

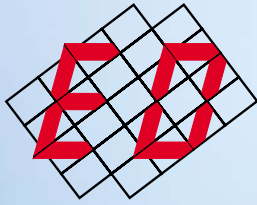
## Program

### Wednesday, 24 February 2016

09:50 - 10:00	<b>Opening of the electronic displays Conference 2016</b> Prof. Dr. Karlheinz Blankenbach, Pforzheim University of Applied Science	
<b>Keynote-Session: Markets, Applications &amp; Trends</b>		
10:00 - 10:25	<b>Keynote: Touch Panel, Touchless Sensor and Emerging Display – Market Forecast and New Opportunities</b>	Dr. Jennifer Colegrove, Touch Display Research
10:25 - 10:50	<b>Keynote: Evolution of Automotive Displays and HMI: Past, Present and Future</b>	Prof. Dr. Peter Knoll, KIT Karlsruhe Institute of Technology
10:50 - 11:15	<b>Keynote: Automotive display trends and the increasing engagement of China</b>	John Brown, Tianma NLT
11:15 - 11:40	<b>Keynote: Wearable Computers – The next Generation of Interaction</b>	Prof. Dr. Gerrit Meixner, Heilbronn University
11:40 - 12:05	<b>Keynote: Trends for Next Generation Displays – 2016 and Beyond</b>	Sweta Dash, Dash-Insights
12:05 - 13:20	<b>Author Interviews, 30th Anniversary edC &amp; Lunch (15 min + 60 min)</b>	
<b>Session 1: Automotive Displays</b>		<b>Session 2: Displays QA &amp; Improvements</b>
13:20 - 13:40	<b>Quality aspects of displays for automotive applications</b> Robert Haidenthaler, Daimler	<b>Longterm availability and obsolescence management for Displays</b> Klaus Wammes, Wammes & Partner / i-sft
13:40 - 14:00	<b>Safety mechanisms to control automotive displays</b> Manfred Wittmeier, Epson Europe Electronics	<b>Legal Compliance of Displays: Update about recent amendments of the RoHS Directive</b> Dr. Stefan Mollin, Dr. Matthias Bischof, Merck
14:00 - 14:20	<b>Optical design and evaluation of autostereoscopic Head-Up Displays</b> Tobias Werner, Robert Bosch	<b>UB-FFS technology: latest advances in high transmittance LCD technologies for small and medium size displays</b> Dr. Markus Czanta, Merck
14:20 - 14:40	<b>The 3D Instrument Cluster – Frivolous Eye Candy or HMI Breakthrough?</b> Stephan Häfele, Altia	<b>Fireload and smoke gas optimized displays</b> Werner Schubert, Distec
14:40 - 15:00	<b>Automotive capacitive touch technologies, Smart mirrors for cars</b> Dr. Chun-Ming Huang, TRULY (Huizhou) Smart Display	<b>Correction of misalignments between optical grid and pixel panel on autostereoscopic displays at future increasing display resolution</b> Silvio Jurk, Fraunhofer Heinrich Hertz Institute
15:00 - 15:40	<b>Author Interviews, Poster Session, 30th Anniversary edC &amp; Coffee (40 min)</b>	
<b>Posters:</b>	<b>Optical Bonded Displays, Improving Mechanical Stability and Future Design Requirements</b>	Dr. Klaus Radermacher, Via optronics
	<b>Projected capacitive touch integration</b>	Frank Ploenissen, MSC Technologies
	<b>Any Media over Any Network</b>	Aaron Beham, Xilinx
	<b>Transparent displays for the rail applications</b>	Werner Malcherek, ANNAX information systems
	<b>Moiré Effect and Its Minimization in 3D Displays</b>	Dr. Vladimir Saveljev, Hanyang University
	<b>Innovation in Workflow and Software Tools for Iterative and Collaborative HMI Design</b>	Thomas Fletcher, Crank Software
<b>A low-latency yet highly reliable wireless video transfer system</b>	Tobias Welti, ZHAW Zurich University of Applied Sciences	
<b>Enhanced GUI and HMI Design possibilities using force sense and haptics</b>	Michael Nussbaumer, next system	
<b>Session 3: Improvements in Color Performance</b>		<b>Session 4: Microdisplays</b>
15:40 - 16:00	<b>Achieving BT. 2020 color gamut – Quantum Dots vs. Lasers</b> Dr. John Ho, QD Vision	<b>2k Electronic View Finder based on QXGA Microdisplay</b> Dr. Henning Molsen, Forth Dimension Displays
16:00 - 16:20	<b>Stable Color Gamut for High-End Professional Displays</b> Stefan Carton, NDF – Special Light Products	<b>Low power low cost LCD based head-mounted display</b> Jean-Michel Asfour, DIOPTIC
16:20 - 16:40	<b>Finding meaningful numbers to describe viewing cone characteristics – Development of ISO 12646</b> Peter Karp, Konica Minolta Sensing	<b>Adaptive interactive data-glasses</b> Prof. Dr. Rigo Herold, University of Applied Sciences Zwickau
16:40 - 17:00	<b>Challenges for LEDs in Outdoor environments</b> Sven Weber-Rabsilber, OSRAM Opto Semiconductors	<b>Laser beam scanning (pico-)projection display based on resonant micromirrors</b> Christian Mallas, Fraunhofer ISIT
17:00 - 17:20	<b>Author Interviews &amp; 30th Anniversary edC</b>	

### Thursday, 25 February 2016

<b>Session 5: Haptic Touch</b>		<b>Session 6: Measurement Devices</b>
09:00 - 09:20	<b>HAPTIVITY – Virtual reality for mechanical button feeling</b> Dr. Matthias Neundorf, Kyocera Display Europe	<b>A high-speed 2-in-1 Imaging Colorimeter for Display Production Applications</b> Dr. Martin Wolf, Instrument Systems
09:20 - 09:40	<b>Building tactile feedback into touch displays</b> Chris Travis, Redux Labs	<b>Conoscopic measurements for displays – advantages and limitations</b> Dr. Udo Krüger, TechnoTeam
09:40 - 10:00	<b>The Use of Force Sensing to Enhance Capacitive Touchscreens in Industrial and Automotive Applications</b> Chris Ard, Touchnetix	<b>Improved Display Color Measurements with the WP214 Imaging Spectral Colorimeter</b> Chad Greene, Tim Moggridge, Westboro Photonics
10:00 - 10:40	<b>Author Interviews, Poster Session, 30th Anniversary edC &amp; Coffee (40 min)</b>	
<b>Session 7: Touch Enhancements</b>		<b>Session 8: Measurement Methods</b>
10:40 - 11:00	<b>Water, conductive liquids and gloves – a challenge for PCAP systems</b> Markus Hell, Alexander Trica, DATA MODUL	<b>Measurements and simulations of outdoor characteristics of different types of displays: application to realistic spectral ray tracing simulation of displays</b> Dr. Pierre Boher, ELDIM
11:00 - 11:20	<b>Antibacterial active glass</b> Pascal Meier, Glas Trösch	<b>Reflection characteristic measurements of displays made easy by luminance imager and gloss meter</b> Christian Dietz, Konica Minolta Sensing Europe
11:20 - 11:40	<b>Chemically tempering of Sol-Gel coated anti-reflective glasses for display applications</b> Dr. Marten Walther, SCHOTT	<b>Optical Characterization of Anti-Glare Layers</b> Dr. Michael Becker, Display-Messtechnik & Systeme; Dr. Thomas Fink, Porsche; Dr. Udo Krüger, Techno Team
11:40 - 13:00	<b>Author Interviews, Poster Session, 30th Anniversary edC &amp; Lunch (20 min + 60 min)</b>	
<b>Keynote-Session: Trends &amp; Automotive</b>		
13:00 - 13:25	<b>Keynote: Market Trends</b> Bob Raikes, Meko	
13:25 - 13:50	<b>Keynote: Automotive Display</b> Dr. O.S. Yang, Dr. B.W. Lee, Samsung	
<b>Session 9: Display Market &amp; Analysis</b>		<b>Session 10: OLEDs &amp; Quantum Dots</b>
13:55 - 14:15	<b>Display Market Overview: Chinese companies gaining control?</b> Paul Gray, IHS Technology	<b>Industry trends: the rise of flexible OLED and quantum dots</b> Dr. Guillaume Chansin, IDTechEX
14:15 - 14:35	<b>Race to the bottom</b> Ian Hendy, Hendy Consulting	<b>Cost-efficient manufacturing process for barrier films suitable for flexible OLED applications</b> Jürgen Kreis, AIXTRON
14:35 - 14:55	<b>Trend Scouting in the Display Market: new opportunities for consumer insights from big data analytics (case social media mining)</b> Dr. Markus Czanta, Merck	<b>Problems encountered using Phosphors and Quantum dots for Display Screens backlit by LEDs</b> Prof. Jack Silver, Brunel University
14:55 - 15:15	<b>Author Interviews &amp; Coffee (20 min)</b>	
<b>Session 11: Free-Form &amp; Flexible Displays</b>		<b>Session 12: Display Interfaces &amp; Optimization</b>
15:15 - 15:35	<b>Free-Form Displays: a Revolutionary Class of LCDs for New Applications</b> Dr. Graham Cairns, Sharp Devices Europe	<b>DSI or eDP or...? Video Interfaces for Next Generation Automotive Display</b> Jochen Schyma, Inova Semiconductors
15:35 - 15:55	<b>Technology and Applications for flexible and robust Displays</b> Dr. Matthias Tortschanoff, Plastic Logic	<b>USB Type C 'Alternate Mode' enables DisplayPort graphics interface</b> Rudolf Sosnowsky, Hy-Line Computer Components
15:55 - 16:15	<b>Flexible and Conformable Displays</b> Dr. Jan-Laurens van der Steen, Holst Centre/TNO	<b>Adaptive Global Dimming Based on Image Analysis for Power Saving and Preserving Brilliance of Automotive Displays</b> Prof. Dr. Chihao Xu, Maxim Schmidt, Saarland University
16:15 - 16:45	<b>Wrap-Up, Summary &amp; Author Interviews (10 min + 20 min)</b>	



# electronic displays 2016

## Conference

24.-25.02.2016, 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 improvements and display measurements
- Sessions on flexible displays, microdisplays and display interfaces, driving and systems
- Top level keynotes on display trends, applications incl. automotive and market

#### Organized by:



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#### I want to register for:\*

- Full Conference (24-25 February 2016)
- Only first Conference Day (24 February 2016)
- Only second Conference Day (25 February 2016)

#### Day 1 – 24 February 2016

- Session 1: Automotive Displays
- Session 2: Displays QA & Improvements
- Session 3: Improvements in Color Performance
- Session 4: Microdisplays

#### Day 2 – 25 February 2016

- Session 5: Haptic Touch
- Session 6: Measurement Devices
- Session 7: Touch Enhancements
- Session 8: Measurement Methods
- Session 9: Display Market & Analysis
- Session 10: OLEDs & Quantum Dots
- Session 11: Free-Form & Flexible Displays
- Session 12: Display Interfaces & Optimization

- My company is exhibiting
- I am a Co-Speaker

#### electronic displays Conference 2016

Conference Fees	by Jan 27	from Jan 28
Full Conference (24-25 February 2016)	515,00 €	565,00 €
Only first Conference Day (24 February 2016)	335,00 €	385,00 €
Only second Conference Day (25 February 2016)	335,00 €	385,00 €
Students (24-25 February 2016) (excl. lunch)	49,00 €	49,00 €

Venue: NürnbergMesse, NCC Ost, 90471 Nuremberg, Germany

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 \_\_\_\_\_

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#### Terms and Conditions:

1. The attendance fee includes proceedings, free admission to the embedded world Exhibition 2016, lunch and refreshments. You will receive a confirmation of your registration along with your invoice.
2. Cancellations received in writing before or on 3 February 2016 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 3 February 2016 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](http://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 [JSpaeth@weka-fachmedien.de](mailto:JSpaeth@weka-fachmedien.de).
5. Exhibitors or Co-Speakers will receive a discount of 50% for one person only.
6. On-site-registration: Please register in advance. For on-site registrations a surcharge of EUR 40 per attendee will apply.



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