

Monday 15 October				
Imperial Main Chairs: T. J. Marks / Y. Singesato				
08:30-09:10	P4 - H. Hosono , P. V. Sushko Electride glass: Electron anion in amorphous structure			
09:10-09:50	P5 - S. C. Pillai Key note address: New insights into visible light active photocatalysts			
09:50-10:30	P6 - M. G. Kanatzidis Amazing 3D and 2D halide perovskites: All the things they do			
10:30-11:00	Coffee break			
	TCM Session 1A (Imperial Main) Chairs: M. Grundmann / M. N. Assimakopoulou	TCM Session 1B (Imperial 1) Chairs: I. V. Shvets / F. Milletto Granozio	BS Session 1A (Imperial 2) Chairs: P. J. Wellmann / J. Liu	BS Session 1B (Imperial 3) Chairs: H. Nakamura / G. Adamopoulos
11:00-11:30	TCM- I1.ID-53 A. Klein , C. Lohaus, B. Öcal, C. Steinert, G. Deyu, J. Brötz, W. Jaegermann Enhancing electrical conductivity of room temperature deposited Sn-doped In ₂ O ₃ thin films by hematite seed layers	TCM-I4.ID-43 L. Österlund , J. Montero, A. Mattsson Spectrally selective films for enhanced photocatalysis	BS1-I1.ID-227 H. Umezawa Potential applications of diamond semiconductor devices	BS2-I1.ID-22 T. Kimura Manipulation of magnetoelectrically-coupled multiple order parameters in multiferroic transition-metal oxides
11:30-12:00	TCM-I2.ID-228 M. Modreanu Optical and vibrational properties of functional metal oxides	TCM-I5.ID-258 E. Zschech , S. Niese, K. Kutukova, J. Gluch High-resolution crack visualization in multi-layer systems – A novel application of X-ray microscopy	BS1-I2.ID-169 H. Kwarada , N. Oi, T. Bi, M. Iwataki, T. Yabe, K. Horikawa, S. Imanishi, S. Ohkubo, A. Hiraiwa Diamond power 2DHG p-FETs for complementary high voltage inverter with GaN n-FET	BS2-I2.ID-76 D. Fukushi , T. Kusaka, A. Sato, K. Yoshida, A. Sasaki Photocatalytic activity of tungsten oxide nanoparticles under visible light irradiation
12:00-12:10	TCM-O1.ID-71 J.E.N. Swallow , B. Williamson, S. Sathasivam, P. Murgatroyd, M. Birkett, T. Featherstone, Z. Lebens-Higgins, A. Regoutz, D. Duncan, T-L Lee, C. Carmalt, I. Parkin, L. Piper, V. Dhanak, D. Scanlon, T. Veal Resonant doping behaviour in doped-In ₂ O ₃	TCM-O6.ID-18 M. Kompitsas , P. Koralli, G. Petropoulou, G. Mousdis Efficient acetone sensing by a CuO electrochemical thin film sensor deposited on a Pyrex tube by PLD	BS1-I3.ID-164 H. Umeda , T. Ueda Current status of GaN-based power devices	BS2-I3.ID-92 K. Shiojima , H. Kambara, T. Matsuda, T. Shinohe Mapping of interfacial reaction of a-Ga ₂ O ₃ Schottky contacts using scanning internal photoemission microscopy
12:10-12:20				
12:20-12:30	TCM-O2-ID-64 D.T. Papanastasiou , J. Resende, V.H. Nguyen, T. Sannicolo, C. Jiménez, D. Muñoz-Rojas, D. Bellet Stability of transparent electrodes based on metallic nanowire networks: Analysis of the electrical, thermal and mechanical failure with experimental and modelling approaches	TCM-O7.ID-46 E. Yarali , H. Faber, E. Yengel, T. D. Anthopoulos Low-voltage metal oxide transistors fabricated by photonic curing		BS2-I4.ID-254 J. R. Morante , F. Urbain, V. Smirnov, P. Tang, T. Andreu, K. Welter, F. Finger, J. Arbiol Bias-free water splitting using advanced hematite photoanodes and thin-film silicon photocathodes in an all-earth-abundant hybrid tandem device
12:30-12:40				
12:40-13:00				
12:40-14:00	Lunch			

	Imperial Main Chairs: H. Hosono / G. Kiriakidis			
14:00-14:40	P7- C. G. Granqvist Progress in optical materials for harnessing Nature's energy flows: Something old, something new, something borrowed, something blue			
14:40-15:20	P8 - M. Grundmann Birefringence effects in transparent conductive materials			
15:20-16:00	P9 - I. V. Shvets , L. Farrell, E. Norton, D. Mullarkey, D. Caffrey, E. Arca, K. Fleischer Chromium oxide based p-type transparent conducting oxides			
16:00-16:30	Coffee break			
	TCM Session 2A (Imperial Main) Chairs: L. Österlund / S. C. Pillai	TCM Session 2B (Imperial 1) Chairs: E. Zschech / M. Modreanu	BS Session 2A (Imperial 2) Chairs: A. Klein / H. Umezawa	BS Session 2B (Imperial 3) Chairs: T. Kimura / V. Binas
16:30-17:00	TCM-I3.ID-221 F. Miletto Granozio Formation mechanism and voltage/light induced memory effects in 2-dimensional electron gases at oxide interfaces	TCM-I6.ID-220 M. N. Assimakopoulou On the use of new materials and technologies for the built environment of the future city	BS1-I4.ID-89 K. Shiojima Mapping of metal/semiconductor and semiconductor/semiconductor interfaces using scanning internal photoemission microscopy	BS2-I5.ID-30 T. Terasako , S. Obara, M. Yagi, J. Nomoto, T. Yamamoto Structural and optical properties of ZnO nanorods grown on Ion-plated GZO buffer layers by chemical bath deposition and fabrication of PEDOT:PSS/ZnO nanorods heterojunctions
17:00-17:10	TCM-O3.ID-133 G. Torrisi , J. S. Luis, O. Sanchez-Sobrado, M. J. Mendes, H. Aguas, E. Fortunato, R. Martins, A. Terrasi Optimization of IZO/Ag Mesh/IZO structures for high-performance transparent electrodes in the IR region	TCM-O8.ID-6 K. Gehrke , N. Neugebohrn, K. Brucke, M. Götz, M. Vehse Multifunctional metal oxide electrodes: Color for thin film solar cells	BS1-I5.ID-19 M. Kuball GaN-on-diamond electronics - the next generation of RF electronics	BS2-I6.ID-118 H. Nakamura Antiperovskite dirac materials: Disentangling pseudospin and real spin
17:10-17:20				
17:20-17:30	TCM-O4.ID-65 D. Caffrey , D. Ali, M. Z. Butt, C. Coughlan, I. Shvets, K. Fleischer Nitrogen grain boundary passivation of In-doped ZnO transparent conducting oxide	TCM-O9.ID-231 E. L. Papadopoulou , M. Zahid, V. D. Binas, G. Kiriakidis, I. Gounaki, O. Moira, G. Suarato, D. Venieri, I. S. Bayer, A. Athanassiou Fabrication of visible light-induced antibacterial and self-cleaning cotton fabrics using manganese doped TiO ₂ nanoparticles	BS1-I6.ID-62 V. Müller Insight into solid state lighting and functional materials for optoelectronic devices	BS2-I7.ID-74 J. Akedo Ceramic coating with room temperature impact consolidation (RTIC) phenomenon
17:30-17:40				
17:40-17:50	TCM-O5.ID-78 M. Lee , Y. Youn, K. Yim, S. Han Non-oxide high-k materials screened by high-throughput Ab initio calculations	TCM-O10.ID-20 M. Budde , C. Tschammer, T. Berthold, M. Himmerlich, S. Krischok, O. Bierwagen Controlling the surface and bulk p-type conductivity of single crystalline NiO thin films	BS1-I6.ID-62 V. Müller Insight into solid state lighting and functional materials for optoelectronic devices	BS2-I7.ID-74 J. Akedo Ceramic coating with room temperature impact consolidation (RTIC) phenomenon
17:50-18:00				
18:00-19:10	Poster session 1			