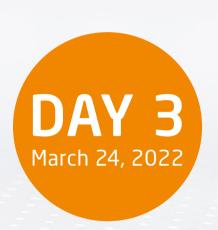




Conference Program

LOPEC 2022

The meeting point for the printed electronics industry

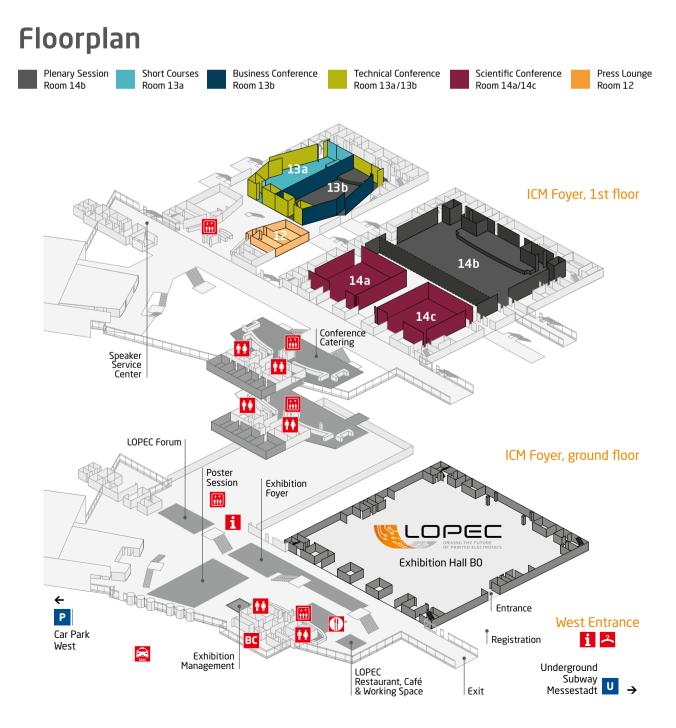




Overview

Conference Program - Day 3





	PLENARY SESSION Room 14b			
	Eco-designed flexible and printed electronics gain support in Horizon Europe Dr. Henri Rajbenbach (invited speaker) Research program officer and senior expert European Commission BE			
	Accelerating innovation for smart medical devices Prof. Ronald Dekker (invited speaker) Principal architect Philips NL Future directions in flexible electronics - Fraunhofer FEP Prof. Elizabeth von Hauff (invited speaker) Institute Director/Professor Fraunhofer FEP DE			
	BD IML touch panels manufactured with Functional Foil Bonding (FFB) Christoph Ernst (invited speaker) Sales Director IT Kunststoff Helmbrechts AG DE; Christian Rühe GE-T GmbH DE			
10:40	Student Poster Award			
10:50	TECHNICAL CONCERCION AS		AK 40 min	COLUMNIC CONCERCION A
	TECHNICAL CONFERENCE Room 13a	TECHNICAL CONFERENCE Room 13b inck CTO Holst Centre - TNO NL	SCIENTIFIC CONFERENCE Room 14a	SCIENTIFIC CONFERENCE Room 14c i Professor University of Bari IT
	Conference Chair, Froi, derwin der	inck CTO Hoist Centre - TNO NC	Conference Chair, Fron. Cuisa Tors	Innovative processes with functional inks
	Biomedical and healthcare applications Session Chair: Dr. Kerry Adams	Flexible and large-area displays Session Chair: Edzer Huitema	Strategic devices Session Chair: Prof. Fabrizio Torricelli	Session Chair: Dr. Chloé Bois General Manager - NSERC Industrial Research
	Director Ventoux Ltd GB	Chief Technology Officer E Ink Corporation US	Professor University of Brescia IT	Chair for Colleges in Functional Printed Applications Ma ICI CA
11:30	Electrochemical biosensors for biomedical and healthcare	Electronic ink films can enhance automotive design, performance, and user experience	Organic neuromorphic electronics Paschalis Gkoupidenis (invited speaker)	Printed interconnects for integration of flexible GMR sensor arrays into eddy-current
	Dr. Martin Peacock (invited speaker)	Pete Valianatos (invited speaker)	Research Group Leader	probes and contactless switching devices Dr. Mykola Vinnichenko
	Co-founder and Director Zimmer and Peacock Ltd GB	Senior Director, Strategic Initiatives E Ink Corporation US	Max Planck Institute for Polymer Research DE	Group Manager Fraunhofer IKTS DE
	Printed conformable sensors make your base layer a medical system	Stretchable fully screen printed electrochromic displays	Fully inkjet-printed, all-solid micro super- capacitors based on mesoporous Mn304	3D printing capacitive tactile sensors: A comparison study
	Markus Strecker CEO Teiimo GmbH DE	Ulrika Linderhed	Sushree Priyadarsini PhD scholar	Ana Silva PhD student
	Ceo i Tellillo dilibri i De	Research Engineer RISE Research Institutes of Sweden AB SE	Indian Institute of Science Bangalore IN	University of Aveiro PT
		Lighting		
		Session Chair: Claudia Keibler-Willner Head of department Fraunhofer FEP DE		
	Microneedle-based biosensor system for	Advancing OLED lighting technology for	Understanding exciton dynamics in	Study of functional and aesthetic
	continuous monitoring of molecular biomarkers in the dermal interstitial fluid	automotive applications Ivo Rutten	OPV and organic sensors Dr. Tobias Neumann	stretchable inks for in mold electronics Dr. Silvia Zabala
	Dr. Giorgio C. Mutinati Senior Research Engineer / Project Manager	Head of Display Business – Strategy and Partnerships OLEDWorks DE	Chief Executive Officer Nanomatch GmbH DE	Head of Printed Electronics Area Centro Stirling ES
	AIT Austrian Institute of Technology GmbH AT			
	Large-area sensing surfaces and human machine interfaces enabled by hybrid printed electronics	increased environmental and physical stability	Printed vertical transport narrow-channel NMOS and fully printed CMOS inverters	
	Dr. Peter Zalar Program Manager - Large-Area Printed Sensors	Paul Sparenborg (invited speaker) Sales Director	Devabharathi Nehru Indian Institute of Science IN	
12:50	Holst Centre - TNO NL	LUMITRONIX® LED-Technik GmbH DE	70 min	
12.50	Circular economy and green electronics	3D structural electronics	Smart sensors for quality control	Innovative processes for
	Session Chair: Jérôme Gavillet EU programs manager CEA-LITEN FR	Session Chair: Jörg Franke Professor (full) Friedrich-Alexander Universität	Session Chair: Barbara Stadlober Head of Research Group JOANNEUM RESEARCH	patterning and adhesion Session Chair: Dr. Henning Richter
14:00	Biodegradable electronics as a contribution	Erlangen-Nürnberg DE A flexible way to build 3D structural electronics	Forschungsgesellschaft mbH AT Ultra-thin and lightweight organic amplifier	VP, Research and Development Nano-C, Inc. US Ultra-precise deposition:
	to a green and sustainably world Dr. Christian May (invited speaker)	Richard Vereijssen (invited speaker) Product Marketing Manager	enabling bio-signal monitoring with reduced noise levels	A versatile tool for microfabrication Dr. Filip Granek
	Division Manager Fraunhofer FEP DE	Yamaha Motor Europe N.V. I DE	Prof. Tsuyoshi Sekitani (invited speaker) Professor Osaka University IP	XTPL SA I PL
	Circular economy for printed electronics	Polypropylene films and injection molding	Organic optoelectronic components in	Printing process and system design for
	Dr. Gaël Depres Circular economy working group manager	resins for In-Mold Structural Electronics Eva Garcia	highly integrated systems for plasmonics sensing in food security/quality	magnetic nanoparticle ink patterning and mapping
	AFELIM I FR	Advisor Engineer REPSOL QUIMICA S.A. ES	Stefano Toffanin Research Director Consiglio Nazionale	Prof. Silvia Schintke Professor, Head of Laboratory of Applied
			delle Ricerche (CNR) IT	NanoSciences COMATEC-LANS, HEIG-VD/HES-SO University of Applied Sciences and Arts Western
14:40	Hybrid printed electronics as enabler for	High throughput process for printed sensor	Printed integration of a memory device	Switzerland CH Ultra-thin and eco-friendly selective
	sustainability Corne Rentrop	integration in smart composite Sophie Mahé	with a temperature sensor based on CuxS Johannes Jehn	metallization process Samuel Stremsdoerfer
	Project leader Holst Centre - TNO NL	IPC I FR	PhD Candidate Hochschule München University of Applied Sciences DE	CEO I JET METAL I FR
	Biodegradable organic TFT on	Micro 3D printing of polymer functional	Real-time water quality monitoring	Improving adhesion of printed layouts at
	biodegradable substrates Dr. Michael Hoffmann	structures via two-photon polymerization Dr. Amruth C	for lead and nitrate detection Austin Peters	the level of various polymeric substrates based on plasma pre-treatments
	Senior Scientist Fraunhofer FEP DE	Post-Doctoral Fellow King Abdullah University of Science and Technology SA	Device Systems Engineer Brewer Science Inc. US	Dr. Rakel Herrero Project Manager NAITEC ES
15:20			AK 40 min	
	Energy Session Chair: Dr. Ronn Andriessen	Smart textiles Session Chair: Marina Toeters	Smart sensors for wearable applications Session Chair: Donald Lupo	Advanced materials Session Chair: Prof. Ronald Österbacka
16:00	Director Solliance/TNO NL Drivers and constraints for an	Designer in fashion technology by-wire.net NL Electronic textiles:	Professor Tampere University FI Ferroelectrics and organic electronics	Professor Åbo Akademi University Fl Highly conductive and stretchable filament
	OPV 2.0 market Dr. Ralph Paetzold (invited speaker)	Use cases beyond wearable technology Madison Maxey (invited speaker)	integrated for biomedical and active matrix sensing	for Fused Deposition Modeling
	CEO I ASCA I DE	CEO I Loomia I US	Herbert Gold	Hongye Sun Post-doc Karlsruhe Institute of Technology DE
			Senior Scientist JOANNEUM RESEARCH Forschungsgesellschaft mbH AT	
	Novel design for water electrolysis and fuel cell technology	Pressure sensor using conductive carbon: Cellulose nonwoven textile material	Ultrathin and fully printed pressure sensor for biosignal monitoring	Industrial roll-to-roll manufacturing of solution-processed, non-fullerene based
	Thi Hai Van Nguyen PhD Fundació Eurecat Centre Tecnològic	Dr. Xin Wang Research scientist RISE SE	Karem Lozano Montero Doctoral Researcher Tampere University Fl	organic photovoltaics Ngoc-Le Maria Lena Nguyen
	de Catalunya ES			Research Scientist ASCA GmbH DE
17:00	Direct printed battery-on-flexible circuit boards for smart device applications (POETICS Project)	3D printing of conductive patterns on textiles	3D digital manufacturing of soft and smart sensing wearables	Flexible transparent heater fabricated from spray-coated doped ZnO/Ag-NWs/doped ZnO
	Paolo Melgari Principal Scientist CPI GB	Evelyn Lempa Research Scientist Niederrhein University DE	Danick Briand Senior Scientist Ecole Polytechnique	multilayers on polyimide foil Dr. Theodoros Dimopoulos
			Fédérale de Lausanne (EPFL) CH	Senior Scientist AIT Austrian Institute of Technology AT