electronicdisplays 2016 Conference

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Program

Program 2425.02.2016, Nuremberg, Germany			
	Wednesday, 24	- 	016
09:50 - 10:00	Opening of the electronic displays Conference 2016	cordary 20	Prof. Dr. Karlheinz Blankenbach, Pforzheim University of Applied Science
09.50 - 10.00	Keynote-Session: Markets, Applications & Trends		Tor. Dr. Kanneniz blankenbach, Horzheim onwersity of Applied Science
10:00 - 10:25	Keynote: Touch Panel, Touchless Sensor and Emerging Display – Mark	et Forecast and	New Opportunities Dr. Jennifer Colegrove, Touch Display Research
10:25 - 10:50	Keynote: Evolution of Automotive Displays and HMI: Past, Present an		Prof. Dr. Peter Knoll, KIT Karlsruhe Institute of Technology
10:50 - 11:15	Keynote: Automotive display trends and the increasing engagement of		John Brown, Tianma NLT
11:15 - 11:40	Keynote: Wearable Computers – The next Generation of Interaction		Prof. Dr. Gerrit Meixner, Heilbronn University
11:40 - 12:05	Keynote: Trends for Next Generation Displays – 2016 and Beyond		Sweta Dash, Dash-Insights
12:05 - 13:20	Author Interviews, 30th Anniversary edC & Lunch (15 min + 60 min)		
	Session 1: Automotive Displays	S	ession 2: Displays QA & Improvements
13:20 - 13:40	Quality aspects of displays for automotive applications		ongterm availability and obsolescence management for Displays
42.40.44.00	Robert Haidenth		Klaus Wammes, Wammes & Partner / i-sft
13:40 - 14:00	Safety mechanisms to control automotive displays Manfred Wittmeir, Epson Europ		egal Compliance of Displays: Update about recent amendments of the ROHS Directive Dr. Stefan Mollin, Dr. Matthias Bischof, Merck
14:00 - 14:20	Optical design and evaluation of autostereoscopic Head-Up Displays Tobias Werner, F		JB-FFS technology: latest advances in high transmittance LCD technologies or small and medium size displays Dr. Markus Czanta, Merck
14:20 - 14:40	The 3D Instrument Cluster – Frivolous Eye Candy or HMI Breakthrougl Stephan	n? Fi Häfele, Altia	ireload and smoke gas optimized displays Werner Schubert, Distec
14:40 - 15:00	Automotive capacitive touch technolgies, Smart mirrors for cars		Correction of misalignments between optical grid and pixel panel on
	Dr. Chun-Ming Huang, TRULY (Huizhou) S	mart Display a	utostereoscopic displays at future increasing display resolution Silvio Jurk, Fraunhofer Heinrich Hertz Institute
15:00 - 15:40	Author Interviews, Poster Session, 30th Anniversary edC & Coffee (4)) min)	
Posters:	Optical Bonded Displays, Improving Mechanical Stability and Future		
	Projected capacitive touch integration		Frank Ploenissen, MSC Technologies
	Any Media over Any Network Transparent displays for the rail applications		Aaron Beham, Xilinx Werner Malcherek, ANNAX information systems
	Moiré Effect and Its Minimization in 3D Displays		Dr. Vladimir Saveljev, Hanyang University
	Innovation in Workflow and Software Tools for Iterative and Collabo A low-latency yet highly reliable wireless video transfer system	rative HMI Des	ign Thomas Fletcher, Crank Software Tobias Welti, ZHAW Zurich University of Applied Sciences
	Enhanced GUI and HMI Design possibilities using force sense and ha	otics	Michael Nussbaumer, next system
	Session 3: Improvements in Color Performance	S	iession 4: Microdisplays
15:40 - 16:00	Achieving BT. 2020 color gamut – Quantum Dots vs. Lasers Dr. John H	o, QD Vision	k Electronic View Finder based on QXGA Microdisplay Dr. Henning Molsen, Forth Dimension Displays
16:00 - 16:20	Stable Color Gamut for High-End Professional Displays Stefan Carton, NDF – Special Li		ow power low cost LCD based head-mounted display Jean-Michel Asfour, DIOPTIC
16:20 - 16:40	Finding meaningful numbers to describe viewing cone characteristics Development of ISO 12646 Peter Karp, Konica Mir		Adaptive interactive data-glasses Prof. Dr. Rigo Herold, University of Applied Sciences Zwickau
16:40 - 17:00	Challenges for LEDs in Outdoor environments Sven Weber-Rabsilber, OSRAM Opto Sen		aser beam scanning (pico-)projection display based on resonant nicromirrors Christian Mallas, Fraunhofer ISIT
17:00 - 17:20	Author Interviews & 30th Anniversary edC		
	Thursday, 25 Fe	abruary 201	16
	Session 5: Haptic Touch		asurement Devices
09:00 - 09:20	HAPTIVITY – Virtual reality for mechanical button feeling Dr. Matthias Neundorf, Kyocera Display Europe		2-in-1 Imaging Colorimeter for Display Production Applications Dr. Martin Wolf, Instrument Systems
09:20 - 09:40	Building tactile feedback into touch displays Chris Travis, Redux Labs	Conoscopic me	easurements for displays – advantages and limitations Dr. Udo Krüger, TechnoTeam
09:40 - 10:00	The Use of Force Sensing to Enhance Capacitive Touchscreens in Industrial and Automotive Applications Chris Ard, Touchnetix	Improved Disp Colorimeter	olay Color Measurements with the WP214 Imaging Spectral Chad Greene, Tim Moggride, Westboro Photonics
10:00 - 10:40	Author Interviews, Poster Session, 30th Anniversary edC & Coffee (40 n		
	Session 7: Touch Enhancements		asurement Methods
10:40 - 11:00	Water, conductive liquids and gloves – a challenge for PCAP systems	Measurements	s and simulations of outdoor characteristics of different types of displays:
11:00 - 11:20	Markus Hell, Alexander Trica, DATA MODUL Antibacterial active glass	application to realistic spectral ray tracing simulation of displays Dr. Pierre Boher, ELDIM Reflection characteristic measurements of displays made easy by luminance imager	
	Pascal Meier, Glas Trösch	and gloss met	
11:20 - 11:40	Chemically tempering of Sol-Gel coated anti-reflective glasses for		cterization of Anti-Glare Layers Dr. Michael Becker, lesstechnik & Systeme; Dr. Thomas Fink, Porsche; Dr. Udo Krüger, Techno Team
11:40 - 13:00	display applications Dr. Marten Walther, SCHOTT Author Interviews, Poster Session, 30th Anniversary edC & Lunch (20 m		lesstechnik & systeme, Dr. momas Fink, Polsche, Dr. odo Kruger, lechno leam
11.40 - 13.00	Keynote-Session: Trends & Automotive	in + 60 min)	
13:00 - 13:25	Keynote: Market Trends		Bob Raikes, Meko
13:25 - 13:50	Keynote: Automotive Display		Dr. O.S. Yang, Dr. B.W. Lee, Samsung
13.23 13.30	Session 9: Display Market & Analysis	Session 10: O	LEDs & Quantum Dots
13:55 - 14:15	Display Market Overview: Chinese companies gaining control? Paul Gray, IHS Technology		ds: the rise of flexible OLED and quantum dots Dr. Guillaume Chansin, IDTechEX
14:15 - 14:35	Race to the bottom Ian Hendy, Hendy Consulting	Cost-efficient applications	manufacturing process for barrier films suitable for flexible OLED Jürgen Kreis, AIXTRON
14:35 - 14:55	Trend Scouting in the Display Market: new opportunities for consumer insights from big data analytics (case social media mining)		ountered using Phosphors and Quantum dots for Display Screens
	Dr. Markus Czanta, Merck		
14:55 - 15:15	Author Interviews & Coffee (20 min)		
	Session 11: Free-Form & Flexible Displays	Session 12: Di	isplay Interfaces & Optimization
15:15 - 15:35	Free-Form Displays: a Revolutionary Class of LCDs for New Applications Dr. Graham Cairns, Sharp Devices Europe	DSI or eDP or	? Video Interfaces for Next Generation Automotive Display Jochen Schyma, Inova Semiconductors
15:35 - 15:55	Technology and Applications for flexible and robust Displays Dr. Matthias Tortschanoff, Plastic Logic	Jochen Schyma, Inova Semiconductors USB Type C 'Alternate Mode' enables DisplayPort graphics interface Rudolf Sosnowsky, Hy-Line Computer Components	
15:55 - 16:15	Flexible and Conformable Displays Dr. Jan-Laurens van der Steen, Holst Centre/TNO Preserving Brilliance of Automotive Dis		bal Dimming Based on Image Analysis for Power Saving and
16:15 - 16:45	Wrap-Up, Summary & Author Interviews (10 min + 20 min)		

Components

16:15 - 16:45 Wrap-Up, Summary & Author Interviews (10 min + 20 min)

More information: www.electronic-displays.de



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: DESIGN (3)

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Day 2 - 25 February 2016

Optimization









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Please send fax-registration to

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- □ 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

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	Session 1: Automotive Displays	Session 5: Haptic Touch
	Session 2: Displays QA &	Session 6: Measurement Devices
	Improvements	Session 7: Touch Enhancements
	Session 3: Improvements in	Session 8: Measurement Methods
	Color Performance	Session 9: Display Market & Analysis
	Session 4: Microdisplays	□ Session 10: OLEDs & Quantum Dots
		Session 11: Free-Form & Flexible Displays
		□ Session 12: Display Interfaces &

□ 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



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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.)

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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 oneday 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.

 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.
 Students Conference fee: EUR 49 (incl. proceedings and exhibition ticket, excl. lunch voucher), student ID required. Please email to JSpaeth(at)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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