

	Thursday, 13 October		
	Room: Imperial Main		
08:30-09:10	P11.1922. <u>John Robertson</u>, Y. Guo Hydrogen and stability in oxide semiconductors		
	Session 13A (Imperial Main)	Session 13B (Imperial 1)	Session 13C (Imperial 2)
09:15-09:35	O-2010. <u>A. Smaali-Lafane</u>, S. Abdelli-Messaci, S. Lafane, M. Kechouane, J. Lenzner, S. Richter, O. Nemraoui, K. Ellmer Low temperature pulsed laser deposited highly transparent and conductive vanadium-doped zinc oxide (VZO) thin films	O-1867. <u>D. Sacchetto</u>, G. Christmann, L. Barraud, L. Sansonnens, G. Wahli, A. Descoedres, N. Badel, B. Strahm, M. Despeisse, S. Nicolay, C. Ballif High efficiency SHJ with MoO _x carrier selective contact and standard process	O-1738. <u>R. Menner</u>, M. Cemernjak, S. Paetel, W. Wischmann, M. Powalla High-efficiency Cu(In,Ga)Se ₂ solar cells with indium zinc oxide (IZO) window layer
09:35-09:55	O-1808. <u>Z. Wang</u>, H. N. Alshareef Indium-free fully transparent electronics deposited entirely by atomic layer deposition	O-1853. <u>E. Norton</u>, L. Farrell, S. D. Callaghan, C. McGuinness, I. V. Shvets, K. Fleischer Electronic structure of chromium based p-type transparent conducting oxides studied by X-ray spectroscopy	O-1994. <u>R. Pietruszka</u>, B. S. Witkowski, S. Gieraltowska, E. Zielony, K. Gwozdz, P. Bieganski, E. Placzek-Popko, M. Godlewski New generation of TCO electrode for low cost and efficient silicon solar cells
09:55-10:15	I-1885. <u>M. R. Wagner</u>, J. S. Reparaz, G. Callsen, G. M. O. Pahn, A. Franke, C. Nenstiel, A. Hoffmann, M. Hugues, M. Teyseire, J. M. Chauveau Optical and thermal performance of ZnMgO/ZnO quantum well heterostructures	I-2099. <u>M. de Souza</u>, P. B. Pillai The behaviour and peculiarities of a ZnO/Tantalum oxide Memristor system	I-1879. C. Ros, <u>T. Andreu</u>, S. Girado, H. Xie, Y. Sánchez, N. Carretero, E. Saucedo, J. R. Morante Calcogenide based photocathodes for sustainable solar hydrogen
10:15-10:45	PO12- <u>Bernd Szyszka</u> TCOs by sputtering – Milestones of 40 years		
10:45-11:15	Coffee break		
	Room: Imperial Main		
11:15-11:55	P12. <u>Zheng Cui</u> Embedded metal mesh as transparent conductors and its application for touch panels		
	Session 14A (Imperial Main)	Session 14B (Imperial 1)	Session 14C (Imperial 2)
12:00-12:20	O-1857. <u>D. Mullarkey</u>, E. Arca, L. Cattin, J. C. Bernède, I. Shvets Application of Cr ₂ O ₃ and Mg _x Cr _{2-x} O ₃ as a buffer layer in organic solar cells	O- 1822. <u>A. Kumar</u>, P. B. Pillai, M. M. De Souza Comparative characteristics of high performance ZnO thin film transistors	O-2203. G. Kiriakidis, A. Zachopoulos, <u>V. Binas</u> Highly selective adsorbent and photocatalytic material for industrial wastewater treatment
12:20-12:40	O-1958. <u>M. H. bin Mohd Daut</u>, G. Yao, H. Ma, A. Nathan Fabrication and characterizations of thin film ZnON diode	O-2111. <u>D. Louloudakis</u>, D. Vernardou, E. Spanakis, N. Katsarakis, E. Koudoumas, G. Kiriakidis Growth and study of thermochromic VO ₂ coatings using an APCVD system: a review on the effect of the deposition parameters	O-1986. <u>R. Milan</u>, S. Cattarin, N. Comisso, C. Baratto, G. Sberveglieri, I. Concina Transparent hematite blocking layer improves the quality of solid-liquid interface on hematite based solar fuel cells
12:40-13:10	I-2192. <u>T. Kamiya</u>, H. Hosono Recent progress in amorphous oxide semiconductors	I-1992. <u>E. Verveniotis</u>, J. Čermák, Y. Okawa, Y. Koide, A. Kromka, M. Ledinsky, C. Joachim, B. Rezek2 Synthetic diamond thin films for electronics: functionalization, electronic transport and possible applications	I-2105. <u>F. M. Granozio</u> Non-volatile electrical and optical resistive switching in 2D electron gases at oxide heterostructures
13:10-14:00	Awards / closing notes / farewell drink		