



Wednesday 25th June 2025

Room TL325a, Learning and Teaching building, University of Strathclyde

9.30	Registration and coffee
10.10	Opening remarks
10.15	Plenary talk
M. Grundmann Universität Leipzig	<i>Ultrawide gap gallium oxide: Epitaxy of various phases, doping and device properties</i>
11.00	Coffee break
11.30	CHARACTERISATION SESSION
C. Dawe University of Manchester	<i>Electrically active defects in Ta-doped β-Ga₂O₃ grown via the optical floating zone method</i>
L. Penman University of Strathclyde	<i>Comparative study of the optical properties of α-, β-, and κ-Ga₂O₃</i>
F. Hrubisak Slovak Academy of Sciences	<i>The effect of hydrogen on electrical properties of depletion-mode MOSFETs fabricated from β-Ga₂O₃ on 4H-SiC substrates</i>
S. Douglas University of Strathclyde	<i>Radiation resilient Ga₂O₃ photodetectors for applications in Low Earth Orbit</i>
12.30	Poster flash presentations
13.00	Lunch + Posters
14.00	GROWTH SESSION
M. Bosi IMEM-CNR	<i>Nucleation of β and κ phases in MOVPE growth of Ga₂O₃: experimental evidence and first principles modelling</i>
P. Fabianno Agnitron	<i>Scalable MOCVD Growth of β-Ga₂O₃ on 4-inch and Larger Substrates</i>
A. Nandi University of Bristol	<i>β-Ga₂O₃ growth on single crystal diamond (111)</i>
D. Lamb Swansea University	<i>(Al_xGa_{1-x})₂O₃ growth and materials properties using close coupled showerhead MOCVD</i>
F. Gucmann Slovak Academy of Sciences	<i>The origin of enhanced crystal quality of (-201) β-Ga₂O₃ grown on vicinal sapphire by liquid-injection MOCVD</i>
15.15	Coffee break
15.45	DEVICES SESSION
S. Vanjari University of Bristol	<i>Reliability of 3.8 kV β-Ga₂O₃ (001) vertical trench Schottky barrier diodes</i>
P. Ferrandis Institut Néel	<i>Influence of bulk defects on the Schottky barrier height of β-Ga₂O₃ diodes</i>
F. Hadizadeh University of Strathclyde	<i>Consistent reporting of performances in Ga₂O₃ UV-C photodetectors</i>
16.30	OTHER MATERIALS SESSION
G. Cicconi University of Parma	<i>Metalorganic vapour phase epitaxy (MOVPE) of r-GeO₂ layers on isostructural TiO₂</i>
K. Agrawal Tyndall National Institute	<i>Defects in ALD-HfO₂ on β-Ga₂O₃</i>
C. Ezeh City University of Hong Kong	<i>Electronic bandgap engineering in wide gap NiO-Ga₂O₃ for p-type conductivity</i>
17.15	Closing remarks
17.30	End





Posters

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12.30-13.00 Flash presentations (TL325a)

13.00-14.00 Poster presentations (TL328)

V. Selamneni University of Glasgow	<i>Facile synthesis of ultra-long β-Ga₂O₃ nanowires using chemical vapor transport for optoelectronic devices</i>
Z. Pasha Cardiff University	<i>Fabrication and characterisation of optical float-zone β-Ga₂O₃ Schottky diodes</i>
M. Fadla Queen's University Belfast	<i>Band offsets and substitutional impurities in ultra-wide bandgap semiconductors and their alloys: A first-principles insight</i>
D. Keeble University of Dundee	<i>Detection of vacancy-related defects in MOCVD Beta-Ga₂O₃</i>
B. Hourahine University of Strathclyde	<i>Dilute gallium-based alloys</i>
D. Rogers Nanovation	<i>Self-powered Oxide Heterojunctions for Remote Optical Fire Sensing</i>
K. Li University College London	<i>Computational prediction of the intrinsic point defects of α-Ga₂O₃: cation split-vacancy configuration</i>
A. Moore Swansea University	<i>Electrical properties of Ga₂O₃:Si using close coupled showerhead MOCVD</i>
T. Aldakhil University of Strathclyde	<i>Properties of Si-doped α-Ga₂O₃</i>
L. Penman University of Strathclyde	<i>Electron microscopy investigation of laterally overgrown α-Ga₂O₃</i>
M. Alessa University of Strathclyde	<i>Fabrication of Ga₂O₃-UV photodetectors using chemical solution deposition</i>
M-Y. Kim University of Bristol	<i>Defect formation on (001) β-Ga₂O₃ during wet etching and its implications for vertical power device performance</i>
S. Reynolds University of Dundee	<i>Interpreting photocurrent decays in unintentionally doped beta-Ga₂O₃: Discrete and distributed trapping states</i>

