

Program for EMN Las Vegas 2018

Monday February 26

On-Site Registration from 14:00-17:00PM

Tuesday February 27

Session: Ceramics I Chair: [Linsheng Huo](#)

09:00-09:25AM	A01: Clays: the promising key for developing wide diffusion materials and ceramic	Gisèle L. LECOMTE-NANA Laboratory SPCTS (UMR CNRS 7315), CEC, Ceramic Department, University of Limoges, France
09:25-9:50AM	A02: Enhancing the preparation of fine powder silicate-based ceramic pigments under hydrothermal conditions	Juan Carlos Rendón-Angeles Research Institute for Advanced Studies of the NPI, México
09:50-10:15AM	A03: Preparation and Characterization of MgO doped Highly Bioactive Phosphate Glasses with Controllable Biodegradability	T. Satyanarayana Lakireddy Bali Reddy College of Engineering, India
10:15-10:40AM	A04: Fracture Toughness and the Mechanical Performance of Ceramic Coating Systems	Feng Cai Princeton University, USA
10:40-11:05AM	A05: Interplay between oxygen-vacancies and lattice in complex oxides	Ritesh Sachan North Carolina State University, USA
11:05-11:30AM	A06:	Kimberly Cook-Chennault The State University of New Jersey, USA
11:30-11:55AM	A07: Oxide coatings for environmental applications	Pascal Briois Univ. Bourgogne Franche-Comté/UTBM, France
12:00AM	Lunch Break	
Session: EMN West I Chair: Eriton Rodrigo Botero		
14:00-14:25PM	A08: Recent advances in development of building blocks for room-temperature semiconductor spintronics	Weimin Chen Linköping University, Sweden
14:25 -14:50PM	A09: Characterization of PP-Talc composites under fatigue and tensile testing using ultrasonic technique	Osama Al-Qabandi Glasgow Caledonian University, Scotland

14:50-15:15PM	A10: The stubborn discrepancy between 3D topological insulator Fermi surfaces from quantum oscillations and ARPES	M.S. (Mark) Golden University of Amsterdam, the Netherlands
15:15-15:40PM	A11: Artificial vs natural atoms in weakly and strongly correlated regimes	Tokuei SAKO Nihon University, Japan
15:40 -16:05PM	A12: Interfacial Engineering of Semiconductor Hybrids for Solar Water Splitting	Yan-Gu Lin National Synchrotron Radiation Research Center, Taiwan
16:05-16:30PM	A13: New modalities in microcavity frequency combs	Jinghui Yang University of California, Los Angeles, USA
16:30-16:55PM	A14: Controlled radical polymerizations with particles (CRPwP) for efficient production of block copolymer-functionalized nanoparticles	Toshihiko ARITA Tohoku University, Japan
16:55-17:10PM	A15: Size and Shape-Control of Siloxane-based Organsilica Nanoparticles	Taejong Paik Chung-Ang University, South Korea
17:30PM	Dinner Social	
Wednesday February 28		
Session: Ceramics II Chair: Gisèle L. LECOMTE-NANA		
09:00-9:25AM	A16: Index-Matched MTO/Ag/MTO Triple Layer Films on PET Substrate	Guneik Jang Chungbuk National University, Korea
09:25-9:50AM	A17: The Application of Piezoceramic Transducers in the Health Monitoring of Civil Structures	Linsheng Huo Dalian University of Technology, China
09:50-10:15AM	A18: Structural evidences of polar clusters formation in ferroelectric relaxor ceramics	Eriton Rodrigo Botero Universidade Federal da Grande Dourados- UFGD, Brazil
10:15-10:40AM	A19: High-temperature tribological properties of Mo alloys	Takashi Murakami National Institute of Advanced Industrial Science and Technology (AIST), Japan
10:40-11:10AM Poster Session	P20: Synthesis of Nanoporous ZIF-8 Membranes for Propylene/Propane Separation	Jinsoo Kim Kyung Hee University, Korea
	P21: Effects of N implantation on defect formation in ZnO nanowires	Irina Buyanova Linköping University, Sweden

12:00AM
Lunch Break

Session: EMN West II Chair: M.S. (Mark) Golden

14:00-14:25PM	A22: Bulk electrical quantum oscillation in Kondo insulator	Ziji Xiang University of Michigan, USA
14:25 -14:50PM	A23: Gate effect on light-emitting diode device, an emerging class of multifunctional optoelectronic device	Qasim Khan Southeast University, China
14:50-15:15PM	A24: Optoelectronic properties of light polarization sensitive 2D materials and hybrid structures	Mustafa EGINLIGIL Nanjing Tech University, China
15:15-15:40PM	A25: Computational design and functionalization of 2D materials and their heterostructures	G.P. Das Indian Association for the Cultivation of Science, India
15:40 -16:05PM	A26: Sputtering technique: A greener strategy to produce photoluminescent bimetallic nanoclusters	Ryan D. Corpuz Mindanao State University- Iligan Institute of Technology, Philippines
16:30-16:45PM	A27: Finite Element Time Domain Methods for Nonlinear Dispersive Media	Dennis D. Giannacopoulos McGill University, Canada
Thursday March 1 On-day Excursion		