Program

electronicdisplays 2017 Conference

March 15-16, 2017 | Nuremberg, Germany

Wednesday, March 15, 2017

09:50 - 10:00	**Opening of the electronic displays Conference 2017**	Prof. Dr. Karlheinz Blankenbach, Pforzheim University of Applied Science
	Keynote-Session: Display Trends	
10:00 - 10:25	**Keynote: Quantum Dot Electroluminescence**	Prof. Dr. Poopathy Kathirgamanathan, Brunel University London
10:25 - 10:50	**Keynote: TBD**	Dr. Marc Lünnemann, Osram OLED
10:50 - 11:15	**Keynote: Future Displays**	Holger Gerkens, JDI
11:15 - 11:35	**The future for OLED - a long view**	Bob Raikes, Meko
11:35 - 12:00	**Keynote: PI Flexible LCD for Future Application**	Ivan Wu, AUO
12:00 - 12:20	**Discussion, Questions & Answers**	
12:20 - 13:20	**Author Interviews (20 min.) & Lunch & Posters**	

	Session 1: Touch Screens	Session 2: Calibration & Optimization
13:20 - 13:40	**Low Reflectance Touch Panels for Sunlight Readability** Dr. Farouk Zabel, New Vision Display	**Luminance and Contrast Decrease due to White Point Calibration** Dr. Hans-Ulrich Lauer, Visteon Electronics Germany
13:40 - 14:00	**Optical Bonded Displays, New Trends in Material and Process Development** Dr. Klaus Radermacher, Via optronics	**Temperature dependence of the emissive characteristics of different liquid crystals displays measured with different optical instruments** Dr. Pierre Boher, ELDIM
14:00 - 14:20	**Optical bonding technology challenges towards display solutions for industrial applications** Dr. Diana Nanu, DATA MODUL	**Anti-Sparkle Solution Based on Diffractive Optics** Michael Patz, 3M Germany
14:20 - 14:40	**Production Systems for optical bonding of displays** Hartmut Storz, RAMPF Production Systems	**Development of DNP's optical components for Display Applications** Masayuki Tsunekawa, Dai Nippon Printing
14:40 - 15:00	**Investigation of the effects of metal mesh density and cover glass thickness on the performance of projected-capacitive touch screens through simulations** Dr. Vasileios Zagkanas, Fieldscale	**Active privacy on demand display for visual information** Dr. Markus Klippstein, siOPTICA

15:00 - 15:40	**Author Interviews (20 min.) & Coffee & Poster Session**	
	Elongated semiconductor nanocrystals for future display applications	Dr. Tobias Jochum, CAN
	Displays for IoT	Anatolij Marsal, Pforzheim University of Applied Science
	On Integrating HighRes – TFT and CTP on small embedded computer platforms	Dr. Hagen Ploog, Admatec
	How to manage your Display colors among several displays?	Manfred Wittmeir, Epson Europe Electronics
	How to use the VESA Display Stream Compression (DSC) standard to create higher resolution displays for consumer electronics applications	Alain Legault, Hardent

	Session 3: Display Measurement	Session 4: Display Interfaces
15:40 - 16:00	**Next Generation Imaging Luminance and Color Measurement – spectral and spatial aspects for the display evaluation** Dr. Udo Krüger, TechnoTeam	**HDBaseT – the standard for ultra-high-definition connectivity** Daniel Adler, Valens
16:00 - 16:20	**Automated Visual Inspection (AVI) adapts to recent display trends** Bo Magluyan, Radiant Vision Systems	**Next Generation Automotive Cockpit Display Solutions Meeting ASIL Requirements** Jürgen Lang, Socionext Europe, Thomas Rothhaupt, Inova Semiconductors
16:20 - 16:40	**Advancements of the "Uniformity measurement standard for Displays** Dr. Martin Wolf, Instrument Systems	**A Robust Method for Frozen Frame Detection in Safety Relevant Video Streams Based on Digital Watermarking** Dr. Jan Bauer, Daimler
16:40 - 17:00	**Optical Metrology for Curved Display Screens** Dr. Michael E. Becker, Display-Messtechnik & Systeme/Instrument Systems	**USB Type C: The perfect "one cable does it all" solution for HMI displays** Eberhard Kurz, DATA MODUL
17:00 - 17:20	**Author Interviews (20 min) & Posters**	

Thursday, March 16, 2017

	Session 5: Automotive Displays 1	Session 6: AR/VR/Microdisplays
09:00 - 09:20	**The (R)Evolution of the instrument cluster** Dominik Stindt, Porsche	**Protective helmet data glasses** Prof. Dr. Rigo Herold, Westsächsische Hochschule Zwickau
09:20 - 09:40	**Improvement of TFT-LCD optical performance for automotive security** Yongli Yao, Tianma Micro-electronics	**Ultra Low Power Microdisplays for Smart Glasses** Peter König, Fraunhofer FEP
09:40 - 10:00	**Display enhancment materials for Automotive Displays** Donald Schaffer, Dexerials Europe	**Pupil tracker based super lightefficientnear-to-eye display** Mehmet Serhan Can, Koç University
10:00 - 10:40	**Author Interviews (20 min.) & Coffee & Poster Session (see March 15, 15.00 - 15.40 hrs)**	

	Session 7: Automotive Displays 2	Session 8: Displays & Materials
10:40 - 11:00	**In-Glass Laminated Displays – Adding Situational Awareness to the Driver Environment** Joe Pimenoff, Beneq	**Electro-wetting display technology creates the opportunity for digital displays to become as abundant as "paper"** Dr. Doenke Oostra, Etulipa
11:00 - 11:20	**Revolutionary Digital LED concept for Automotive Illumination Applications** Markus Römer, Inova Semiconductors	**Turning Dust into Light** Dr. Philipp Pust, Dr. Ulli Hiller, OSRAM Opto Semiconductors
11:20 - 11:40	**Smart watch for driver information and alert in an open environment** Prof. Dr. Ansgar Meroth, Heilbronn University	**Smart Window Applications** Werner Malcherek, ANNAX
11:40 - 13:00	**Author Interviews (20 min.) & Lunch & Posters**	
	Keynote-Session	
13:00 - 13:25	**Keynote: Wearable Computers – The next Generation of Interaction**	Prof. Dr. Gerrit Meixner, Heilbronn University
13:25 - 13:50	**Keynote: New Applications with Liquid Crystals**	Dieter Schroth, MERCK

	Session 9: OLED	Session 10: GUI/HMI & Color
13:55 - 14:15	**Growth topics as the high colour agenda develops** Ian Hendy, Hendy Consulting	**Does you GUI make the most of what your hardware has to offer?** Phil Brumby, Mentor Graphics
14:15 - 14:35	**Powerboard design for the first AMOLED TV of Turkey** Dr. Basak Özbakıs, VESTEL Electronics	**The HMI Side of Automotive Certifications – ASIL, ASPICE, ISO 26262** Stephan Haefele, Altia Europe
14:35 - 14:55	**Enabling game-changing products with conformable organic liquid crystal displays** Dr. Mike Banach, FlexEnable	**Factors influencing the quality of the softproof** Roman Byshko, Fogra Graphic Technology Research Association
14:55 - 15:15	**Author Interviews (20 min.) & Coffee & Posters**	
	Session 11: Future Displays	
15:15 - 15:35	**Technology Forecast: OLED, LCD or something new?**	Paul Gray, IHS Technology
15:35 - 15:55	**Displays for wearable devices**	Dr. Guillaume Chansin, IDTechEx
15:55 - 16:15	**"More than just a display!" – Advancements in display technologies**	Jeremy Lock, Sharp Devices Europe
16:15 - 16:45	**Wrap-Up, Summary & Author Interviews (20 min.)**	Prof. Dr. Karlheinz Blankenbach, Pforzheim University of Applied Science

More information: www.electronic-displays.de

WEKA FACHMEDIEN GmbH · Richard-Reitzner-Allee 2 · 85540 Haar

Program is subject to change.

electronicdisplays 2017 Conference

March 15-16, 2017 | Nuremberg, Germany

Europe's largest Conference on Electronic Displays and their Applications

Conference Committee:

- Prof. Dr. Karlheinz Blankenbach (Chairman), Pforzheim University of Applied Science
- Armin Scheuerer, Data Modul
- Hannelore Köhl, Robert Bosch
- Dr. Jürgen Wahl
- Jürgen Laur, Merck
- Winfried Schwedler, Osram Opto Semiconductor

- **Who should attend?** Everybody professionally involved in displays from engineers to managers
- **What will you learn?** Latest information on electronic display technologies, software, systems and performance optimization
- **Who will you meet?** Colleagues and leading experts from both industry and R&D
- **Why should you attend?** Stay ahead in displays and applications, get a second opinion for your ideas
- Special focus on touch screens, automotive displays, display calibration & optimization and display measurement
- Sessions on display interfaces, AR/VR/microdisplay, materials, OLED, GUI/HMI and color
- Top level keynotes on display trends, future displays, wearable computers and new LCD applications

Organized by: DESIGN & ELEKTRONIK – KNOW-HOW FÜR ENTWICKLER

Conference Sponsors 2017: DFF, Digi-Key Electronics, Instrument Systems (KONICA MINOLTA Group), KONICA MINOLTA, MERCK, TechnoTeam Bildverarbeitung GmbH

Please send fax-registration to

+ 49 (0) 89 – 255 56 0725

I want to register for:*

☐ **Full Conference** (March 15-16, 2017)
☐ **Only first Day** (March 15, 2017)
☐ **Only second Day** (March 16, 2017)

Day 1 – March 15, 2017
☐ Session 1: Touch Screens
☐ Session 2: Calibration & Optimization
☐ Session 3: Display Measurement
☐ Session 4: Display Interfaces

Day 2 – March 16, 2017
☐ Session 5: Automotive Displays 1
☐ Session 6: AR/VR/Microdisplays
☐ Session 7: Automotive Displays 2
☐ Session 8: Displays & Materials
☐ Session 9: OLED
☐ Session 10: GUI/HMI & Color
☐ Session 11: Future Displays

☐ My company is exhibiting
☐ I am a Co-Speaker
☐ I am a Member of DFF

electronic displays Conference 2017		
Conference Fees	**by Feb 1**	**from Feb 2**
Full Conference (March 15-16, 2017)	545,00 €	595,00 €
First Conference Day (March 15, 2017)	345,00 €	395,00 €
Second Conference Day (March 16, 2017)	345,00 €	395,00 €
Students (March 15-16, 2017) (excl. lunch)	49,00 €	49,00 €

Venue: NürnbergMesse, NCC Ost, 90471 Nuremberg, Germany

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Please note: In order to be registered you have to fill in all required fields marked with an asterisk (*). (A confirmation email will be sent to you.)

Last Name*

First Name*

Mr./Ms./Title* Jobtitle

Company* Student (yes/no)

Street* Department

Zip code* City*

Country*

Phone*

Email*

Date / Signature*

Terms and Conditions:

1. The attendance fee includes proceedings, free admission to the embedded world Exhibition 2017, lunch and refreshments. You will receive a confirmation of your registration along with your invoice.
2. Cancellation received in writing before or on February 22, 2017 will be subject to a service charge of EUR 50 for one-day registrations and EUR 100 for two-day registrations. For all cancellations received after February 22, 2017 the full conference fee remains payable. Substitutions within the same company are welcome at any time.
3. The organizers reserve the right to make changes in the program and/or speakers or to cancel sessions if conditions beyond its control prevail. Please check www.electronic-displays.de for the latest conference information.
4. Students Conference fee: EUR 49 (incl. proceedings and exhibition ticket, excl. lunch voucher), student ID required. Please email to VKoehler(at)weka-fachmedien.de.
5. Exhibitors or Co-Speakers will receive a discount of 50% for one person only. Members of DFF receive a discount of 30%.
6. On-site-registration: Please register in advance. For on-site registrations a surcharge of EUR 40 per attendee will apply.
7. All prices excluded VAT.

Online Registration at www.electronic-displays.de