	Wednesday, 12 October		
	Room: Imperial Main		
08:30-09:10	**P7-1801. Husam N. Alshareef, H. Kim, S. R. Sarath Kumar, A. Abutaha** Thermoelectric performance of transparent oxide semiconductor films and superlattices		
	Session 9A (Imperial Main)	**Session 9B (Imperial 1)**	**Session 9C (Imperial 2)**
09:15-09:35	**O-1927. J. Purans, M. Zubkin, J. Gabrusenoks, G. Cikvaidze, R. Kalendarev, A. Azens, A. Zitolo, K. Pudzs, A. Anspoks** The structure and properties of amorphous p-type ZnO-IrO_2 thin films	**O-1954. M. Guc, P. Fuchs, F. Tsin, J. Rousset, Y. E. Romanyuk, V. Izquierdo-Roca, A. Pérez-Rodríguez** Non-destructive assessment of solution on based ZnO doped layers for photovoltaic applications: Raman scattering methodologies	**O-1909. M. Campion, H. Tuller** Oxidation and reduction behavior in donor-doped $BaSnO_3$ thin films
09:35-09:55	**O-1836. S. Heusing, T. Martins Amaral, P. William de Oliveira** Investigation of UV curing behaviour of TCO coatings	**O-1881. H. Viet-Nguyen, D. Bellet, P. Carroy, D. Muñoz, D. Muñoz-Rojas** Low temperature deposition of In-free TCO using spatial ALD for application to morphous/crystalline silicon heterojunction solar cells	**O-1825. G. K. Deyu, H. F. Wardenga, A. Klein** Effect of Aluminium Oxide (Al_2O_3) surface layers on tin doped Indium oxide (ITO) thin films
09:55-10:15	**O-2020. I. Isakov, H. Faber, M. Grell, S. Das, T. D. Anthopoulos** Nucleation control of the In_2O_3 deposition by ultrasonic spray pyrolysis for high performance thin film transistors	**O-1785. P. Novák, J. Briscoe, M. Netrvalová, T. Kozák** Optimization of thin transparent conductive ZnO:Al film for nanostructured piezoelectric energy harvesters	**O-1811. G. Bonneux, K. Elen, N. Sarmadian, C. Detavernier, D. Lamoen, B. Partoens, A. Hardy, M. Van Bael** Design and synthesis of novel p-type TCOs: From computational screening towards film deposition
10:15-10:45	**I-2030. D. C. Paine, Y. Song, A. Zaslavsky, A. Katsman** Sharp-switching top-gated IZO thin film transistors using a novel *in-situ* dielectric formation process	**I-1665. A. Vomiero** Engineering TCMs for high-efficiency Photo-electrochemical Cells	**I- 2061. J. Medvedeva** Defects in amorphous oxide semiconductors
10:45-11:15	**Coffee break**		
	Room: Imperial Main		
11:15-11:55	**PO11-1681. Sang Y. Lee** Thin film device applications with transparent amorphous SiInZnO semiconductors		
	Session 10A (Imperial Main)	**Session 10B (Imperial 1)**	**Session 10C (Imperial 2)**
12:00-12:20	**O-1694. M. Theelen, C. Foster, S. Dasgupta, Z. Vroon, N. Barreau, M. Zeman** The influence of water and atmospheric gases on the degradation of aluminum doped zinc oxide layers for CIGS solar cells	**O-1761. W. Marchal, C. De Dobbelaere, J. Kesters, B. Moeremans, I. Verboven, G. Bonneux, K. Elen, W. Maes, W. Deferme, H-G Boyen, M. K. Van Bael, A. Hardy** Steering the performance of MoO_3 hole transporting layers for OLEDs and OPVs: morphology vs. electronic structure	**O-1838. D. Erfurt, M. D. Heinemann, S. Körner, B. Szyszka, C. A. Kaufmann, R. Schlatmann** Integration of IOH as a front contact layer for CIGS cells and modules
12:20-12:40	**O-1742. S. Sanzaro, E. Smecca, G. Pellegrino, C. Bongiorno, F. Neri, G. Malandrino, M. R. Catalano, L. De Marco, R. Iacobellis, G. Mannino, A. La Magna, A. Alberti** Dye sensitized mesoporous thick TiO_2 layers deposited by grazing incidence reactive sputtering methods assisted by local oxidation	**O-1790. L. Liu, Z. Mei, Y. Hou, H. Liang, A. Azarov, V. Venkatachalapathy, A. Kuznetsov, X. Du** Feasible solution to n-type doping of high-resistance solar-blind 4.43 eV bandgap $Mg_{0.51}Zn_{0.49}O$ by fluorine	**O-1828. G. Christmann, D. Sacchetto, L. Sansonnens, G. Wahli, L. Barraud, A. Descoeudres, B. Paviet-Salomon, N. Badel, B. Strahm, M. Despeisse, S. Nicolay, C. Ballif** Zinc oxide as indium free transparent conducting oxide for silicon heterojunction solar cells
12:40-13:00	**O-2007. M. Moschogiannaki, S. Murcia-Lopez, V. Binas, T. Andreu, J. R. Morante, G. Kiriakidis** Binary (NixCo1-x) titanates nanorods as photocatalysts for solar water oxidation	**O-1806. P. Fuchs, J. Steinhauser, D. Hariskos, W. Wischmann, Y. E. Romanyuk, A. N. Tiwari** Electrical conductivity transients in chemical bath deposited ZnO thin films as a function of UV illumination wavelength	**O-1693. Y. Furmanskya, S. Serganid, N. Ashkenasy, I. Visoly-Fisher** Photoconductance of ITO/conductive polymer junctions in the UV and visible ranges
13:00-13:30	**I-1706 L. Österlund** Functional photocatalytic films for green buildings: From fundamental science to engineering	**I-2042. M. Esro, D. Afouxenidis, W. I. Milne, G. Adamopoulos** Solution Processed SiO_2 and high-k dielectrics for MO-based CMOS TFTs	**I-1716. P. Mazzolini, C. S. Casari, V. Russo, G. Gregori, D. Chrastina, R. Ferragut, S. Nakao, T. Hitosugi, A. Li Bassi** Nanoengineering TiO_2 and Ta-doped TiO_2 for high TC electrodes and photoanodes
13:30-15:00	**Light lunch and poster session 2**		
	Room: Imperial Main		
15:00-15:40	**P9-2038. Xuesong Li** Graphene transparent conductive film - progress, challenges and prospects		

	Session 11A (Imperial Main)	Session 11B (Imperial 1)	Session 11C (Imperial 2)
15:45-16:05	**O-1888. S. Dellis, S. Elhamali, P. Downs, N. Kalfagiannis, C. Ramsdale, R. Price, D. Koutsogeorgis** Laser annealing of transparent semi-conductive oxides: A platform towards flexible and large area processing for transparent TFT devices	**O-1882. M. K. Hota, H. N. Alshareef** Ternary $HfZnO_x$ for multistate memory applications	**O-1967. G. Socol, G. Dorcioman, D. Craciun, P. Garoi, O. Fufa, L. Truica, A. C. Galca, H. Swart, C. Martin, V. Craciun** Investigations of gamma and X-ray radiation effects in transparent and conductive oxides
16:05-16:25	**O-1859. S. Murcia-López, T. Andreu, C. Fàbrega, M. D. Hernández-Alonso, G. Penelas, J. R. Morante** Pulsed laser deposition of high performance metal oxide photoanodes for water splitting	**O-1834. T. Martins Amaral, M. G. Prada Rivero, S. Heusing, P. König, P. William de Oliveira** Investigation of the coffee ring effect in inkjet printed ITO patterns	**O-1970. D. Papadaki, V. Binas, B. Gupta, J. Lipton-Duffin, N. Motta, G. Kiriakidis** Metal doped TiO_2: the effect of NH_3 exposure on structural and photocatalytic properties
16:25-16:45	**O-1827. A. Medvid, P. Onufrijevs, E. Dauksta, K. Murakami, M. Shimomura** Phase transitions in TiO_2 induced by laser radiation	**O-1848. L. Farrell, E. Norton, C. M. Smith, D. Caffrey, I. V. Shvets, K. Fleischer** Synthesis of nanocrystalline Cu deficient Cu_xCrO_2 - a high figure of merit p-type transparent semiconductor	**O-1772. D. Acosta, E. Mejía, C. Sanchez** Alkali halide nano and micro films produced by pulsed laser deposition : An electron microscopy study
16:45-17:15	**I-2063. P. Trikalitis** Reticular chemistry and the development of novel metal organic frameworks	**I-2053. D. G. Georgiadou, T. D. Anthopoulos** Novel patterning techniques and materials concepts for large area electronics	**I-1851. F. Xu, W. Shen, W. Xu, J. li, Q. Huang, Q. Xu, W. Song** Preparation and application of silver nanowire-based TC thin films
17:15-17:45	**Coffee break**		
	Room: Imperial Main		
17:45-18:25	**P10-1965. Kenneth Poeppelmeier** Impact of local structure on transparent conductors		
	Session 12A (Imperial Main)	**Session 12B (Imperial 1)**	**Session 12C (Imperial 2)**
18:30-18:50	**O-2002. S. S. Nkosi, V. Binas, T. Kroon, O. M. Ndwandwe, G. Kiriakidis** The effect of ZnO vacancies on the photo-catalytic activities and magnetic properties	**O-1963. K. Král, M. Menšík** Charge transfer or energy transfer between Quasi-zero-dimensional nanostructures	**O-1915. P. Baroch, J. Rezek, T. Kozak, J. Houska** Comparison of HiPIMS and conventional sputtering methods used for preparation of transparent IGZO thin films
18:50-19:10	**O-2019. R. Poulain, A. Delvaux, A. Klein, J. Proost** Tailoring reactively sputtered nickel oxide thin films for photo-catalytic applications	**O-1905. D. Gaspar, L. Pereira, E. Fortunato, R. Martins** Hydrogenated ZnO thin films with improved electro-optical properties	**O-1889. S. Elhamali, N. Pliatsikas, W. Cranton, R. Ranson, P. Patsalas, D. Koutsogeorgis** Electrical, structural, and compositional properties evolution of Al-doped zinc oxide upon excimer laser annealing, rapid thermal annealing, and damp heat exposure
19:10-19:40	**I-2066. D. Venieri** Disinfection of Waters/Wastewaters by Solar Photocatalysis	**I-1788. L. Liu, Z. Mei, A. Tang, A. Azarov, A. Kuznetsov, Q-K Xue, X. Du** +2 Charged oxugen vacancy: a shallow donor native point defect in ZnO revealed by ^{18}O self-diffusion in isotopic heterostructures	**I-2047. V. Sittinger, F. C. Carreri, S. Jung, A. Kaiser, G. Bräuer** Reactive mid-frequency sputtering process of Al-doped zinc oxide films from rotatable targets
19:30-21:00	**Dinner**		