

Day 1 - Wednesday 23rd February 2022

08:30	Log-on - Check out the platform, schedule, sponsors, posters		
09:10	Session 1.1	Dr Tim Phillips, innoLAE 2022	Welcome to Day 1
09:20	Session 1.2	Gold Sponsor Presentation from E+R	
09:30	Keynote 1.3	Prof Takao Someya, University of Tokyo	Electronic skins and the next- generation wearables for medical applications
10:15	Product Presentation from XTPL		Break - Sponsor Exhibitions & Posters
10:45	Session 2	Manufacturing Session Chair: Dr Neil Chilton, Printed Electronics	Session 3 Bioelectronics I Session Chair: Prof George Malliaras, University of Cambridge & Prof Krishna Persaud, University of Manchester
	2.1	Prof Matti Mäntysalo, Tampere University (Invited) Printed conformable body-worn sensors and systems for health monitoring	3.1 Ana Maiques, Neuroelectrics (Invited) A new era of personalized treatment, neurotwin: meet the digital copy of your brain
	2.2	Dr Firat Güder, Imperial College London (Invited) Fabrication of wearable sensors with computerised embroidery	3.2 Dr Anna Shirinskaya, Omini Labs (Invited) Multisensing platform for heart failure patient monitoring
	2.3	Ziam Ghaznavi, Emerson & Renwick R2R nanofabrication process for nanoscale Cu metal mesh transparent conducting electrodes	3.3 Tomás Pinheiro, CENIMAT, i3N Paper-based, laser-induced graphene for bioelectronic applications and electrochemical sensor production
	2.4	Dr Filip Granek, XTPL Ultra-precise deposition: an additive manufacturing process for large-area electronics	3.4 Prof Dr Jean Manca, Universiteit Hasselt /X-LAB Cable bacteria : electrifying 'bad guys' with record intrinsic electrical properties as biological electronic materials
	2.5	Steve Haws, University of Cambridge Ambient processing cluster tool	
12:50	Break - Sponsor Exhibitions & Posters		
13:00	Session 4	Panel Discussion: Towards next generation wearable devices Chaired by Dr Luigi Occhipinti, University of Cambridge	
13:30	Lunch - Sponsor Exhibitions & Posters		
14:40	Session 5.1	Silver Sponsor Presentation from SISTEM Technologies	
14:45	Keynote 5.2	Prof John Rogers, Northwestern University	Soft, skin-interfaced hybrid electronics for clinical-grade wearables
15:30	Break - Sponsor Exhibitions & Posters		
16:00	Session 6	Novel Devices & Systems I Session Chair: Dr Dimitra Georgiadou, University of Southampton	Session 7 Bioelectronics II Session Chair: Dr Roozbeh Ghaffari, Epicore Biosystems / Northwestern University
	6.1	Prof Oana Jurchescu, Wake Forest University (Invited) RAD-OFETs: Large-area, tissue-equivalent, radiation dosimeters based on organic transistors	7.1 Dr Francesca Santoro, IIT (Invited) In Vitro Biomimetic Electronics
	6.2	Prof Frederik Krebs, infinityPV (Invited) Seeing solar as it rolls by	7.2 Dr Paschalis Gkoupidenis, Max Planck Institute for Polymer Research (Invited) Organic neuromorphic electronics: bio-inspired functions and sensorimotor learning in robotics
	6.3	Dr (Sam) Yun Fu Chan, CPI Direct printed battery-on-flexible circuit boards for smart device applications (POETICS Project)	7.3 Liam Johnson, University of Manchester Screen printed, non-invasive electrophysiology probes for the mouse model
	6.4	Jeroen Hustings, Universiteit Hasselt /X-LAB Photovoltaic photographs - blending 'the power of beauty' and 'the beauty of solar power'	7.4 Lawrence Coles, University of Cambridge Large area bioelectronics with shape actuation for minimally-invasive electrocorticography
	6.5	Dr (Andy) Wenyu Wang, University of Cambridge Conducting fibre printing towards 3D sensing architectures and bio-interface devices	7.5 Dr Leslie Askew, University of Surrey Interlayer effects in organic semiconductor layered systems in optoelectronic prosthetic prototype
18:05	Break - Sponsor Exhibitions & Posters		
18:15	Session 8	Panel Discussion: Power sources for Flexible Hybrid Electronic systems – Printed batteries and energy harvesting Chaired by Dr Simon Johnson, CPI	
18:45	Evening Networking Reception		

Day 2 - Thursday 24th February 2022

09:00	Session 9.1	Dr Tim Phillips, innoLAE 2022	Welcome to Day 2	
09:05	Keynote 9.2	John Biggs, arm	PlasticARM: Challenges of TFT VLSI on a flexible substrate	
09:50	Break - Sponsor Exhibitions & Posters			
10:00	Session 10	Novel Devices & Systems II Session Chair: Cathy Curling, Curling Consulting	Session 11	High Performance Materials I Session Chair: Dr Natasha Conway, Paragraf
	10.1	Dr Wim Christiaens, Quad Industries (Invited) Flexible printed electronics: a world of opportunities	11.1	Prof Dr Maria Antonietta Loi, University of Groningen (Invited) Scalable, template driven formation of highly crystalline lead-tin halide perovskite films
	10.2	Dr Ana Rovisco, NOVA.iD.FCT Sustainable zinc-based nanostructures for energy harvesting applications	11.2	Dr Mario Lanza, KAUST (Invited) Integrated circuits made of 2D materials
	10.3	Dr Mahmoud Wagih, University of Southampton Radio frequency-enabled "green" large area electronics: from robust sensors to biodegradable antennas	11.3	Prof Cinzia Casiraghi, University of Manchester Wireless and wearable humidity sensors with enhanced stability and sensitivity made with water-based hexagonal boron nitride inks
	10.4	Dr Claudia Delgado Simão, Fundació Eurecat Novel fully printed piezoelectric devices for sustainable electronics and wearable applications	11.4	Dr Jorge de Souto Martins, i3N/CENIMAT and CEMOP/UNINOVA, FCT-UNL Tantalum/silicon multicomponent oxides as gate dielectrics for flexible electronics
	10.5	Dr Matthew Dyson, IDTechEx 3D/additive electronics: New methods for new applications?		
12:05	Demonstration from Printed Electronics		Lunch - Sponsor Exhibitions & Posters	
14:00	Keynote 12.1	Prof Aaron Franklin, Duke University	Print-in-place and recyclable electronics from nanomaterials	
14:45	Demonstration from Meteor Inkjet		Break - Sponsor Exhibitions & Posters	
15:15	Session 13	High Performance Materials II Session Chair: Prof Henning Siringhaus, University of Cambridge	Session 14	Applications & Sustainability Session Chair: Dr Emre Ozer, ARM
	13.1	Dr Zhichao Weng, Paragraf & Queen Mary University of London (Invited) Mass-producible graphene replacing Indium Tin-Oxide in OLEDs	14.1	Dr Russel Torah, University of Southampton (Invited) WEARPLEX – printed wearable multiplexed electrodes using electrical stimulation and electrophysiological recording arrays
	13.2	Prof Barry Rand, Princeton University (Invited) Can metal halide perovskite light emitting diodes be very bright?	14.2	Joshua Young, OE-A (Pragmatic) (Invited) From cradle to grave – How flexible electronics can enable a more sustainable future
	13.3	Prof Vincenzo Pecunia, Simon Fraser University High-performance colour-selective light sensing with solution-processed organic semiconductors	14.3	Kevin Rodrigues, CeNTI Printed wind sensors for urban wind turbines
	13.4	Arka Mukherjee, IISER Thiruvananthapuram Ultralow voltage field-effect transistors of nanometer-thick transparent amorphous indium-gallium-zinc oxide films	14.4	Dr Emanuel Carlos, UNINOVA Printed metal oxides: a demand for sustainable electronics
	13.5	Sam Dale, IDTechEx Emerging opportunities for transparent conductors	14.5	Cristina Furtado, CeNTI Printed devices for the future of automotive human-machine-interface
17:20	Session 15	Speaker Prize sponsored by Emerson & Renwick Poster Prize sponsored by ARM & SISTEM Technologies		