Lunch
14:00 – 15:30	Session 9: “Lighting applications”
9-1	Karl Schulmeister, Seibersdorf Labor GmbH, Austria (Invited Talk) „New concept for safety classification of lasers replacing conventional lamps”
9-2	Junichi Kinoshita, Osaka University, Japan „Statistical Effect of Color Speckle on Optical Measurement Errors for Laser Display and Laser Lighting Applications”
9-3	Junichi Kinoshita, Osaka University, Japan „Maximization of Color Rendering Index of BGYR Four-Color Laser Illuminants for Lighting Applications”
15:30 – 16:30	Poster Session and Coffee Break
P-1	Seong-Jin Son, Gwangju Institute Science and Technology, Korea „Design of QPM structures for broadband red, green and blue light based on second harmonic generation by nonlinear materials”
P-2	Encarnacion G. Villora, National Institute for Materials Science, Japan „High quantum efficiency and thermal stability of single-crystal phosphors for high-brightness lighting”
P-3	Vanessa Stenchly, Fraunhofer ISIT, Germany „Novel wafer based glass fusion capping technology for laser diodes with lateral emission”
16:30 – 17:30	Heureka-Session (Post deadline papers)
18:30	Bus to Planetarium Jena
19:00	Conference Dinner “Under the Stars”, Planetarium Jena
22:00	Bus to the Hotels

	Thursday, 07/07/2016
08:30	Pick up by Bus from Hotels
09:00 – 10:00	Session 10: “Image / Lighting Quality and Human Vision”
10-1	Karlheinz Blankenbach, Pforzheim University, Germany (Invited Talk) „Laser-based head-up displays (HUD): Comparison of color performance compared to LCD HUDs for bright ambient light conditions”
10-2	Peter Brick, OSRAM Opto Semiconductors GmbH, Germany „Color aspects of digital image acquisition and reproduction”
10:00 – 10:30	Coffee Break
10:30 – 12:00	Lab Tour at Fraunhofer/IAP
12:00 – 13:00	Lunch
13:00	Closing of Scientific Program

13:10	Departure to Weimar
13:50	City Tour Weimar
16:00	Departure Weimar

When you want to be part of the visit to BMW, Munich, please inform us latest 4 weeks in advance via email to stefan.riehemann@iof.fraunhofer.de.
We have to register all persons (please send all names).

16:30	Departure to Munich (in Jena)
21:00	Arrival Munich

	Friday, 08/07/2016 – Munich BMW
08:30	Pick up by Bus from Hotel
09:00-11:30	Visit BMW: first part only for professionals, second part also for accompanying persons (details will follow)
self organized continued visit in Munich (e.g. BMW World & Museum) or self organized transfer to Munich airport	