

Sunday Nov. 26 (14:00-17:00PM) On Site Registration		
Monday Nov. 27 Room A: La Bellone		
Session: Cellulose I Chair: Thaddeus Maloney		
9:00-9:25AM	A01: Interactions of Cellulose with Imidazolium-based Ionic Liquids	Blake A. Simmons Lawrence Berkeley National Laboratory, USA
9:25-9:50AM	A02: Preparation of cellulose network polymer electrolyte based on ionic liquid mixture	Takeshi Kakibe University of Hyogo, Japan
9:50-10:15AM	A03: Cellulose based High Voltage insulation – understanding the mechanical behavior at microscopic level	Orlando Girlanda ABB AB Corporate Research, Sweden
10:15-10:40AM	A04: Nanocellulose as a renewable piezoelectric sensor material	Sampo Tuukkanen Tampere University of Technology (TUT), Finland
10:40-11:00AM	Session Break	
Session: Bioinspired Materials I Chair: Bernadette Tse-Sum-Bui		
11:00 -11:25AM	A05: Sniff-cam (biochemical gas-imaging system) with enzyme mesh as artificial olfactory receptor for ethanol vapor from human body (breath, skin)	Kohji Mitsubayashi Tokyo Medical and Dental University, Japan
11:25-11:50AM	A06: Bioinspired superhydrophobic surfaces for water drag reduction	Ivan Vakarelski King Abdullah University of Science and Technology, Kingdom of Saudi Arabia
11:50-12:15AM	A07: Phases of colloidal lipid- A phosphate dispersions: spontaneous formation of periodic cellular structures	Henrich H. Paradies Jacobs University, Germany
12:15-12:40AM	A08: Living Hyaline Cartilage Graft (LhCG) for Cartilage Repair and Anti-Arthritis Drug Evaluation	Dong-an Wang Nanyang Technological University, Singapore
12:40-14:00 PM	Lunch Break	

Monday Nov. 27
Room A: La Bellone

Session: Photodetectors Chair: Constantin Meis

14:00 -14:25PM	A09: SWIR photo-detection with sub-wavelength resonators	Jean-Luc Pelouard Center for Nanoscience and Nanotechnology (C2N), France
14:25 -14:50PM	A10: Optoelectronic applications of PureB technology	Lis Nanver University of Twente, The Netherlands
14:50 -15:15PM	A11: Waveguide integrated photodetectors for near-IR and mid-IR applications	Callum Littlejohns University of Southampton, UK
15:15 -15:40PM	A12: TCAD-based Simulation Study of the 2D Dark Count Rate in InGaAs/InP Single Photon Avalanche Diodes Employing Standoff Breakdown Suppression Design	Tihomir Knežević University of Zagreb, Croatia

15:40 -16:00PM

Session Break

Session: Bioinspired Materials II & cellulose II Chair: Blake A. Simmons

16:00-16:25PM	A13: Synthetic antibodies for cosmetics: Molecularly imprinted polymers scavenge precursors of malodors - a new deodorant principle	Bernadette Tse-Sum-Bui University of Technology of Compi ègne(UTC), France
16:25P-16:50PM	A14: Glyco-nanovesicles Based on Amphiphilic Small Molecular for Targeted Drug Delivery	Yuxin Pei Northwest A&F University, China
16:50-17:15PM	A15: Pulp Fibre Pore Structure and Reactivity	Thaddeus Maloney Aalto University, Finland
17:15-17:40PM	A16: Challenges of preserving written heritage with increased amounts of transition metals	Jasna Malešič National and University Library, Slovenia

18:30PM

Dinner Social
("THE CITY ORIENT")

Tuesday Nov. 28
Room A: La Bellone

Session: General I Chair: Constantin Meis

9:00-9:25AM	A17: Mass Production of Functionalized Nanofibers Prepared by AC Electrospinning Technology for Specific Biosensors	Evzen Amler Czech Technical University, Czech Republic
9:25-9:50AM	A18: Effect of different CH ₃ NH ₃ PbI ₃ morphologies on photovoltaic properties of perovskite solar cells	Lung-Chien Chen National Taipei University of Technology, Taiwan
9:50-10:15AM	A19: Magnetoresistance and Spin Logic	Xiaozhong Zhang Tsinghua University, China
10:15-10:40AM	A20: The influence of bi-metallic nanocomposite in the preparation thin film perovskite solar cell	Genene Tessema Mola University of KwaZulu-Natal, Pietermaritzburg Campus, South Africa

10:40-11:00AM

Session Break

Session: General II Chair: Lung-Chien Chen

11:00 -11:25AM	A21: Application of super-paramagnetism particles to Anodes for Lithium Ion Batteries	Masaru Matsuo Dalian university of Technology, China
11:25-11:50AM	A22: Optical feedback and confinement in GaN-based vertical cavity surface-emitting lasers	Åsa Haglund Chalmers University of Technology, Sweden
11:50-12:15AM	A23: Vector potential quantization: Single photon state and the quantum vacuum	Constantin Meis CEA/INSTN, Saclay, France
12:15-12:40AM	A24: Local structure of organic-inorganic hybrid perovskites	Lorenzo Malavasi University of Pavia & INSTM, Italy

12:40-14:00 PM

Lunch Break

Tuesday Nov. 28
Room A: La Bellone

Session: Liquid Crystal Chair: Åsa Haglund

14:00 -14:25PM	A25: Short-range-order, crystal nucleation and crystal growth in liquid colloidal suspensions	Dieter Herlach Ruhr-University Bochum, Germany
14:25 -14:50PM	A26: Dynamic Holography in Liquid Crystal Valves and Adaptive Optics	Vladimir Yu. Venediktov St.-Petersburg State Electrotechnical University "LETI" & St.-Petersburg State University, Russian
14:50 -15:30PM Poster & Session Break	P01: Improved Electrochemical Property by Tungsten Layer Coating on Si Electrode Anode in Lithium Secondary Battery	ByungDae Son Korea University, Korea
	P02: Bio-inspired strategies for filtration: How can hybrid conductive textile contribute?	Behary Massika Nemeshwaree ENSAIT-GEMTEX, France
	P03: Nematic liquid crystals based on suspensions of carbon nanotubes and mineral particles	Anastasiia V. Venediktova Saint-Petersburg Electrotechnical University "LETI", Russia
	P04: Development of Novel Optical Detection System for Aquatic Plants	Luowei Huang, Xing-Zheng Wu Fukuoka Institute of Technology, Japan
Session: Bioinspired MaterialsIII Chair: Henrich H. Paradies		
15:30-15:55PM	A27: Supramolecular Vesicles Based on Amphiphilic Pillar[5]arene Derivatives for Drug Delivery	Zhichao Pei Northwest A&F University, China
15:55-16:20PM	A28: Some approaches towards Biomimetic luminescent and fluorescent textiles	Behary Massika Nemeshwaree ENSAIT-GEMTEX, France
16:20-16:45PM	A29: From biominerals to bioglasses: how can molecular simulations improve the design of bioinspired materials?	Dirk Zahn Department of Chemistry and Pharmacy, FAU, Germany
18:30PM	Dinner Social ("La Domeure Saint Antoine" enjoy the sunset in Grand Baie & red roof church in Cal Malheureux)	

Wednesday Nov. 29

One-day Excursion

Speed boat trip to chase the dolphins & Snorkeling

Bale du cap

Gris gris beach and Lunch

Natural Bridge

Glass Bottom Boat Trip and Snorkeling at the Blue Bay

Dinner: DECK Deck Restaurant