Sunday, 9 October

16:00-20:00	**Registration**
17:00-17:30	**Opening Session /Welcome addresses** **S. Anastasiadis** **Overview of IEG activities**
17:30-18:10	**PO-1 / H. Hosono** Recent progress of electro-active transparent materials
18:10-18:30	**E-MRS / L. Toni**
18:30-19:10	**PO-2 / E. Fortunato**
19:10-19:30	**ERC / G. Symeonidis** The European Research Council (ERC) and funding opportunities
19:30-21:00	**Welcome reception**

Monday, 10 October

08:30-09:10	**P1 / Gunnar Westin** **Thin and ultra-thin films by solution chemistry**		
09:15-09:35	O-1952 M. Greil	O-1753 R. Mientus	O-2000 G. Faglia
09:35-09:55	O-1714 N. A. Hastas	O-1771 L. P. Ryan	O-1691 J. J. Schneider
09:55-10:15	O-1805 S. Ullah	O-1723 E. Rucavado	O-1995 E. Gagaoudakis
10:15-10:45	**I-2044 M-H Yoon** Sol-gel metal oxide material-based electronics: low-temperature photoactivation, large-area printing, and direct patterning	**I-1940 M. Modreanu** Investigation of optical and vibrational properties of functional metal oxides	**I-1860 C. Baratto** Nanophotonic and plasmonic for chemical sensing
10:45-11:15	**Coffee break**		
11:15-11:55	**P2 / Gerwin Gelinck** Flexible amorphous oxide semiconductor thin-film transistors		
12:00-12:20	O-1821 P. B. Pillai	O-1872 J. Resende	O-1987 C. Petridis
12:20-12:40	O-1839 C. Fernandes	O-2006 G. Kakavelakis	O-1938 A. Varea
12:40-13:10	**I-4 L. Pereira** Oxide nanoparticles based electrical and electrochemical devices on paper substrates	**I-2065 O. Bellet** Transparent electrodes based on silver nanowire networks: from fundamental aspects to integration into device	**I-1707 S-H Choi** Use of graphene in optoelectronic devices as a transparent electrode
13:10-15:00	**Light lunch and poster session 1**		
15:00-15:40	**P-2052 / George Malliaras** Interfacing with the brain using organic electronics		
15:45-16:05	O-1754 K. A. Stewart	O-1996 M. Stylianakis	O-1977 V. Skoulas
16:05-16:25	O-1960 H. Ma	O-1784 S. L. Moffitt	O-1949 C. Kim
16:25-16:45	O-1701 Y. Zhang	O-1950 L.M.Garten	O-2008 R. Letunca
16:45-17:15	**I-2060 P. Barquinha** Flexible oxide electronics: getting multifunctionality, sustainability and speed altogether	**I-2059 M. Mgaidwaski** Recent Advances in Ga_2O_3 power device technologies	**I-2024 T. Dagnich** Advanced R2R touch panel manufacturing solutions
17:15-17:45	**Coffee break**		
17:45-18:25	**P-1982 A. Klein** Electric properties of grain boundaries in transparent oxide conductorss		
18:30-18:50	O-2201 T. Fischer	O-1966 J. Jiang	O-2004 G. Tsangaridis
18:50-19:20	**I-2043 H. E. Unalan** Metal nanowire networks as transparent contacts	**I-1975 E. Stratakis** Laser processing of 2D nanosheet based materials for organic electronics	**I-2014 S. Logothetidis** Novel R2R fabrication process for high quality transparent electrode nanolayers for cost effective manufacturing of flexible organic photovoltaics
19:20-21:00	**Dinner**		
21:00-22:00	***TCM-net Board meeting***		

Tuesday, 11 October

09:00-09:40	**P-2056 / Sanjay Mathur** **Metal oxide nanosurfaces and hetero-interfaces for solar harvesting applications**
09:40-10:20	**PO-1845 / David Ginley - Lauren Garten** Developing new functional TCs
10:20-10:50	**Coffee break**
10:50-11:30	**P7/ Bob Chang** **Application of TCO, indium tin oxide, nanorod arrays for ultrafast switching of light**
11:30-12:10	**PO-2054 / John Wager** Oxide TFTs: a progress report
12:10-13:00	In Memoriam Bruno Karl Meyer: Excitons, Impurities and Defects in Oxides and Nitrides **Alex Hoffmann**
13:00-14:00	**Light lunch**
	Session 7, Chair: J. Wager **Fundamental Research Challenges**
14:00-14:20	**PO5 / Rodrigo Martins** Exploiting the surface for the next generation of eco-systems on foil technology
14:20-14:40	**Ind-1 / Marcus Bender / AMAT** Next generation MOx active layers for AM-TFT display backplanes deposited by state-large area PVD technology with rotary cathode technology
14:40-15:00	**PO-3 / Arokia Nathan** Device-circuit interactions in oxide TFT circuits and systems
15:00-15:20	**Ind-2 / Mirko Weidner / SPECS** Above and beyond – enabling next generation devices by novel material characterization approaches
15:20-15:40	**PO-2058 / Martyn Pemble** Towards the use of CMOS technologies and concepts for the production of transparent conducting oxide thin films for use in next-generation solar harvesting devices
15:40-16:00	**Coffee break**
	Session 8, Chair: S. Mao **Industrial Exploitation Frontiers**
16:00-16:20	**Ind-3 / Clark Bright** **Multilayer TCMs: from lab to market**
16:20-16:40	**PO-11 / Claes Granqvist** Transparent conductors: A bird's eye perspective
16:40-17:00	**Ind-4 / Volker Linss / Von Ardenne** Challenges in the industrial deposition of TCO materials by reactive megnetron sputtering from rotatable targets
17:00-17:20	**PO-2051 / Giorgio Sberveglieri** Innovative metal oxide chemical sensing devices
17:20-17:40	**Ind-5 / Richard Kupke / SURAGUS** Challenges and possibilities in non-contact in- and offline characterization of conductive thin films
17:45-19:00	**Panel discussion**
19:45-23:00	**Gala dinner**

Wednesday, 12 October

08:30-09:10	**P-1801 / Husam N. Alshareef** Thermoelectric performance of transparent oxide semiconductor films and superlattices		
09:15-09:35	O-1927 J. Purans	O-1954 A. Perez-Rodriguez	O-1909 M. Campion
09:35-09:55	O-1836 S. Heusing	O-1881 H. Viet-Nguyen	O-1825 G. K. Deyu
09:55-10:15	O-2020 I. Isakov	O-1785 P. Novak	O-1811 G. Bonneux
10:15-10:45	**I-2030 D. C. Paine** 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**		
11:15-11:55	PO-1681 / Seng T. Lee Thin film device applications with transparent amorphous Sb-ZnO semiconductors		
12:00-12:20	O-1694 M. Theelen	O-1761 W. Marchal	O-1838 D. Erfurt
12:20-12:40	O-1742 S. Sanzaro	O-1790 Z. Mei	O-1828 D. Sacchetto
12:40-13:00	O-2007 M. Moschogiannaki	O-1806 P. Fuchs	O-1693 I. Visoly-Fisher
13:00-13:30	**I-1706 L. Österlund** Functional photocatalytic films for green buildings: From fundamental science to engineering	**I-2042 G. Adamopoulos** Solution Processed SiO_2 and high-k dielectrics for MO-based CMOS TFTs	**I-1716 A. Li Bassi** Nanoengineering TiO2 and Ta-doped TiO2 for high TC electrodes and photoanodes
13:30-15:00	**Light lunch and poster session 2**		
15:00-15:40	**P-2028 / Xuesong Li** Graphene transparent conductive film - progress, challenges and prospects		
15:45-16:05	O-1888 S. Dellis	O-1882 M.K. Hota	O-1967 V. Craciun
16:05-16:25	O-1859 S. Murcia-Lopez	O-1834 T. Martins Amaral	O-1970 D. Papadaki
16:25-16:45	O-1827 A. Medvid	O-1848 K. Fleischer	O-1772 D. Acosta
16:45-17:15	**I-2063 P. Trikalitis** Reticular chemistry and the development of novel metal organic frameworks	**I-2053 D. G. Georgiadou** Novel patterning techniques and materials concepts for large area electronics	**I-1851 W. Song** Preparation and application of silver nanowire-based TC thin films
17:15-17:45	**Coffee break**		
17:45-18:25	**P-1965 / Kenneth Poeppelmeier** Impact of local structure on transparent conductors		
18:30-18:50	O-2002 S. S. Nkosi	O-1963 K. Kral	O-1915 P. Baroch
18:50-19:10	O-2019 R. Poulain	O-1905 D. Gaspar	O-1889 D. Koutsogeorgis
19:10-19:40	**I-2066 D. Veniari** Disinfection of Waters/Wastewaters by Solar Photocatalysis	**I-1788 Z. Mei** +2 Charged oxygen vacancy: a shallow donor native point defect in ZnO revealed by ^{17}O self-diffusion in isotopic heterostructures	**I-2047 V. Sittinger** Reactive mid-frequency sputtering process of Al-doped zinc oxide films from rotatable targets
19:30-21:00	**Dinner**		

Thursday, 13 October

08:30-09:10	**P-1922 / John Robertson** Hydrogen and stability in oxide semiconductors		
09:15-09:35	O-2010 A. Smaali-Lafane	O-1867 D. Sacchetto	O-1738 R. Menner
09:35-09:55	O-1808 Z. Wang	O-1853 E. Norton	O-1994 R. Pietruszka
09:55-10:15	**I-1885 M. R. Wagner** Optical and thermal performance of ZnMgO/ZnO quantum well heterostructures	**I-2099 M. de Souza** The behaviour and peculiarities of a ZnO/Tantalum oxide Memristor system	**I-1879 T. Andreu** Calcogenide based photocathodes for sustainable solar hydrogen
10:15-10:45	PO-13 Bernd Szyszka TCOs by sputtering – Milestones of 40 years		
10:45-11:15	**Coffee break**		
11:15-11:55	**P12 / Zheng Cui** Embedded metal mesh as transparent conductors and its application for touch panels		
12:00-12:20	O-1857 D. Mullarkey	O- 1822. A. Kumar	O-2203 V. Binas
12:20-12:40	O-1958 M. H. bin Mohd Daut	O-2111 D. Louloudakis	O-1986 R. Milan
12:40-13:10	**I-2192 T. Kamiya** Recent progress in amorphous oxide semiconductors	**I-1992 E. Ververidis** Synthetic diamond thin films for electronics: functionalization, electronic transport and possible applications	**I-2105 F. M. Granozio** Non-volatile electrical and optical resistive switching in 2D electron gases at oxide heterostructures
13:10-14:00	**Awards / closing notes / farewell drink**		