

| | | |
|--|--|---|
| Sunday Nov. 26 (14:00-17:00PM) On Site Registration | | |
| Monday Nov. 27 Room: La Bellone | | |
| Session: Cellulose I Chair: Thaddeus Maloney | | |
| 9:00-9:25AM | A01: Understanding and manipulating cellulose solubilization in 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 (KAUST), 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: 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 Compiègne(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 |
| 18:00PM | 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 | 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: 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 |
| 15:55P-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 |
| 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

