

RAEng workshop on

Alternative device concepts for flexible electronics

Exploring the potential of source gated transistors for flexible circuits,
unobtrusive sensor systems and innovative wearable applications

Date:

Monday November 25th, 2024

Location:

Royal Academy of Engineering
Prince Philip House
3 Carlton House Terrace
London SW1Y 5DG
United Kingdom

Online participation possible

Free registration:

Online registration - RAEng workshop on Alternative device concepts for
flexible electronics

More information:

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Program:

8:30 – 9:00	Welcome
09:00– 09:30	Radu Sporea University of Surrey Niko Münzenrieder Free University of Bozen-Bolzano Eva Bestelink University of Surrey <i>Introduction</i>
09:30– 09:50	Yukiharu Uraoka Nara Institute of Science and Technology [online] <i>High Performance Oxide TFTs deposited by ALD Method</i>
09:50– 10:10	Giuseppe Cantarella Università degli Studi di Modena e Reggio Emilia <i>Green and Sustainable Thin-Film Devices and Textiles</i>
10:10– 10:30	Andrew Flewitt University of Cambridge <i>Atomic Layer Deposited p-type Oxides for Thin Film Transistor-Based CMOS on Flexible Substrates</i>
Coffee break	
11:00 – 11:20	Hagen Klauk MPI for Solid State Research <i>Flexible High-Frequency Low-Voltage Organic Thin-Film Transistors</i>
11:20 – 11:40	Thomas Anthopoulos The University of Manchester <i>Self-aligned gate transistors with atomically engineered electrode work function</i>
11:40 – 12:00	Ivan Shorubalko EMPA [online] <i>cQDs-based opto-electronics for miniaturized and integrated sensing solutions</i>
Lunch	
13:40 – 14:00	Alexander Ling [RAEng Distinguished International Associate] National University of Singapore <i>Opto-electronics for quantum technology onboard nanosatellites</i>
14:00 – 14:20	Leo Choe Peng [RAEng Distinguished International Associate] Universiti Sains Malaysia [online] <i>Life cycle assessment on semiconductors</i>
14:20 – 14:40	Júlio Costa Pragmatic Ltd <i>A Flexible journey towards sustainable Semiconductor innovation</i>
14:40 – 15:00	Pavel Borisov Loughborough University [online] <i>Diffusive memristors on flexible substrates</i>
Coffee break	
15:30 – 15:50	Yevhen Zabala Helmholtz-Zentrum Dresden-Rossendorf <i>Flexible, printed, and eco-sustainable magnetic field sensors</i>
15:50 – 16:10	Pasindu Lugoda Nottingham Trent University <i>Conformable textiles integrated with flexible sensors</i>
16:10 – 16:30	Manish Tiwari University College London <i>Flexible sensors for surgical and interventional sciences</i>
16:30 – 18:00	Discussion

By appointment only:

Dinner at **The Clarence** 53 Whitehall, Westminster, London