innoLAE 2018 Poster Presentations

Pelumi W. Oluwasanya, Luigi G. Occhipinti
Pervasive PM25 detection and monitoring: capacitive method
University of Cambridge

Arfan Ghani
Low power sensing and integrated healthcare system within smart cities
Coventry University

Kai Zhang
Roll-to-Roll manufacture of OTFT sensors based on PVDF
University of Oxford

Emre Ozer
PlasticArmPit: Accelerating the development of flexible integrated smart systems
ARM

Julianna Panidi, Alexandra F. Paterson, Dongyoon Khim, Zhuping Fei, Yang Han, Leonidas Tsetseris, George Vourlias, Panos A. Patsalas, Martin Heeney, and Thomas D. Anthopoulos
High Mobility Organic Semiconductors for Transistors
Imperial College London, National Technical University of Athens, Aristotle University of Thessaloniki, King Abdullah University of Science and Technology (KAUST)

Xiang Cheng, Yoann Courant, Mohammed Firas, Prof. Arokia Nathan
Modelling of TFT s-parameters and extraction of cut-off frequency
University of Cambridge

Hanleem Lee, Felice Torrisi
Molecular Engineering For Developing MoS2 Thin Film Field Effect Transistor
University of Cambridge, Sungkyunkwan University

Shiv Bhudia, Ana Beaumont, Xiang Chen, Pedro Barquinha, Arokia Nathan
Static and dynamic modelling of oxide TFTs with high-κ multilayer dielectrics
CENIMAT/I3N Universidade Nova de Lisboa

Joe Troughton
Advances in Low Temperature IGZO TFT preparation for large area flexible electronics
Durham University

Bowen Zhang, Judith Driscoll
Preparation transfer and characterization of very high quality freestanding oxide thin films
University of Cambridge

Ahmed Y. Ismail, Thomas D. Anthopoulos, Martyn A. McLachlan
Thermally evaporated nickel oxide as charge transport layer for photovoltaics
Imperial College London, Zagazig University

Lana Lee, Dr Robert Hoye, Boadan Zhao, Dawei Di, Mari Napari, Judith Driscoll
Atmospheric pressure chemical vapour deposition of p-type NiOx for perovskite solar cells
University of Cambridge

Donal O'Sullivan
New approaches to the development and manufacture of power harvesting and flexible electronics devices
Sherkin Technologies

Canlin Ou, Abhijeet Sangle, Anuja Datta, Sohini Kar-Narayan
Turning up the heat on energy harvesting: flexible printed thermoelectric nanogenerators
University of Cambridge

Constantinos Tsangarides, Arokia Nathan, Yoann Courant, Mohammed Firas
Modelling of size-effect on thermoelectric parameters of PEDOT:PSS thin films
University of Cambridge

Zakaria Saadi, Simon G. King, Vlad Stolojan, Jose V. Anguita, and S. Ravi P. Silva
Thermoelectric devices based on carbon nanotubes
University of Surrey

R.D.I.G. Dharmasena, K.D.G.I. Jayawardena, C.A. Mills, R.A. Dorey, S.R.P. Silva
Triboelectric Nanogenerators – A theoretical framework for the expansion towards large area electronic applications
University of Surrey

C. Banjongprasert, W. Pongsaksawad, A, Jak-ra
Development of Al-Zn Alloy Anodes for Al-Air Battery by Severe Plastic Deformation
Chiang Mai University

Youmna Mouhamad, Eifion Jewell, Justin Searle, Geraint Williams and Trystan Watson
Charge collection from hybrid metal / metal oxide transparent conductors
Swansea University

M. I. Caupers, J. Leppäniemi, M. Vilkman, L. Pereira, E. Fortunato, R. Martins, A. Aastalo, M. Smolander
Optimization of Printed Inverted Organic Solar Cells
CENIMAT/I3N Universidade Nova de Lisboa, and VTT

J.T Carvalho, M. Franco, V. Dubceac, A. Kiazadeh, M. Gall, A. Clausner, A. Garitagoitia Cid, E. Zschech, Elvira Fortunato, R. Martins, L. Pereira
Printed ZnO nanoparticles for applications in transistors and memory devices
CENIMAT/I3N Universidade Nova de Lisboa, and Fraunhofer ICTS

J. Almeida, J. Leppäniemi, L. Pereira, E. Fortunato, R. Martins, A. Aastalo, M. Smolander
Fabrication and Functionalization of printed In2O3 Thin Film Transistors for Biosensing Applications
CENIMAT/I3N Universidade Nova de Lisboa, and VTT

I.B.Dimov, H. Sirringhaus, K. Franze
Mechanically compliant devices for long-term peripheral neural Interfaces
University of Cambridge

Stuart Higgins, Alessandra Lo Fiego, Michele Becce, Hyejeong Seong, Christopher Spicer, Molly Stevens
Combining organic bioelectronics and nanostructures for cell Interfacing
Imperial College London

Robyn Worsley, Daryl McManus, Freddie Withers, Veronica Sanchez-Romaguera, and Cinzia Casiraghi
Inkjet Printing of Water-based and Biocompatible 2D Crystal Inks on Different Substrates
University of Manchester

Yeonsik Choi
Advanced printing technique for polymer nanocomposites
University of Cambridge

Jincheng Tong, Amadou Doumbia, Adriana Alieva, Michael Turner, Cinzia Casiragh
Gas Blow Coating to Control the Crystal Morphology in Thin Films of Organic Semiconductors for use in Large Area Electronic Devices
University of Manchester

Ben Clifford, David Beynon, Chris Phillips, Davide Deganello
Optimisation of aerosol jet deposition for the development of novel printed electronics devices
Swansea University

Shengyang Chen, Paul Stavrinou, Natalie Stingelin, Ioan Botiz
Convective self-assembly a versatile tool for assembling and ordering organic/inorganic nanoparticles into hierarchical structures on large areas
Imperial College London

Bahaa Abbas, John Lau, Youmna Mohammad, Eifion Jewell, Justin Searle & Tim Claypole
A study of the potential for photonic processing of nano copper
Swansea University

Thomas D.A. Jones, Ms Assel Ryspayeva, Jose Marques-Hueso and Marc P.Y. Desmulliez, Mohammadreza N. Esfahani, Russel Harris, Robert W. Kay
Direct metallisation method onto 3-D printed polyetherimide Substrates
Heriot-Watt University

Wenyu Andy Wang, Xia Li, Yan Yan Shery Huang
Core-shell electrospinning of micro/nano flexible silver fibre
University of Cambridge

B. Notebaert, M. Gaceur, F. Mammeri, N. Battaglini, S. Ammar
Engineering soft chemistry materials to large area QD-ACTFEL electroluminescence devices
ITODYS Laboratory

C P Watson, E M Lopes, R F de Oliveira, N Alves, J A Giacometti and D M Taylor
From photo-capacitance to optical sensors and imaging arrays
Bangor University

Parikshit Sahatiya and Sushmee Badhulika
Flexible MoS2 (n)-CuO (p) based piezotronic diode for active analog frequency modulator and broadband photodetector
Indian Institute of Technology Hyderabad

H. M. Thirimanne, K. D. G. I. Jayawardena, C. A. Mills, S. R. P. Silva
Inorganic-organic hybrid X-ray detectors as wearable real-time Dosimeters
University of Surrey

Wenbo Zhu, Jing Wang, Zhaoxia Zhou, Changqing Liu
Self-propagating bonding process to enable large area electronics assembly
Loughborough University