

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

**Monday Nov. 27**  
**Room: La Bellone**

**Session: Photodetectors    Chair: Constantin Meis**

14:00 -14:25PM	A09: SWIR photo-detection with sub-wavelength resonators	<b>Jean-Luc Pelouard</b> Center for Nanoscience and Nanotechnology (C2N), France
14:25 -14:50PM	A10: Optoelectronic applications of PureB technology	<b>Lis Nanver</b> University of Twente, The Netherlands
14:50 -15:15PM	A11: Waveguide integrated photodetectors for near-IR and mid-IR applications	<b>Callum Littlejohns</b> 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	<b>Tihomir Knežević</b> 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	<b>Bernadette Tse-Sum-Bui</b> University of Technology of Compiègne(UTC), France
16:25P-16:50PM	A14: Glyco-nanovesicles Based on Amphiphilic Small Molecular for Targeted Drug Delivery	<b>Yuxin Pei</b> Northwest A&F University, China
16:50-17:15PM	A15: Pulp Fibre Pore Structure and Reactivity	<b>Thaddeus Maloney</b> Aalto University, Finland
17:15-17:40PM	A16: Challenges of preserving written heritage with increased amounts of transition metals	<b>Jasna Malešič</b> National and University Library, Slovenia
18:00PM	Dinner Social ("THE CITY ORIENT")	

**Tuesday Nov. 28**  
**Room: 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	<b>Evzen Amler</b> Czech Technical University, Czech Republic
9:25-9:50AM	A18: Effect of different CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> morphologies on photovoltaic properties of perovskite solar cells	<b>Lung-Chien Chen</b> National Taipei University of Technology, Taiwan
9:50-10:15AM	A19: Magnetoresistance and Spin Logic	<b>Xiaozhong Zhang</b> Tsinghua University, China
10:15-10:40AM	A20: The influence of bi-metallic nanocomposite in the preparation thin film perovskite solar cell	<b>Genene Tessema Mola</b> 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	<b>Masaru Matsuo</b> Dalian university of Technology, China
11:25-11:50AM	A22: Optical feedback and confinement in GaN-based vertical cavity surface-emitting lasers	<b>Åsa Haglund</b> Chalmers University of Technology, Sweden
11:50-12:15AM	A23: Vector potential quantization: Single photon state and the quantum vacuum	<b>Constantin Meis</b> CEA/INSTN, Saclay, France
12:15-12:40AM	A24: Local structure of organic-inorganic hybrid perovskites	<b>Lorenzo Malavasi</b> University of Pavia & INSTM, Italy
12:40-14:00 PM	Lunch Break	

**Tuesday Nov. 28**  
**Room: 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	<b>Dieter Herlach</b> Ruhr-University Bochum, Germany
14:25 -14:50PM	A26: Dynamic Holography in Liquid Crystal Valves and Adaptive Optics	<b>Vladimir Yu.Venediktov</b> St.-Petersburg State Electrotechnical University "LETI" & St.-Petersburg State University, Russian
14:50 -15:30PM <b>Poster &amp; Session Break</b>	P01: Improved Electrochemical Property by Tungsten Layer Coating on Si Electrode Anode in Lithium Secondary Battery	<b>ByungDae Son</b> Korea University, Korea
	P02: Bio-inspired strategies for filtration: How can hybrid conductive textile contribute?	<b>Behary Massika Nemeshwaree</b> ENSAIT-GEMTEX, France
	P03: Nematic liquid crystals based on suspensions of carbon nanotubes and mineral particles	<b>Anastasiia V.Venediktova</b> Saint-Petersburg Electrotechnical University "LETI", Russia
	P04: Development of Novel Optical Detection System for Aquatic Plants	<b>Luowei Huang, Xing-Zheng Wu</b> 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	<b>Zhichao Pei</b> Northwest A&F University, China
15:55P-16:20PM	A28: Some approaches towards Biomimetic luminescent and fluorescent textiles	<b>Behary Massika Nemeshwaree</b> ENSAIT-GEMTEX, France
16:20-16:45PM	A29: From biominerals to bioglasses: how can molecular simulations improve the design of bioinspired materials?	<b>Dirk Zahn</b> Department of Chemistry and Pharmacy, FAU, Germany
17:00PM	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

