	Effect of thickness and substrate type on the structure and photoemission parameters of carbyne-containing nanocomposite coatings	Hydrogenation/dehydrogenation of epitaxial deposits interfacing Mg to Nb layers
11.30	**Simona Achilli (189)** *University of Milan,Italy* Ge-vacancy complexes: a viable route toward room temperature quantum informations	**Ali Akbar (172)** *Hanyang University,Republic of Korea* Statistical Estimation of External Clamping Effects on Microscale Mechanical Deformation of Heterogeneous Porous Transport Media
11.45	**Ivan Shorubalko (190)** *Empa,Switzerland* Nanoprinted Quantum Dot / Graphene Photodetectors	**Katarzyna Świrk (179)** *Sorbonne Université,France* Synthesis strategy of Zr- and Y-promoted mixed oxides derived from hydrotalcites for dry reforming of methane
12.00	**Bengü Özuğur Uysal (212)** *Kadir Has University,Turkey* Nano-filler (WS2, MoS2, MoSe2) Enhanced Polyacrylamide Gels for Multi-functional Applications	**Patrick Da Costa (198)** *sorbonne Université,France* On the effect of yttrium promotion over Ni-based mixed oxides catalysts for CO2 methanation
12.15	**Jian-Gong Ma (218)** *Nankai University,China* Encapsulation of Meta-stable Nano-particles inside MOFs toward Composite Catalysts	**G.I. Siakavelas (258)** *Western Macedonia University of Applied Sciences,Greece* Hydrogen production via the steam reforming of glycerol on Ir/Al2O3 and Ir/CeO2-Al2O3 nanocatalysts prepared using equilibrium deposition filtration
12.30	**Sergey Gusarov (233)** *National Research Council of Canada,Canada* Multiscale Modelling Framework in Nano Science: SCF Coupling of Statistical-Mechanical Theory of Integral Equation with Computational Chemistry Methods and its Application to Study Smart Drug Delivery Systems	**Dilson S. dos Santos (265)** *COPPE Federal University of Rio de Janeiro,Brazil* The use of nanostructured Pd-Hydride in Hyperthermia application
12.45	**Yun-Yuan Wang (267)** *National Taiwan University,Taiwan* Enhanced Electrical Performance in Van der Waals Heterostructure FET	**Surin Saipanya (284)** *Chiang Mai University,Thailand* Pt and Pd electrodeposition on zinc oxide modified graphene oxide for direct methanol fuel cells (DMFC)
13.00	**El Montassir Dahmane (301)** *LCBM,Morocco* Physicochemical properties of α-chitin whiskers-reinforced chitosan nanocomposite films	**Raiana Tomazini de Oliveira (296)** *University of Rovira i Virgili,Spain* Revaluation of plastic waste and biomass mixtures to produce liquid fuels using fluorinated gamma alumina catalyst
Lunch		
	ANE (Advanced Nano Electronics)	**AMM (Advanced Magnetic Materials)**
	Session Chairs: Didier Fasquelle, Ioan Bâldea	Session Chairs: Wojciech Grochala, Iván Cabria
14.00	**Didier Fasquelle (151)-Invited** *UDSMM,France* Lead-Free Functional Oxides dedicated to Non-Linear Dielectrics and Gas Sensors	**Sergei V. Trukhanov (5)-Invited** *South Ural State University,Russia* Investigation of the magnetoelectric properties in layered cermet structures
14.15	**Ioan Bâldea (290)** *Universität Heidelberg,Germany* What Amount of the Perturbation Applied to Electrodes Is Felt by Molecules Embedded in Nanojunctions?	**Alex.V. Trukhanov (6)** *South Ural State University,Russia* Control of the NiFe Nanostructured Films Growth
14.30	**Hiroshi Iwai (39)** *Tokyo Institute of Technology,Japan* Sub-0.5 nm EOT gate oxide for future CMOS	**Wojciech Grochala (7)** *University of Warsaw,Poland* Ag(2+) as a powerful spin polarizer in novel magnetic materials
14.45	**Hirofumi Tanaka (76)**	**E.L. Trukhanova (19)**