



Innovations in Large-Area Electronics Conference

innoLAE
2017

31 January-1 February 2017

Wellcome Genome Campus, Cambridge UK

The latest results from the UK Research Community;

The latest developments from manufacturers, integrators and users worldwide

www.innolae.org

Call for papers

Large-Area Electronics (including printed, plastic, organic and flexible electronics) is a new way of making electronics. It is enabled by new manufacturing processes and by new materials that can be processed at low-temperatures. Large-Area Electronics (LAE) not only opens up new markets for electronics, but also grows existing markets, with products having new form factors, new cost structures and the capability for customisation. Applications abound in high growth industrial sectors such as Fast Moving Consumer Goods, Healthcare, Automotive, the Internet of Everything and Smart Wearables. The new form factors possible with LAE allow electronic systems to be deployed in a wide variety of non-traditional situations: on paper and plastic, on clothes, in furniture, cars and buildings, as well as on packaging and even in and on the human body.

Following the success of previous events, the 3rd innoLAE 2017 conference and exhibition will present a varied 2-day programme featuring a mix of academic and industry contributions highlighting the most recent and exciting aspects of LAE, their manufacture and the development of products incorporating their technologies, including topics such as:

1. **Flexible hybrid electronics** (e.g. combination of organic and printed electronics with thinned and unpackaged silicon devices, stretchable hybrid electronics, novel interconnects)
2. **Emerging materials and technologies for LAE** (e.g. stretchable, biocompatible and biodegradable substrates, organic and inorganic semiconductors, conductors and novel dielectrics, quantum dots, and magnetic materials)
3. **Energy harvesting and storage for LAE** (e.g. RF, piezo, thermal and solar harvesting, printable batteries and supercapacitors)
4. **Bio-electronics for applications in healthcare** (e.g. biosensors and electronics to interface biological tissue)
5. **Internet of Things and large area electronic sensor technologies** (e.g. applications of LAE-based sensors for IoT, manufacturing technologies and applications of LAE components and systems for IoT and wireless sensor networks)
6. **Novel manufacturing paradigms for LAE** (e.g. photonic transfer, paper and fibre-based electronics, sheet-to-sheet and roll-to-roll flexible electronics, and novel aspects of metrology, reliability and yield)
7. **Smart wearables and stretchable/ultra-flexible electronics** (e.g. applications of stretchable and ultra-flexible electronic technologies in smart wearables)

Call for papers *(continued)*

innoLAE 2017 represents a unique opportunity to hear the latest developments from UK and international research and industrial teams active in LAE technology, and keynotes from leading international researchers and end-user organisations.

innoLAE 2017 will offer both plenary and parallel track oral presentations, a poster session with poster prizes awarded to the most promising scientific and technical developments, an exhibition with leading companies and organizations showcasing their latest developments, networking opportunities including drinks reception and conference gala dinner at Downing College, in Cambridge, UK.

Guidelines for submission

Interested contributors are invited to submit a short abstract (1 page in length, including figures, font size 11pt or higher) and a short biography (up to 10 lines) to info@largeareaelectronics.org by the deadline, indicating a preference for either oral or poster presentation, and providing up to 5 keywords related to the contribution.

Contributors whose papers are accepted for oral presentation will be entitled to register for the conference at a discounted rate (50%).

Key dates

Deadline: submission of abstracts and a short biography by close of business **16 October 2016** (changes and corrections will be accepted until the deadline). **We will accept late submissions for poster presentations only.**

Notification: we aim to notify contributors of the Programme Committee's decision by **15 November 2016**.

innoLAE 2017 Programme Committee

[Cathy Curling](#), *Curling Consulting, UK*

[Ravinder Dahiya](#), *University of Glasgow, UK*

[Tom Harvey](#), *Centre for Process Innovation Ltd, UK*

[Alan Hodgson](#), *Alan Hodgson Consulting Ltd, UK*

[Mark Leadbeater](#), *EPSRC Centre Programme Manager, Cambridge, UK*

[Donald Lupo](#), *Tampere University of Technology, Finland*

[Luigi Occhipinti](#), *EPSRC Centre Outreach Manager and Conference Chairman, Cambridge, UK*

[Simon Ogier](#), *NeuDrive Ltd, UK*

[Catherine Ramsdale](#), *PragmatIC Printing Limited, UK*

[Chris Rider](#), *EPSRC Centre Director, Cambridge, UK*

[Henning Siringhaus](#), *University of Cambridge, UK*

[Natalie Stingelin](#), *Imperial College London, UK*

[Martin Taylor](#), *Bangor University, UK*

[Michael Turner](#), *University of Manchester, UK*