

SMS / NanoMed / Sensors / EGF 2026
Joint International Conferences Preliminary Program
21 - 23 October 2026, Seville – Spain

Wed. 21 Oct. 2026		
08:00 - 12:00	Conference Registration	
09:00 - 10:00	Welcome Coffee Break	
SMS 2026 / EGF 2026 / Sensors 2026 / NanoMed 2026 Joint Plenary Session I		
Conference Room		
Session Chairs:		
10:00 - 10:30	Functional Materials: From Self-Cleaning Surfaces to Radiative Cooling Coatings I.P Parkin	Prof. Ivan Parkin, University College London, UK
10:30 - 11:00	High-performance, heteroepitaxial, device layers for wide-ranging electrical and electronic applications. A.Goyal	Prof. Amit Goyal, Oak Ridge & University at Buffalo, USA
11:00 - 11:30	Ultraclean van der Waals interfaces for novel materials and twistrionics R. Gorbachev	Prof. Roman Gorbachev, University of Manchester, UK
11:30 - 12:00	Coherent propagation of Laser Induced Periodic Surface Structures by doping in ZnO films G. Gomez-Munoz, R. Ariza, J.F. Ramos-Justicia, F. Cabello-Pardos, A. Pablo Perez1, J. Gonzalo, B. Sotillo, C. Lopez-Santos, P. Fernandez and J. Solis	Prof. Javier Solis, Instituto de Optica-CSIC, Spain
12:00 - 14:00 Lunch Break – Restaurant		
SMS 2026/ EGF 2026 Session I. A: Smart & Multifunctional Materials, Coatings and Surfaces		
Conference Room 1		
Session Chairs:		
14:00 - 14:30	Functional thermomechanical properties of NiTi shape memory alloy coatings fabricated by thermal plasma HVOF method P. Sittner, S. Samal and S. Joshi	Dr. Petr Sittner, Czech Academy of Sciences, Czech Rep.
14:30 - 15:00	Self-stratifying coatings and vitrimers : a path toward multifunctional, repairable and recyclable surface systems M. Jimenez, A. Kerrache, A. Lebeau, M. Casetta, F. Samyn and J.F. Gohy	Prof. Maude Jimenez, Univ. Lille, France
14:45 - 15:00	A pre-ceramic sol-gel coating for thermal protection M. Busquet and J. Garcia	Mrs. Marie Busquet, Institut de Recherche St Exupéry, Toulouse, France
15:00 - 15:15	One-step RF sputtering deposition of strained epitaxial NiZnAl spinel ferrite thin films C. Granados-Miralles, A. Gonzalo, J. Soler-Morala, A.M. Friedel, E. García-Tabarés, A. Gudín, J. Rubio-Zuazo, P. Perna and I. Arnay	Dr. Iciar Arnay Ortigosa, Univ. Carlos III de Madrid, Spain
15:15 - 15:30	Surface Plasmon Resonance Imaging of Meta surfaces Patterned Via Pyramidal Interference Lithography R.G. Sabat	Prof. Ribal Georges Sabat, Royal Military College of Canada, Canada
15:30 - 15:45	Generation of structural colors in Ag-based plasmonic nanostructures by direct fs-laser irradiation A. Philip, A. P. Pérez-Marín, J. Siegel, J. Gonzalo, M. Garcia-Lechuga	Dr. Jose Gonzalo, IO–CSIC- Madrid, Spain

15:45 - 16:00	Hydrophobicity Recovery Mechanisms in Silicone and Epoxy Out-door Insulating Materials Under Contamination and Corona Stress A. Milionis , J. Goerlich, A. Leal-Ayala, P. Meier, D. K. Hohl and S. Kornhuber	Dr. Athanasios Milionis , ABB Switzerland Ltd., Switzerland
16:00 - 16:30 Afternoon Coffee Break		
Session Chairs:		
16:30 – 17:00	Scalable Routes to Functional Materials: Photocatalytic, TCO and Anti-Soiling Coatings C. J. Carmalt	Prof. Claire Carmalt , University College London, UK
17:00 - 17:15	The role of casting skin and section thickness in zinc coating formation on cast iron with added Ni K. Bracka-Kęsek , J. Marosz, M. Górny and B. Cygan	Dr. Karolina Bracka-Kęsek , AGH University of Krakow, Poland
17:15 - 17:30	Cyclic Behavior of Hybrid SMA-Steel Rings as Smart Dampers and the Effect of Diametric Difference on Interface Interference E. Choi , S. Park and M-K. Jang	Prof. Eunsoo Choi , Hongik Univ., Rep. Korea
17:30 - 17:45	Surface Coating Engineering to Enhance Safety of High-Energy Lithium-Ion Batteries N. L. Wu and S, J. Chang	Prof. Nae-Lih Wu , National Taiwan University, Taiwan
17:45 - 18:00	Integrating Safe and Sustainable by Design into the Development of Bio-Based Functional Textile Coatings: The SSbD4Chem Textile Case Study P.Tovillas	Dr. Pablo Tovillas Greca , NOVEX, Spain
18:00 - 18:15	Origami-Inspired Foldable Textile Structures for Programmable Shape Morphing D. Zhang , C. Harnett, J. Schulte, C. Heyen and T. Gries	Ms. Danchen Zhang , RWTH Aachen University, Germany

Wed. 21 Oct. 2026

SMS 2026 / Sensors 2026/ EGF 2026- Session I. B: Graphene and 2D Materials/ Sensing Materials

Conference Room

Session Chairs:

14:00 - 14:30	Clean Interfaces in van der Waals Materials: From Adhesion to Transparent Point Contacts P. Ares	Dr. Pablo Ares , Universidad Autónoma de Madrid, Spain
14:30 - 15:00	From Process Integration to Functional Graphene Photonic Devices M. Lukosius	Dr. Mindaugas Lukosius , IHP- Institute for High Performance Microelectronics, Germany
15:00 – 15:30	EMI shielding by horizontally- aligned MWCNTs polymer nanocomposites R. Checchetto , G. Fredi and B. L. Wardle	Prof. Riccardo Checchetto , University of Trento, Italy
15:30 – 15:45	Influence of Directly Deposited Hexagonal Boron Nitride Interlayers on the Interface Properties and Photo response of Graphene/Si Heterostructures Š. Meškinis , A. Vasiliauskas, A. Guobienė, Š. Jankauskas, V. Stankus, M. Andrulevičius and R. Gudaitis	Dr. Šarūnas Meškinis , Kaunas University of Technology, Lithuania
15:45 - 16:00	Wearable Sensors and Flexible Electrodes from Laser-Induced Graphene and MXene M. Spasenović , T. Vičentić, A. Gavran, K. Tošić, V. Vojnović, I. Rašljić-Rafajilović and M.V. Pergal	Dr. Marko Spasenovic , Univ. of Belgrade, Serbia
16:00 - 16:30	Afternoon Coffee Break – Foyer	
Session Chairs:		
16:30 - 17:00	Intelligent Actuator(-Sensor) Systems based on Shape Memory Alloys and Dielectric Elastomers P. Motzki	Prof. Paul Motzki , Saarland Univ., Germany
17:00 – 17:30		Prof. Olivier Soppera , Univ. Haute-Alsace, France
17:30 - 17:45	Flexible Screen-Printed Gold Electrode Arrays as Platforms for Hybrid-Nanomaterial-Enhanced Electrochemical Sensing N. Godja , S. Assadollahi, M. Hütter, P. Mehrabi, N. Khajehmeymandi, T. Schalkhammer and F-D. Munteanu	Mrs. Norica-Carmen Godja Attophotonics Biosciences GmbH, Austria
17:45 - 18:00	Design, Electrochemical Characterization, and Analytical Applications of Innovative Bi-Band Microelectrodes K. Jedlińska and B. Baś	Dr. Katarzyna Jedlinska , AGH University of Krakow, Poland
18:00 - 18:15	Development of a novel voltammetric sensor based on MWCNT-juglone paste electrode for high sensitive melatonin measurement in pharmaceutical formulations and dietary supplements J. Smajdor-Baran	Dr. Joanna Smajdor-Baran , AGH University of Krakow, Poland

Wed. 21 Oct. 2026		
SMS 2026 / NanoMed 2026 - Session I. C: Next Gen Nanomaterials and Biofabrication / Bioinspired / Biomimetic Bioactive Materials		
Conference Room		
Session Chairs:		
14:00 - 14:30		Prof. Pilar Rivera Gil, Univ Pompeu Fabra - Barcelona, Spain
14:30 - 15:00	Nanoengineering the Bone Regenerative Microenvironment I. Izquierdo Barba	Prof. Isabel Izquierdo Barba, Complutense University of Madrid, Spain
15:00 - 15:15	Rational Design of Stable and Biocompatible CuS Plasmonic Nanocrystals with Tunable NIR-II Photo-responsive Properties for Biomedical Applications F. Barbero, S. Shanmugam, D. Maccarrone, G. Perrone, K. Mareschi, I. Kokalari, A.M. Ferretti and I. Fenoglio	Dr. Francesco Barbero, Univ. of Torino, Italy
15:15 - 15:30	Adsorption and desorption of bioactive organic molecules in the con-fined interlayer space of clay minerals for potential drug delivery sys-tems. Experimental and molecular modeling approaches. C.I. Sainz-Díaz, A. Hernández-Laguna, S. Kanwal, C. Viseras-Iborra and A. Borrego-Sánchez	Dr. C. Ignacio Sainz-Díaz, IACT_CSIC- Granada, Spain
15:30 - 15:45	Advanced Synthetic Polymer-Based Blockers: A Superior Pathogen-Free Alternative to BSA for IVD Surface Coating L. Kostka, V. Šubr, M. Tůmová, P. Dráber, J. Plicka and T. Etrych	Dr. Libor Kostka, Institute of Macromolecular Chemistry, Czech Rep.
15:45 - 16:00	HPMA Copolymer–Gemcitabine Conjugates: Impact of Drug Release Kinetics on Antitumor Efficacy R. Pola, K. Běhalová, N. Adamcová, M. Ivančík, M. Šírová, I.B. Kilic, P. Procházková, P. Kašpárek, A. Bulková, P. Lukac, L. Vannucci, B. Říhová, M. Kovář and T. Etrych	Dr. Robert Pola, Institute of Macromolecular Chemistry, Czech Rep.
16:00 - 16:30 Afternoon Coffee Break – Foyer		
Session Chairs:		
16:30 - 16:45	Abdominal PP meshes coated with functional biodegradable nanofibers for the simultaneous prevention of postoperative adhesions and infections S. Degoutin, M. Dufay, M. Jimenez, M. Casetta, M. Maton, F. Cazaux, S. Bellayer, F. Chai, N. Blanchemain	Dr. Stéphanie Degoutin, Univ. of Lille, France
16:45 - 17:00	Evaluation of the Protective Performance and Electrochemical Stability of Nitradine Commercial Formulation C.A. Freiria de Oliveira, V.C. Oliveira, A.P. Macedo, E. Watanabe, R. Galo and V.O. Pagnano	Ms. Carolina A. Freiria de Oliveira, Univ. of São Paulo, Brazil
17:00 - 17:15	Defect-Engineered Hexagonal Boron Nitride as a Dual-Action Orthopedic Biomaterial for Simultaneous Osteogenesis and Osteosarcoma Therapy L. Souyris, I. Charodin, F. Salmeron, Z. Saleh, H. Belaid, D. Cornu, P-Y. Collart-Dutilleul, M. Bechelany and V. Cavaillès	Ms. Zahraa Saleh, Univ Montpellier, France

Thu. 22 October 2026		
SMS 2026 / EGF 2026 / Sensors 2026 / NanoMed 2026 Joint Plenary Session II		
Conference Room		
Session Chairs:		
09:00 - 09:30	Ultrafast domain wall propagation in amorphous magnetic microwires. A. Zhukov , P. Corte-Leon, A. Gonzalez, P. A. Rodríguez Jiménez and V. Zhukova	Prof. Arcady Zhukov , University of Basque Country, Spain
09:30 - 10:00	Crystal Growth and Chemical Engineering of Two-Dimensional Magnets, Semiconductors and Dielectrics Z. Sofer	Prof. Zdeněk Sofer , UCT Prague, Czech Rep.
10:00 - 10:30 Morning Coffee Break – Foyer		
Session Chairs:		
10:30 - 11:00	How to get from nano to active surface in energy storage materials: A long and winding road. P. Gomez-Romero	Prof. Pedro Gomez-Romero , ICN2 (CSIC-BIST)-Barcelona, Spain
11:00 - 11:30	From Ensemble Binding to Single-Molecule Statistics in pH-conditioned biosensing L. Torsi	Prof. Luisa Torsi , University of Bari, Italy
11:30 - 12:00	Clinical Validation of Wearable Piezoelectric Sensor & MicroLEDs for Skin Phototherapy and Cardiovascular Monitoring K. Jae Lee	Prof. Keon Jae Lee , Korea Advanced Institute of Science and Technology (KAIST), Rep. of Korea
12:00 - 12:30	Building a Coordinated European Ecosystem for Advanced Materials: Lessons from the InnoMatSyn CSA A. Irazustabarrena	Ms. Ane Irazustabarrena Murgiondo , TECNALIA, Spain
12:00 - 14:00 Lunch Break – Restaurant		
Conference Room		
EGF 2026/ Sensors 2026 joint Session II. A:		
Session Chairs:		
14:00 - 14:30	Unveiling the Atomic Configuration and Physical Properties of Low-Dimensional (2D) Materials via Advanced TEM R. Arenal	Dr. Raul Arenal , Univ. of Zaragoza, Spain
14:30 - 15:00	Ion transportation in organic/inorganic composite electrolyte and its full battery Y. Wang and L. Lu	Prof. Li Lu , National University of Singapore (Chongqing) Research Institute, Singapore
15:00 - 15:15	Graphene-based formulations for high-definition capillary printing of electrolyte-gated field-effect transistors H. Mahi , M. Pascual and N. Battaglini	Ms. Hassina Mahi , Univ. Paris Cité, France
15:15 - 15:30	Modulating The Resonance Response Of Monolayer Graphene Nanodrums: A Molecular Dynamics Study J. Varillas and M. Kalbáč	Dr. Javier Varillas , Heyrovsky Institute, Czech Rep.
15:30 - 15:45		
15:45 - 16:00		
16:00 - 16:30 Afternoon Coffee Break – Foyer		
16:30 - 17:00	Halide perovskites for next generation optoelectronics M. Anaya	Dr. Miguel Anaya , Institute of Materials Science of Seville, Spain

17:00 – 17:15	Unlocking Robust 2D Hybrid Perovskite Optoelectronics K.J. Riisnaes , R. Mastroia, A. Bacon, I. Lieontis, O. Lam, L. De Marco, M. Craciun and S. Russo	Dr. Karl Jonas Riisnaes , University Exeter, UK
Thu. 22 October 2026		
SMS 2026 / Sensors 2026 Focus Session II.B: 2D Materials for Electronics, Energy, and Life Sciences Biosensors and Biosensing / Biomedical Sensors		
Conference Room		
Session Chairs:		
14:00 - 14:30	Bioinspired nanobiosensors for portable and wearable diagnostics E. Michelini	Prof. Elisa Michelini , University of Bologna, Italy
14:30 - 15:00	Nanobiosensors	Prof. Xing Wang , University of Illinois at Urbana- Champaign, USA
15:00 - 15:30	C-peptide Immunosensor as a novel tool for Diabetes Management R. Antiochia , C. Tortolini and F. Dotta	Prof. Riccarda Antiochia , University of Rome "La Sapienza", Italy
15:30 - 15:45	Matrix-Activated Sensors for Human Serum Analysis A. Barbaroux , B. Chovelon, E. Fiore, S. Vezirian, M. Henry, M. Zoubeidi, M. C. DeRosa, C. Ravelet and E. Peyrin 1	Ms. Amandine Barbaroux , University Grenoble Alpes, France
15:45 - 16:00	Modulating Agglutination for Quantitative Paper Diagnostics A. Tripathi , R. More, S. Corrie and G. Garnier	Mr. Anuragmani Tripathi , Monash Univ., Australia
16:00 - 16:30	Afternoon Coffee Break - Foyer	
SMS 2026 / Sensors 2026 Focus Session II.C: Next-Gen Miniaturized Biosensors: Toward Smart, Scalable, and Portable Sensing Systems		
Session Chairs:		
16:30 - 16:45	Rapid handheld graphene FET platform for dual acute myocardial infarction biomarker detection J.P. Ramoso , L. Ranatunge and W. Balachandran	Mr. John Paolo Ramoso , Brunel University of London, UK
16:45 - 17:00	Graphenic DCDR/GERS Platforms for Ultrasensitive and Selective Raman Detection of Human Interleukin-6 E. de la O-Cuevas and J.M. Saniger	Dr. Jose Manuel Saniger , Univ. Nacional Autónoma de México, Mexico .

Thu 22 Oct. 2026

NanoMed 2026 Session II. D:
Therapeutics, Regeneration & Oncology / Diagnostics and Imaging / Safety & Future Frontiers

Conference Room

Session Chairs:

14:00 - 14:30	From erythrocyte-based cardiovascular risk assessment to the development of synthetic erythrocytes N.C. Santos	Prof. Nuno C. Santos , IMM Lisboa, Portugal
14:30 - 15:00	Calorimetric Lateral Flow Immunoassays: Next-Generation Point-of-Care Biosensors Targeting Tumor Related Extracellular Vesicles and their miRNA Content J. M. de La Fuente	Prof. Jesus M de la Fuente , ICMA, CSIC /Univ de Zaragoza and CIBER-BBN, Spain
15:00 - 15:30		Prof. Cristina Satriano , Univ. of Catania, Italy
15:15 - 15:30	Engineering Nano-emulsions: How Lipid Composition Controls Cellular Outcomes AB. Dávila Ibáñez , L. Funes Varela, S. Bravo, C. Costa, A. Cabezas and R. López López	Dr. Ana Belen Davila Ibanez , Oncomet- Health Research Institute of Santiago, Spain
15:30 - 15:45	Biofunctionalized ZnO nanoflowers as a non-viral mechanoporation platform for gene delivery in epidermolysis bullosa G. Mandriota , G. Leccese, C. De Stradis, R. Maria Percoco, C. Baldari, S. Schirinzi, S. D'Amone, G. Maiorano, G. Gigli and I. Elenà Palamà	Dr. Giacomo Mandriota , CNR Nanotec, Italy
15:45 - 16:00	Reactivating the STING pathway in PTK7-positive acute leukemia cells using DNA-based theranostic nanodevices E. Ottalagana , A. Marranci, A. Moscardini, F. Olimpico, L. Tedeschi, F. Rea, T. Salvatori, I. Squicciarro, P. Mastella, F. Beltram, S. Luin and A.G. Luserna di Rorà	Mrs. Elisa Ottalagana , Scuola Normale Superiore & CNR- Pisa, Italy
16:00 - 16:30	Afternoon Coffee Break – Foyer	
	Session Chairs:	
16:30 – 17:00	Harnessing Nature Driven Nanotechnology: Polyphenol Based Platforms to Enhance Immune and Cancer Therapy. M. Cascione, V. De Matteis and R. Rinaldi	Prof. Rosaria Rinaldi , Univ. of Salento, Italy
16:45 - 17:30	Novel Cancer NanoMedicines: From Therapy of poorly vascularized tumors to protection from radiotherapy induced damage in the skin B. Godin	Prof. Biana Godin , Houston Methodist Research Institute, USA
17:30 - 17:45	Magnetic liposomal drug delivery systems in ovarian cancer therapy: new opportunities to overcome drug resistance J. Nowak-Niedźwiecka , A. Mamczur, B. Machnicka, A. Czogalla, M. Cano, V. Garcia-Caballero and J. J. Giner-Casares	Dr. Julia Nowak-Niedźwiecka , University of Zielona Góra, Poland
17:45 - 18:00	Reprogramming the Pancreatic Adenocarcinoma Microenvironment integrating mutSEMA3A mRNA-Lipid Nanoparticles with a Vascularized Organ-on-Chip Model G.Tomaino , L.Salvioni, L.Fiandra, E.Giraud, M.Innocenti and D.Prosperi	Dr. Giulia Tomaino , University of Milan Bicocca, Italy
18:00 - 18:15	Dual-Targeting Strategy to Repurpose Cetuximab with HFn Nanoconjugates for Immunotherapy of Triple-Negative Breast Cancer L. Barbieri , A. Banfi, L. Salvioni, M. Innocenti, D. Prosperi and L. Fiandra	Dr. Linda Barbieri , University of Milano-Bicocca, Italy
18:15 - 18:30	Circulating Tumor Cells and Their Secretome Drive Pre-Metastatic Niche Formation in the Liver of Pancreatic Ductal Adenocarcinoma Patients. M. Principia Scavo , G. Panzetta, R. Palieri, M. De Luca, F. Balestra, F. Rizzi, C. Perrone, N. Depalo and G. Giannelli	Dr. Maria Principia Scavo , IRCCS de Bellis, Italy

Fri. 23 Oct. 2026		
SMS / EGF 2026 Session III.A: Applications for energy and environment		
Conference room		
Session Chairs:		
08:30 - 09:00	Solid-State Caloric Cooling: A Clean Path to the Future of Refrigeration L. Mañosa	Prof. Lluís Mañosa Carrera , University of Barcelona, Spain
09:00 - 09:30	Low-Carbon 3D Construction Printing: Materials, Modelling and Autonomous Construction K. M. Liew	Prof. Kim Meow Liew , City University of Hong Kong, China
09:30 - 09:45	Manganese-Modified Co- and Cu- Based Mixed Oxides for Enhanced Catalytic Oxidation of Toluene and CO C.E. Bounoukta, E. Genty, C. Poupin, F. Cazier, G. Leyssens and V. Tschamber, J.P. Dacquin, S. Royer, Balay, F. Robic, S. Siffert and R. Cousin	Prof. Stephane Siffert , Univ. du Littoral Côte d'Opale, France
09:45 - 10:00	Effect of A-Site Substitution on the Catalytic Performance of LaMnO ₃ Perovskites for Complete Oxidation of pollutants C.E. Bounoukta, E. Genty, C. Poupin, C. Ciotonea, F. Cazier, G. Leyssens, V. Tschamber, J.P. Dacquin, S. Royer, Balay, F. Robic, S. Siffert and R. Cousin	Prof. Renaud Cousin , Univ. du Littoral Côte d'Opale, France
10:00 - 10:30	Morning Coffee Break – Foyer	
10:30 – 11:00	MXenes as versatile 2D materials for next-generation catalysis A. Primo	Prof. Ana Primo Arnau , Instituto de Tecnología Química (UPV-CSIC) Valencia, Spain
11:00 - 11:15	Effects of UV and atmospheric plasma treatments on fracture toughness of glass fibre reinforced thermoplastic composites A Ivankovica , G Scarsellib, D Quanc, V Prasada,b, PS Raod, M Hardimane, I Reida, NP O'Dowdd and N Murphya,	Prof. Alojz Ivankovic , UCD-Dublin, Ireland
11:15 - 11:30	Efficient Transformation of Glucose into 5-Hydroxymethylfurfural using PO ₄ -terminated Nb ₂ C MXene as Catalyst A. Raya-Barón , E. Romero-Salicio, L. Tian, B. Cojocar, V. Parvulescu, A. Primo and H. García	Dr. Alvaro Raya Baron , Instituto de Tecnología Química (UPV-CSIC) Valencia, Spain
11:30 - 11:45	Tailoring structured multifunctional carbon nanotube supported catalysts for the valorization of glycerol to 1,2-propanediol D. Lumpp, M. Mohammadi and J. Albert	Prof. Jakob Albert , University of Hamburg, Germany

Fri. 23 Oct. 2026		
NanoMed/ Sensors 2026 JOINT Session III.B: Environmental Sensors/ Smart Sensor Networks/ AI Integration		
Conference room		
Session Chairs:		
09:00 - 09:15	Catalytically propelled Janus pectin micromotors for enhanced tumour penetration and active drug delivery T. Raj , S. Ariraman, S. Chakraborty, V. Selvaraj, B. Roy, H. Kress, E. Mani and S. Sudhakar	Mr. Thilak Raj , Indian Institute of Technology Madras, India
09:15 - 10:00		
10:00 - 10:30	Morning Coffee Break - Foyer	
10:30 - 10:45	Humidity-Assisted Machine Learning Calibration of PdAu Resistive Hydrogen Sensors Under Aerobic Conditions J. Herbeck-Tazibt , H. I. Turan, M. A. Djeziri, T. Fiorido and H. T. Hayvaci	Mr. Jordan Herbeck-Tazibt , Aix-Marseille Univ, France
10:45 - 11:00	Challenges on dual-output rectifier-based power management circuits for triboelectric nanogenerators F. Reverter , O. López, J. O. Casas and M. Gasulla	Dr. Ferran Reverter , Univ. Politècnica de Catalunya, Spain
11:00 - 11:15	Self-Powered Non-Contact PP/PVDF Triboelectric Sensor Enhanced by Low-Permittivity Supporting Layers P. Slobodian and B. Hausnerova	Prof. Petr Slobodian , Tomas Bata University- Zlin, Czech Rep.
11:15 -11:30	Assessing olive oil adulteration by comparing the discerning performances of nanostructured gas sensors and human olfaction M. Astolfi , M. Masin, M. Barbieri, I. Donelli, L. Montesi,,S. Gherardi, C. Malagù, A. Pignatelli and G. Rispoli	Dr. Michele Astolfi , Univ. of Ferrara, Italy
11:30 -11:45		

N.	Poster Title	Author, Affiliation, Country
1.	Multidirectional Mechanical Stability and Seam Efficiency of Woven Reinforced Laminated Composites I. Schwarz	Prof. Ivana Schwarz , University of Zagreb, Croatia
2.	Plasmon-Enhanced Photocatalysis in Microflow: Synthesis and Application of surface-modified Au/PDMS nanocomposite M. Rašljčić Rafajilović , M. V. Bošković, K. Radulović, M. Obradov and D. Vasiljević-Radović	Dr. Milena Rašljčić Rafajilović , Univ. of Belgrade, Serbia
3.	Optimization of RF-Sputtered TiO ₂ on Dewetted Au Nanoparticles for Plasmonic Photocatalysis M. V. Bošković , O. Živković, M. Obradov, M. Rašljčić Rafajilović and D. Vasiljević Radović	Mr. Marko Bošković , Univ. of Belgrade, Serbia
4.	Safe and Sustainable Bio-Based Functional Coatings for Textiles by Atmospheric Pressure Plasma Polymerization P.Tovillas, M. Martínez-Falcón , M. Iñiguez and M. Martínez-Vergara	Dr. María Martínez Falcon , NOVEX, Spain
5.	Durability assessment of UV-cured functional SiO _x Ny thin films using climate chamber E. Shmagina , J. Küpersep, V. Shirokova and S. Bereznev	Ms. Elizaveta Shmagina , Tallinn University of Technology, Estonia
6.	Core–Shell Engineering of Ge Quantum Dots for Enhanced Photodetector Response: Experiment and Electromagnetic Simulations I. Periša, T. Car , K.V. Kripesh, K. Salamon and M. Mičetić	Dr. Tihomir Car , Rudjer Boskovic Institute, Croatia
7.	From Catecholamines to Nanohybrids: New Materials for Point-of-Care Biosensing A. Jędrzak , M. Kuznowicz and T. Jesionowski	Mr. Artur Jędrzak , Poznan University of Technology, Poland
8.	Atomic-scale characterization of Ti-based alloy biomaterials for hip and knee endoprostheses E. A. Gonzalez , M. G. Sandoval, P. V. Jasen, M. J. Jiménez, G.P. Brizuela, A. Hernández-Laguna, A. Juan and C. I. Sainz-Díaz	Ms. Estela Andrea Gonzalez , UNS- Bahía, Argentina
9.	Grading of magnetic anisotropy and engineering of domain wall dynamics in Fe-rich microwires by stress- annealing. A. Zhukov, P. Corte-Leon, J. M. Blanco and V. Zhukova	Dr. Valentina Zhukova , Univ. of Basque Country, Spain
10.	Temperature-Guided Formation of Functional Silico-Alumino-Phosphate Binders Revealed by Multinuclear Solid-State NMR J. Brus , M. Urbanova, I. Sedenkova and M. Keppert	Dr. Jiri Brus , Institute of Macromolecular Chemistry CAS, Czech. Rep
11.	Recycling Potential of Conductive Ink Printed Substrates K.I. Ivanda , M.V. Bezjak, T. Cigula and R. Kulčar	Prof. Katarina I. Ivanda , Univ. of Zagreb, Croatia
12.	Green Synthesis of Gold Nanoparticles Using Silybum marianum Extracts and Silybin for Future Tissue Regeneration Applications B. Strojny-Cieślak , M. Pruchniewski, Z. Nowak and A. Ostrowska	Dr. Barbara Strojny-Cieślak , Warsaw University of Life Sciences, Poland
13.	Advanced Biomaterial Platforms for Tissue Regeneration: Thickness-Tunable PBAT Nanofibrous Scaffolds and Injectable Silk Fibroin Microcarriers S.O. Akbulut, S. Ekicier Acar, E. Konuk Tokak, D. Çakır, A.S. Çakmak, T. Gültan and M. Gümüşderelioğlu	Prof. Menemşe Gümüşderelioğlu , Hacettepe University, Türkiye
14.	Biomimetic Poly-(L-lactide) Scaffold Nanostructured with Graphene Oxide and Gold Nanoparticles for Enhanced Skin Regeneration M. Pruchniewski , B. Strojny-Cieślak, R. Kasprzak, P. Nakielski, A. Ostrowska and E. Sawosz	Mr Michał Pruchniewski , Warsaw University of Life Sciences, Poland
15.	pH-Controlled Ionotropic Crosslinking of Alginate–Pectin Microbeads: Multiscale NMR Insights into Ion-Specific Network Formation M. Urbanova , I. Sedenkova, M. Pavelkova, K. Kubova and J. Brus	Dr. Martina Urbanova , Institute of Macromolecular Chemistry, Czech Rep.
16.	Development and Characterization of Curcumin Nanoparticle-Loaded Hydrogel for Skin Regeneration Applications R.D. Pavaloiu, M. Eremia, D. Miu, M. Vladu, A. Albulescu, G. Neagu, R. Albulescu, M. Petrescu and F. Shaat	Dr. Fawzia Shaat , INCDCF- ICCF Bucharest, Romania
17.	Nanoparticle-Based Luminescent Approaches in Biomedical Research: Assessing Cellular Internalization A.I. Becerro , E. Arroyo, B. Torres-Herrero, J.M. de la Fuente and M. Ocaña	Dr. Ana Isabel Becerro , CSIC-US- Seville, Spain

18.	Light-driven organic microrobots as efficient agents for photodynamic treatment of bacterial lung infections. A. Lancézeux , R. de Pedro-Jove, I. Ratera, J. Vila and P. Mayorga-Burrezo	Mr. Allan Lancézeux , ICMAB-CSIC – Univ. Autònoma Barcelona, Spain
19.	Pancreatic Ductal Adenocarcinoma-Derived Small Extracellular Vesicles Remodel the Hepatic Pre-Metastatic Niche through Hybrid Epithelial–Mesenchymal Transition States F. Balestra , G. Panzetta, M. De Luca, F. Rizzi, R. Comparelli, M. L. Curri, G. Giannelli, N. Depalo and M. P. Scavo	Dr. Francesco Balestra , IRCCS. de Bellis, Italy
20.	Extracellular Vesicles from Colorectal Cancer Models for Targeted Drug Delivery M. De Luca , F. Balestra, R. Palieri, G. Panzetta, F. Rizzi, C. Perrone, M. Lucia Curri, G. Giannelli, N. Depalo and M. Principia Scavo	Dr. Maria De Luca , IRCCS. de Bellis, Italy
21.	Verteporfin-loaded nanoemulsions as a promising platform for ovarian cancer photodynamic therapy L. Fuentes , A. E. Arias, C. Abuín, M. Abal, C. Costa, R. López and A. B. Dávila	Ms. Laura Fuentes Varela , Oncomet- Health Research Institute of Santiago (IDIS), Spain
22.	Engineered <i>Saccharomyces cerevisiae</i> biosensor for detection of <i>Candida albicans</i> virulence-associated pheromone signalling: design, construction, and low-cost smartphone fluorescence readout L. Gogianu , M. Simion and M. Popescu	Ms. Larisa Gogianu , the National Institute for Research in Development in Microtechnologies, Romania
23.	Treatment of Contaminated Water in Cuba Using Heterogeneous Solar Photocatalysis with Zeolite Minerals S. Ramírez , M. Rodrigo Moya, A.R. Ruiz-Salvador, A. Jimenez, I. Canosa, A. Flores, L. Riesgo, K. Borrego, T. Farías and M. Ballesteros	Prof. Surey Ramírez González , Univ. Central Marta Abreu de las Villas, Cuba
24.	Surface chemistry of Mg–Fe oxide spinels governing selective arsenic and phosphate removal S. Delibaltova , B. Dojčinović, Ž. Jaćimović, H. Kolev, I. Yordanova, M. Ognjanović, I. Spasojević, M. Milić, V. Girman, M. Fabián and B. Antić	Mrs. Simona Delibaltova , Institute of Catalysis, Bulgaria
25.	Effect of Mg Incorporation on the Structure and Groundwater Purification Performance of Mg–Fe Oxide Spinel A. Vasileva , B. Dojčinović, Ž. Jaćimović, H. Kolev, I. Yordanova, M. Ognjanović, I. Spasojević, M. Milić, V. Girman, M. Fabián and B. Antić	Ms. Anna Vasileva , Institute of Catalysis, Bulgaria
26.	Synergy in contact electrification mechanisms of polyvinyl acetate nanogenerators B. Hausnerova and P. Slobodian	Prof. Berenika Hausnerova , Tomas Bata Univ. in Zlin, Czech Rep.
27.	Mass Production of Stretchable Colorimetric Tape for Ammonia Leakage Detection T.-N. T. Dang and Y. S. Kim	Prof. Yong Shin Kim , Hanyang University, Rep. of Korea
28.	Preparation, Structural Characterization, and Ethanol Sensing Applications of Phase-Pure WO ₃ and CuWO ₄ Thin Films T. Imrich , M. Baudys, H. Krýsová, M. Neumann-Spallart and J. Krýsa	Dr. Tomáš Imrich , Univ. of Chemistry and Technology, Prague, Czech Rep.
29.	Structural and Optical Characterization of Hydrothermally Synthesized Graphene Quantum Dots F. Zaleski , D. Minta, K. Matczyszyn and G. Gryglewicz	Mr. Franciszek Zaleski , Wrocław Univ. of Science and Technology, Poland
30.	Unconventional Signaling-Off PSA Detection Using Laser-Induced Graphene/ZnO Nanorod Impedimetric Immunosensors S.F. Soares, S.O. Pereira, A. J. S. Fernandes, F. M. Costa and N.F. Santos	Mr. Nuno F. Santos , Univ. of Aveiro, Portugal
31.	Advanced Biological Denitrification Using Graphene Oxide Coated Tubular Ceramic Membranes Z. Pouramini , F. E. Stüber and J. Font Capafons	Ms. Zahra Pouramini , Univ. Rovira Virgili, Spain

Oral Presentation and Poster terms

For the Oral Presentation:

Duration of each talk type (including 2 to 3 minutes for Questions/Answers):

- Keynote talk: 30 minutes. Oral presentation: 15 minutes.
- We do not impose a template for the oral presentation.
- You need to carry your presentation in USB key or external disk and **use the available presentations laptop** at the conference room.
- **Do not plan to use your own laptop.**

For the Poster:

- Poster dimensions must be within **100cm high X 80cm wide**.
- We do not impose a template for the poster content.
- Please display your poster at your poster board number as per the conference program.