

## ISFOE20 PROGRAM




### All times displayed in Greece local time (UTC/GMT+3)

### Monday 6 July 2020

11:00-11:30 UTC/GMT+3	<b>Welcome and Opening Remarks</b> S. Logothetidis, ISFOE20 Chairman	
11:30-13:00 UTC/GMT+3	<b>Workshop on OLAE Materials 1</b> Chair: E. Lidorikis, University of Ioannina, Greece	Supported by:  
11:30-12:00 KEYNOTE	<b>Molecular Switches at Interfaces and in Junctions: A Theoretical Perspective</b> J. Cornil <i>Laboratory for Chemistry of Novel Materials, University of Mons, Mons, Belgium</i>	
12:00-12:30 INVITED	<b>Endohedral fullerene hybrids for optoelectronics</b> K. Porfyrakis <i>Faculty of Engineering and Science, University of Greenwich, Central Avenue, Chatham Maritime, Kent, UK</i>	
12:30-12:45	<b>Evidence for Charged Species Formation in High Persistence Length Organic Semiconductors in Solution</b> E. Rezasoltani, <sup>1</sup> A. W. Parker, <sup>2</sup> I. Sazanovich, <sup>2</sup> M. Towrie, <sup>2</sup> M. Bird, <sup>3</sup> A. Virbule, <sup>1</sup> M. S. Vezie, <sup>1</sup> J. Nelson, <sup>1</sup> S. C. Hayes <sup>4</sup> <sup>1</sup> Physics Dept., Imperial College London, London, UK, <sup>2</sup> Central Laser Facility, Research Complex at Harwell, STFC Rutherford Appleton Laboratory, UK, <sup>3</sup> Brookhaven National Laboratory, Upton, NY, USA, <sup>4</sup> Dept. of Chemistry, University of Cyprus, Nicosia, Cyprus	
12:45-13:00	<b>The optical tomography of the birefringent liquid crystal microcavity filled with the organic dye</b> S. Piotrowska <sup>1</sup> , M. Król <sup>1</sup> , K. Rechcińska <sup>1</sup> , R. Mirek <sup>1</sup> , R. Mazur <sup>2</sup> , P. Morawiak <sup>2</sup> , P. Kula <sup>2</sup> , W. Piecek <sup>2</sup> , B. Piętko <sup>1</sup> , J. Szczytko <sup>1</sup> <sup>1</sup> Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Warsaw, Poland, <sup>2</sup> Institute of Applied Physics, Military University of Technology, Warsaw, Poland, <sup>3</sup> Institute of Chemistry, Military University of Technology, Warsaw, Poland	
13:00-14:00	<b>Lunch Break</b> <b>ISFOE20 Posters Display &amp; Presentations (Poster Area 1) – Exhibition - Networking</b>	
14:00-16:00 UTC/GMT+3	<b>Workshop on OLAE Materials 2</b> Chair: A. Laskarakis, Nanotechnology Lab LTFN, AUTH, Greece	Supported by:  
14:00-14:30 INVITED	<b>Multi-scale modeling of structural and electrical properties of organic electronic materials</b> E. Lidorikis <sup>1,2</sup> , C. Trapalis <sup>1</sup> , K. Kaklamanis <sup>1</sup> , M. Andrea <sup>1</sup> , P. Palomino <sup>1</sup> , K. Kordos <sup>1</sup> and D.G. Papageorgiou <sup>1</sup> <sup>1</sup> Department of Materials Science & Engineering, University of Ioannina, Ioannina, Greece <sup>2</sup> University Research Center of Ioannina (URCI), Institute of Materials Science and Computing, Ioannina, Greece	
14:30-14:45	<b>Structural and photophysical templating of conjugated polyelectrolytes with single-stranded DNA</b> E. Nicolaidou <sup>1</sup> , L. Peterhans <sup>2</sup> , P. Diamantis <sup>3</sup> , E. Alloa <sup>1</sup> , M. Leclerc <sup>4</sup> , M. Surin <sup>5</sup> , S. Clément <sup>6</sup> , U. Rothlisberger <sup>3</sup> , N. Banerji <sup>2</sup> , and S.C. Hayes <sup>1</sup> <sup>1</sup> Dept. Chemistry, University of Cyprus, Nicosia, Cyprus, <sup>2</sup> Dept. Chemistry and Biochemistry, University of Bern, Switzerland <sup>3</sup> Laboratory of Computational Chemistry and Biochemistry, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland <sup>4</sup> Dept. Chemistry, Université Laval, Quebec, Canada, <sup>5</sup> Laboratory for Chemistry of Novel Materials, Center for Innovation in Materials and Polymers, University of Mons – UMONS, Belgium, <sup>6</sup> Institut Charles Gerhardt Montpellier, CNRS, Université de Montpellier, France	
14:45-15:00	<b>Digitalisation of Multiscale Characterization Protocols for Organic Electronics</b> K. Kaklamanis <sup>1</sup> , E. Lidorikis <sup>1</sup> , J.-M. Lucatelli <sup>2</sup> , J. Lecomte <sup>2</sup> , D. Papageorgiou <sup>1</sup> , M. Andrea <sup>1</sup> , K. Kordos <sup>1</sup> , L. Steinbach <sup>2</sup> , D. DiStefano <sup>2</sup> , D. Dykeman <sup>2</sup> <sup>1</sup> Department of Materials Science and Engineering, University of Ioannina, Ioannina, Greece; <sup>2</sup> Ansys Granta, Cambridge, UK	
15:00-15:30 INVITED	<b>Upscale of a conductive coating system for flexible electronics from a pilot working width of 300 mm to a production working width of 2.000 mm</b> T. Kolbusch, J. Koc, K. Crone <i>Coatema Coating Machinery GmbH, Dormagen, Germany</i>	
15:30-16:00 INVITED	<b>Application of ink rheology: From formulation to volume production</b> T. Claypole, A. Claypole, J. Claypole <i>Welsh Centre for Printing and Coating, College of Engineering, Swansea University, Swansea University, Swansea, UK</i>	
16:00-16:30	<b>Coffee Break</b> <b>ISFOE20 Posters Display &amp; Presentations (Poster Area 1) – Exhibition - Networking</b>	
16:30-20:30 UTC/GMT+3	<b>Workshop on OPVs &amp; Perovskite PVs 1 – Honorary Tribute to Dr. Nico Meyer</b> Chair: M. Gioti, Nanotechnology Lab LTFN, AUTH, Greece	Supported by:   
16:30-17:00 KEYNOTE	<b>Honorary Tribute to Dr. Nico Meyer</b> S. Logothetidis (AUTH), T. Kolbusch (Coatema), J. Kreis (LemnaTec)	
17:00-17:30 KEYNOTE	<b>Emissive and charge-generating donor-acceptor interfaces for organic optoelectronics with low voltage losses</b> K. Vandewal <i>Institute for Materials Research (IMO-IMOMECE), Hasselt University, Wetenschapspark 1, 3590, Diepenbeek, Belgium</i>	
17:30-18:00 INVITED	<b>Electro-thermal simulation and optimisation of organic solar cells and modules</b> M. Diethelm <sup>1</sup> , C. Kirsch <sup>2</sup> , R. Hiestand <sup>1</sup> , S. Weidmann <sup>1</sup> , S. Jenatsch <sup>1</sup> , E. Comi <sup>2</sup> , E. Knapp <sup>2</sup> , S. Altazin <sup>1</sup> , L. Penninck <sup>1</sup> , B. Ruhstaller <sup>1,2</sup> <sup>1</sup> Fluxim AG, Winterthur, Switzerland, <sup>2</sup> Institute of Computational Physics, Zurich University of Applied Sciences, Winterthur, Switzerland	
18:00-18:15	<b>A study of the morphological and structural properties of the non-fullerene PBDB-T:ITIC system and the fabrication of fully printed flexible organic solar cells</b> Z. Kyroutidis <sup>1</sup> , A. Zachariadis <sup>1</sup> , C. Kapnopoulos <sup>1</sup> , E. Mekeridis <sup>2</sup> , C. Gravalidis <sup>1</sup> , A. Laskarakis <sup>1</sup> , S. Logothetidis <sup>1</sup> <sup>1</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Greece, <sup>2</sup> Organic Electronic Technologies, Antoni Tritsi 21b, Thessaloniki, Greece	
18:15-18:30	<b>Simulation of thermally stimulated current response of a solar cell using a drift diffusion model approach</b> C. Vael-Garn <sup>1,2</sup> , S. Züfle <sup>1</sup> , S. Jenatsch <sup>1</sup> <sup>1</sup> Fluxim AG, Winterthur, Switzerland, <sup>2</sup> Materials Science and Engineering, École polytechnique fédérale de Lausanne (EPFL), Lausanne, Switzerland	
18:30-19:00 INVITED	<b>Printable new generation solar cells and energy storage systems: opportunities and open issues</b> F. Brunetti <i>Center for Hybrid and Organic Solar Energy (CHOSE), Department of Electronic Engineering, University of Rome Tor Vergata, Rome, Italy</i>	
19:00-19:15	<b>Upscaling of Printed Electronics – From Lab to Pilot and from Pilot to Fab</b> J. Koc, E. Kempe, D. Kourkoulos, T. Exlager, H. Rooms, T. Kolbusch <i>Coatema Coating Machinery GmbH, Dormagen, Germany</i>	
19:15-19:30	<b>Minimizing energy losses in short pulse laser patterning processes from single cell to R2R printed semi-transparent flexible OPV modules</b> C. Kapnopoulos <sup>1</sup> , A. Zachariadis <sup>1</sup> , E. Mekeridis <sup>2</sup> , Z. Kyroutidis <sup>1</sup> , K. Tsimenidis <sup>1</sup> , D. Grigoriadis <sup>1</sup> , A. Laskarakis <sup>1</sup> , S. Kassavetis <sup>1</sup> , C. Gravalidis <sup>1</sup> , S. Logothetidis <sup>1</sup> <sup>1</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Greece, <sup>2</sup> Organic Electronic Technologies, Antoni Tritsi 21b, Thessaloniki, Greece	
19:30-19:45	<b>R2R processing – future applications beyond hardware coating and printing process and machinery concepts for printed electronics</b> A. Glawe <i>KROENERT GmbH &amp; Co KG, Schuetzenstrasse 105, 22761 Hamburg, Germany</i>	
19:45-20:00	<b>Parallel charge generation and energy transfer in non-fullerene acceptor based binary and ternary devices</b> R. K. Misra <sup>1</sup> , K.D.G.I. Jayawardena <sup>1</sup> , M. Tariq Sajjad <sup>2</sup> , I. D. W. Samuel <sup>2</sup> & S. Ravi P. Silva <sup>2</sup>	

	<sup>1</sup> Advanced Technology Institute, Department of Electrical and Electronic Engineering, University of Surrey, UK <sup>2</sup> Organic Semiconductor Centre, University of St Andrews, UK
20:00-20:15	<b>Self-Assembled MePc:perylene diimide supramolecular system in solution for photovoltaic applications</b> T. Potlog <sup>1</sup> , V. Furtuna <sup>1</sup> , I. Bulimestru <sup>2</sup> , N. Popa <sup>2</sup> <sup>1</sup> Physics Dept & Engineering, Moldova State University, R. of Moldova, <sup>2</sup> Faculty of Chemistry & Chemical Technology, Moldova State University, R. of Moldova
20:15-20:30	<b>Investigation of the effect of ultraviolet radiation on the stability of fully printed organic solar cells and optimization of electron transport layer</b> E. Doudis <sup>1</sup> , G. Atsas <sup>1</sup> , V. Foris <sup>1</sup> , C. Kapnopoulos <sup>1</sup> , E. Mekeridis <sup>2</sup> , A. Laskarakis <sup>2</sup> , S. Logothetidis <sup>1</sup> <sup>1</sup> Nanotechnology Lab LTFN, Aristotle University of Thessaloniki, Greece <sup>2</sup> Organic Electronic Technologies P.C.(OET), Greece



## Tuesday 7 July 2020



11:00-13:00 UTC/GMT+3	<b>Workshop on OLAE Materials 3</b> Chair: E. Lidorikis, University of Ioannina, Greece	Supported by:   
11:00-11:30 KEYNOTE	<b>Using molecular doping to enhance the performance of organic opto-electronics</b> T. D. Anthopoulos King Abdullah University of Science and Technology (KAUST), KAUST Solar Centre, Thuwal 23955-6900, Saudi Arabia	
11:30-12:00 INVITED	<b>Impact of Molecular Vibrations on Electronic, Optical Absorption and Transport Properties of Organic Materials</b> F. Ortman Department of Chemistry, Technische Universität München, Germany, Center for Advancing Electronics Dresden, Technische Universität Dresden, Germany	
12:00-12:15	<b>Process Upscaling – Nanoimprint from small to large areas</b> T. Exlager, D. Kourkoulos, H. Rooms, T. Kolbusch Coatema Coating Machinery GmbH, Dormagen, Germany	
12:15-12:30 PROJECT	<b>FoF SmartLine - Smart In-line metrology and control for boosting the yield and quality of high-volume manufacturing of Organic electronics</b> <b>RealNano - In-line and Real-time Nano-characterization technologies for the high yield manufacturing of Flexible Organic Electronics</b> A. Laskarakis Nanotechnology Lab LTFN and Center of Organic and Printed Electronics Hellas (COPE-H), Aristotle University of Thessaloniki, Thessaloniki, Greece	
12:30-12:45 PROJECT	<b>Switch2Save - Lightweight switchable smart solutions for energy saving large windows and glass façades</b> J. Fahlteich Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP, Dresden Germany	
12:45-13:00 PROJECT	<b>CORNET - Multiscale modelling and characterization to optimize the manufacturing processes of Organic Electronics materials and devices</b> M. Kanta Hellenic Organic & Printed Electronics Association (HOPE-A), Thessaloniki, Greece	

13:00-14:00	<b>Lunch Break</b> <b>ISFOE20 Posters Display &amp; Presentations (Poster Area 1) – Exhibition - Networking</b>
-------------	--


14:00-16:00 UTC/GMT+3	<b>Workshop on OPVs &amp; Perovskite PVs 2 (Real-Time Metrology &amp; Quality Control)</b> Chair: M. Gioti, Nanotechnology Lab LTFN, AUTH, Greece	Supported by:  
14:00-14:30 INVITED	<b>Industrial Manufacturing of fully printed Organic Photovoltaics (OPVs) by intelligent and automated decision process</b> E. Mekeridis <sup>1</sup> , C. Varlamis <sup>1</sup> , A. Galatsopoulos <sup>1</sup> , V. Kyriazopoulos <sup>1</sup> , L. Patsiouras <sup>1</sup> , S. Fachouri <sup>1</sup> , C. Kapnopoulos <sup>2</sup> , A. Zachariadis <sup>2</sup> , A. Laskarakis <sup>2</sup> , S. Logothetidis <sup>2</sup> <sup>1</sup> Organic Electronic Technologies P.C. Thessaloniki Greece <sup>2</sup> Aristotle University of Thessaloniki – LTFN, Thessaloniki Greece	
14:30-15:00 INVITED	<b>Feasibility of in-line characterization of compositional, electronic and structural properties of thin film solar cells</b> M. Tallián, P. Basa, Z. Kiss, C. Defranoux, A. Sütő, F. Korsós Semilab Co. Ltd., 2 Prielle K. str., 1117 Budapest, Hungary	
15:00-15:30 INVITED	<b>Degradation and Stability of Organic Solar Cells</b> Zhe Li School of Engineering and Materials Science, Queen Mary University of London, UK	
15:30-15:45	<b>Automated manufacturing and characterization of state-of-the-art OPV-cells with the materials acceleration platform AMANDA</b> Jens Hauch <sup>1,2</sup> , Jerrit Wagner <sup>1,2</sup> , Christian Berger <sup>1,2</sup> , Xiaoyan Du <sup>1,2</sup> , Christoph Brabec <sup>1,2</sup> <sup>1</sup> Helmholtz Institute for Renewable Energies Erlangen-Nuremberg, Erlangen, Germany <sup>2</sup> i-MEET, Friedrich-Alexander-University Erlangen-Nuremberg, Erlangen, Germany	
15:45-16:00	<b>Degradation study of fully printed Organic Photovoltaics</b> C. Varlamis <sup>1</sup> , E. Mekeridis <sup>1</sup> , A. Zachariadis <sup>2</sup> , S. Logothetidis <sup>2</sup> <sup>1</sup> Organic Electronic Technologies, Antoni Tritsi 21b, Thessaloniki, Greece, <sup>2</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Greece	

16:00-16:30	<b>Coffee Break</b> <b>ISFOE20 Posters Display &amp; Presentations (Poster Area 1) – Exhibition - Networking</b>
-------------	---

16:30-18:45 UTC/GMT+3	<b>Workshop on OPVs &amp; Perovskite PVs 3 (Perovskite PVs)</b> Chair: A. Laskarakis, Nanotechnology Lab LTFN, AUTH, Greece	Supported by:  
16:30-17:00 KEYNOTE	<b>Hybrid Perovskite Crystallization: From In-Situ Diagnostics to Robotic Experimentation</b> A. Amassian Materials Science and Engineering, and Organic and Carbon Electronic Laboratories (ORaCEL), North Carolina State University, Raleigh, NC, USA	
17:00-17:30 INVITED	<b>Ferroelectricity in methylammonium lead iodide perovskite solar cells</b> H. Röhm <sup>1,2</sup> , T. Leonhard <sup>1,2</sup> , A. D. Schulz <sup>1,2</sup> , S. Wagner <sup>2,3</sup> , M. J. Hoffmann <sup>2,3</sup> , A. Colmann <sup>1,2</sup> <sup>1</sup> Light Technology Institute, Karlsruhe Institute of Technology, Karlsruhe, Germany, <sup>2</sup> Material Research Center for Energy Systems, Karlsruhe Institute of Technology, Karlsruhe, Germany, <sup>3</sup> Institute for Applied Materials – Ceramic Materials and Technologies, Karlsruhe Institute of Technology, Karlsruhe, Germany	
17:30-18:00 INVITED	<b>Triple-mesoscopic carbon perovskite solar cells: Architecture, up scaling and economical perspectives</b> S. Meroni, T. Watson SPECIFIC, Swansea University, SA1 8EN, UK	
18:00-18:15	<b>The Involvement of Chlorine in Enhancing Crystallinity and Performance of Solar Cells with Perovskite Structure</b> A. Galatsopoulos <sup>1</sup> , A. Zachariadis <sup>2</sup> , E. Mekeridis <sup>1</sup> , C. Kapnopoulos <sup>2</sup> , S. Logothetidis <sup>2</sup> <sup>1</sup> Organic Electronic Technologies, Antoni Tritsi 21b, Thessaloniki, Greece, <sup>2</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Greece	
18:15-18:30	<b>Printed Electrodes for Planar Perovskite Photovoltaics</b> D. Beynon, V. Stoichkov, C. Woodgate, T. Watson SPECIFIC, College of Engineering, Swansea University, UK	
18:30-18:45	<b>Lead-tin mixed perovskites with high carrier mobilities</b> K. D. G. I. Jayawardena <sup>1</sup> , R. M. I. Bandara <sup>1</sup> , S. O. Adeyamo <sup>2</sup> , S. Jenatsch <sup>3</sup> , H. J. Joyce <sup>2</sup> , S. R. P. Silva <sup>1</sup> <sup>1</sup> Advanced Technology Institute, Department of Electrical and Electronic Engineering, University of Surrey, UK; <sup>2</sup> Division of Electrical Engineering, Department of Engineering, University of Cambridge, UK; <sup>3</sup> Fluxim AG, Winterthur, Switzerland	

<b>19:00</b> UTC/GMT+3	<b>PLENARY SESSION</b>	
<b>19:00-19:30</b>	Introduction by Prof. S. Logothetidis, ISFOE20 & NN20 Chairman	
<b>19:30-20:15</b>		<b>Controlling hybrid inorganic/organic electronic materials interfaces</b> N. Koch <sup>1,2,3</sup> <sup>1</sup> Institut für Physik & IRIS Adlershof, Humboldt-Universität zu Berlin, Germany, <sup>2</sup> Helmholtz-Zentrum Berlin für Materialien und Energie, Germany <sup>3</sup> Institute of Functional Nano & Soft Materials, Soochow University, China
<b>20:15-21:00</b>		<b>Matter-to-Life: How to Build a Cell</b> J.P. Spatz Max Planck Institute for Medical Research, Heidelberg, Germany

## Wednesday 8 July 2020

<b>11:00-13:00</b> UTC/GMT+3	<b>Workshop on OLEDs, OTFTs &amp; Wearables 1</b> Chair: M. Gioti, AUTH, Greece		<b>11:00-13:00</b> UTC/GMT+3	<b>I3D Conference Session 1</b> Chair: S. Kassavetis, AUTH, Greece
<b>11:00-11:30</b> KEYNOTE	<b>Solution processed photodetectors for sensing and imaging applications</b> G.H. Gelinck <sup>1,2</sup> <sup>1</sup> Holst Centre, TNO, Eindhoven, The Netherlands <sup>2</sup> University of Technology Eindhoven, Eindhoven, The Netherlands		<b>11:00-11:30</b> INVITED	<b>An alginate fibre scaffold as a spinal cord organoid</b> E. Delivopoulos University of Reading, RG66AY, UK
<b>11:30-12:00</b> INVITED	<b>New opportunities for contact-engineered organic transistors</b> Chang-Hyun Kim Dept. of Electronic Engineering, Gachon University, Republic of Korea		<b>11:30-12:00</b> INVITED	<b>Laser Induced Forward Transfer as a tool for precise bioprinting</b> I. Zergioti National Technical University of Athens, Greece
<b>12:00-12:30</b> INVITED	<b>Optical assessment of metal mesh for replacement of ITO film in touch sensors for automotive display</b> F. Scaffidi Muta <sup>1,2</sup> , L. Belforte <sup>1</sup> , S. Avataneo <sup>1</sup> , M. Brun <sup>3</sup> , Nello Li Pira <sup>1</sup> <sup>1</sup> Group Materials Labs, C.R.F. S.C.p.A, Orbassano, TO, Italy <sup>2</sup> Physics Department, University of Torino, Torino, Italy <sup>3</sup> EMEA Prod. Dev.EE - Audio & Telematics, FCA ITALY S.p.A, Italy		<b>12:00-12:15</b>	<b>3D Bioplotter Over 15 Years of Bioprinting</b> C. Carvalho EnvisionTEC GMBH, Germany
<b>12:30-12:45</b>	<b>Highly flexible printed luminescent device for textile based automotive interior applications</b> R. Falcão <sup>1</sup> , C. Pires <sup>1</sup> , E. Diniz <sup>1</sup> , K. Rodrigues <sup>2</sup> , D. Campanhã <sup>2</sup> , R. Mesquita <sup>2</sup> , I. Sá <sup>2</sup> , H. Costa <sup>2</sup> , J. Gonçalves <sup>2</sup> <sup>1</sup> Continental - Indústria Têxtil do Ave, S.A Lousado, Portugal <sup>2</sup> Centro de Nanotecnologia e Materiais Técnicos, Funcionais e Inteligentes (CeNTI), Portugal		<b>12:15-12:30</b>	<b>Radiopaque 3D printing for medical application</b> A. Shannon University of Limerick, Ireland
<b>12:45-13:00</b>	<b>Development of smart RFID Printed Tags for humidity and temperature sensing, with embedded wireless energy charging, and communication capabilities</b> J. Pimenta <sup>1</sup> , S. Reis <sup>1</sup> , J. Perdigoto <sup>1</sup> , R. Mesquita <sup>1</sup> , J. M. Silva <sup>1</sup> , J. Silva <sup>1</sup> , A. Pinto <sup>1</sup> , H. Costa <sup>1</sup> , M. Ribeiro <sup>1</sup> , A. Martins <sup>2</sup> , G. Silva <sup>2</sup> , P. Castanheira <sup>2</sup> , P. Soeiro <sup>2</sup> , J. Sousa <sup>2</sup> <sup>1</sup> CeNTI, Centre for Nanotechnology and Smart Materials, Portugal <sup>2</sup> Viatel, S.A. Viseu, Portugal		<b>12:30-13:00</b> INVITED	<b>Utilisation of Microfluidics in 3D Bioprinting</b> A. Sendemir Ege University, Turkey

<b>13:00-14:00</b>	<b>Lunch Break</b> <b>ISFOE20 Posters-Exhibition-Networking</b>	
--------------------	--	--

<b>14:00-16:00</b> UTC/GMT+3	<b>Workshop on OLEDs, OTFTs &amp; Wearables 2</b> Chair: E. Mekeridis, OET, Greece		<b>14:00-16:00</b> UTC/GMT+3	<b>I3D Conference Session 2</b> Chair: S. Kassavetis, AUTH, Greece
<b>14:00-14:30</b> INVITED	<b>Nano Technology for Power Integration with Fatigue-Free Flexible Displays</b> A. Christou Department of Materials Science, University of Maryland, MD, USA		<b>14:00-14:30</b> INVITED	<b>Fabrication and characterization of Fused Deposition Modeling 3D printed mm-scaled metasurface units for microwave applications</b> A. Tazolamprou Foundation for Research & Technology-Hellas (FORTH), Greece
<b>14:30-15:00</b> INVITED	<b>Printed Batteries – New Applications and Funding</b> M. Krebs R&D department, VARTA Microbattery, Varta-Platz 1, D-73494 Ellwangen, Germany		<b>14:30-14:45</b>	<b>Novel fabrication of 3D printed non disposal face masks</b> A. Orfanos BL Nanobiomed P.C., Greece
<b>15:00-15:15</b>	<b>Towards Large Scale Manufacturing of Solution processed Polymer OLEDs</b> V. Kyriazopoulos <sup>1,2</sup> , D. Tselekidou <sup>2</sup> , L. Panagiotidis <sup>2</sup> , K. Papadopoulos <sup>2</sup> , E. Mekeridis <sup>1</sup> , M. Gioti <sup>2</sup> , A. Laskarakis <sup>2</sup> , S. Logothetidis <sup>2</sup> <sup>1</sup> Organic Electronic Technologies, Antoni Tritsi 21b, Thess., Greece <sup>2</sup> Nanotechnology Lab LTFN, AUTH, Greece		<b>14:45-15:00</b>	<b>Phosphorescent Bio-Based Resin for Digital Light Processing (DLP) 3D-Printing</b> M. Maturi University of Bologna, Italy
<b>15:15-15:30</b>	<b>Ultrasonic spray coating of polyethylenimine(ethoxylated) as electron injection and transport layer for organic light emitting diodes</b> I. Verboven <sup>1,2</sup> , R. Shanivarasanthe Nithyananda <sup>1,2</sup> , W. Deferme <sup>1,2</sup> <sup>1</sup> Institute for Materials Research, Hasselt University, Belgium <sup>2</sup> IMEC vzw – Division IMOMECE, Diepenbeek, Belgium		<b>15:00-15:15</b>	<b>An embedded vision-based solution for closing the loop in Additive Manufacturing</b> C. Theocharatos Computer Vision Systems, IRIDA Labs S.A., Greece
<b>15:30-15:45</b> PROJECT	<b>FlexFunction2Sustain – An Open Innovation Ecosystem for Sustainable Nano-Functionalized Plastic and Paper Surfaces and Membranes</b> J. Fahlteich Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP, Dresden Germany		<b>15:15-15:30</b>	<b>ABS/ expanded perlite microspheres filament for 3D printing of lightweight and thermal insulating components through Fused Filament Fabrication method</b> P. M. Angelopoulos National Technical University of Athens, Greece
			<b>15:30-15:45</b>	<b>Effect of gamma irradiation on the mechanical and physicochemical properties of Stereolithography (SLA) 3D printed Formlabs Grey resin</b> JAC Sy Industrial Technology Development Institute, Philippines

15:45-16:00	<b>Ultra-precise deposition technology for high-resolution printing of highly transparent electrodes in OLEDs</b> P. Kowalczewski, A. Wiatrowska, K. Fiączyk, M. Łysień, F. Granek <i>XTPL SA, Stabłowicka 147, 54-066 Wrocław, Poland</i>	15:45-16:00	<b>A novel resin vat design to accelerate the resin flow in quasi-continuous vat photopolymerization</b> Huachao Mao <i>Purdue University, USA</i>
-------------	--	-------------	--

16:00-16:30	<b>Coffee Break</b> <b>ISFOE20 Poster Session – Exhibition - Networking</b>		
-------------	--	--	--

16:30-19:00 UTC/GMT+3	<b>Workshop on OLEDs, OTFTs &amp; Wearables 3</b> Chair: A. Laskarakis, AUTH, Greece	16:30-19:00 UTC/GMT+3	<b>I3D Conference Session 3</b> Chair: C. Gravalidis, AUTH, Greece
16:30-17:00 INVITED	<b>Flexible Hybrid Electronics: from Materials to Sensor Systems</b> L. Petti, G. Cantarella, N. Münzenrieder, P. Lugli <i>Faculty of Science and Technology, Free University of Bolzano-Bozen, Bolzano, Italy</i>	16:30-17:00 INVITED	<b>Strengthening of stainless steel by reinforcement addition and grain refinement during additive manufacturing</b> B. AlMangour <i>Saudi Arabia Basic Industries Corporation, Saudi Arabia</i>
17:00-17:15	<b>Flexible solution processed sky-blue OLEDs based on polyfluorene derivative</b> K. Papadopoulos <sup>1</sup> , D. Tselekidou <sup>1</sup> , V. Kyriazopoulos <sup>2</sup> , S. Kassavetis <sup>1</sup> , S. Logothetidis <sup>1</sup> , M. Gioti <sup>1</sup> <sup>1</sup> <i>Nanotechnology Lab LTFN, Aristotle Univ. Thessaloniki, Greece</i> <sup>2</sup> <i>Organic Electronic Technologies, Thessaloniki, Greece</i>	17:00-17:30 INVITED	<b>Anisoprinting technology: continuous fiber 3D printing for manufacturing of optical composites</b> F. Antonov <i>Anisoprint, Russia</i>
17:15-17:30	<b>Optical, Photophysical and Electroemission Properties of Single Layer White OLEDs</b> D. Tselekidou <sup>1</sup> , K. Papadopoulos <sup>1</sup> , A. K. Andreopoulou <sup>2</sup> , K. Andrikopoulos <sup>2</sup> , J. K. Kallitsis <sup>2</sup> , C. Gravalidis <sup>1</sup> , S. Logothetidis <sup>1</sup> , M. Gioti <sup>1</sup> <sup>1</sup> <i>Nanotechnology Lab LTFN, Aristotle Univ. Thessaloniki, Greece</i> <sup>2</sup> <i>Department of Chemistry University of Patras, Greece</i>		
17:30-17:45	<b>Vapor-printed p-type organic semiconductors for flexible thin film transistor applications</b> Sunghwan Lee, Michael Clevenger <i>School of Engineering Technology, Purdue University, West Lafayette, Indiana 47907, USA</i>	17:30-17:45	<b>Development of a machine for the manufacture of micro-optical lens and layered geometric forms of chalcogenide</b> E.S. Vasilyeva <i>Peter the Great St. Petersburg Polytechnic University, Russian Federation</i>
17:45-18:00	<b>Ultrasonic spray coating of a gold nanoparticle-containing hole injection layer for optimized luminous efficacy in OLEDs</b> Rachith S N <sup>1,2</sup> , Maarten Eerdeken <sup>3</sup> , Naveen Reddy <sup>1,2</sup> , Thierry VERBIEST <sup>3</sup> , Wim Deferme <sup>1,2</sup> <sup>1</sup> <i>Hasselt University, Institute for Materials Research (IMO), Diepenbeek, Belgium</i> <sup>2</sup> <i>IMEC vzw, division IMOMECE, Belgium</i> <sup>3</sup> <i>Molecular Imaging and Photonics, Leuven, Belgium</i>	17:45-18:00 PROJECT	<b>Emerging Laws for 3D Product Design</b> Ilise L Feitshans <i>JD and ScM and DIR</i>
18:00-18:15	<b>Investigation of the energy transfer mechanisms in three-phase blend-layer white OLEDs</b> V. Foris <sup>1</sup> , M. Gioti <sup>1</sup> , D. Tselekidou <sup>1</sup> , C. Gravalidis <sup>1</sup> , P. Patsalas <sup>2</sup> , S. Logothetidis <sup>1</sup> <sup>1</sup> <i>Nanotechnology Lab LTFN, Aristotle Univ. Thessaloniki, Greece</i> <sup>2</sup> <i>Department of Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece</i>	18:00-18:15	<b>XJET NanoParticles Jetting Ceramic and metal additive manufacturing technologies &amp; solutions</b> Dror Danai <i>Xjet Ltd., ISRAEL</i>
18:15-18:30	<b>Roll-to-Roll Gravure Printing and Relative Printing Speed Control for Printed Electronics and Wearable Applications</b> X.C. Shan, V. Sunappan, B. Salam, L. S. Tan, B. K. Lok <i>Singapore Institute of Manufacturing Technology, Singapore</i>	18:15-18:30	<b>SCIL – An Emerging, Advanced Nanoimprinting Technology</b> S. Stan <sup>1</sup> , M. Verschuuren <sup>2</sup> <sup>1</sup> <i>VDL Enabling Technologies Group, GH Eindhoven, The Netherlands</i> <sup>2</sup> <i>SCIL Nanoimprint Solutions, AR Eindhoven, The Netherlands</i>

## Thursday 9 July 2020

11:30-13:00 UTC/GMT+3	<b>Workshop on Biosensors &amp; Bioelectronics 1 (ISFOE20-NN20)</b> Chair: C. Gravalidis, AUTH, Greece		
11:00-11:30 KEYNOTE	<b>Electronics on the Brain</b> G. Malliaras <i>Cambridge University, UK</i>	11:30-13:00 UTC/GMT+3	<b>Workshop on Graphene &amp; Related Materials 1 (ISFOE20-NN20)</b> Chair: A. Laskarakis, AUTH, Greece
11:30-12:00 INVITED	<b>Plasmonic nanostructured surfaces for bio-interfaces and sensing of living cells</b> F. De Angelis <i>Italian Institute of Technology, Italy</i>	11:30-12:00 INVITED	<b>Pressure, temperature and radiation effects on back-gate transistors based on layered 2D materials</b> A. Di Bartolomeo <i>University of Salerno, Italy</i>
12:00-12:30 INVITED	<b>Electrolyte-gated transistors for neuromorphic electronics</b> P. Gkoupidenis <i>Max Planck Institute for Polymer Research, Germany</i>	12:00-12:30 INVITED	<b>Covalent functionalization of exfoliated MoS2 with organic motifs for the selective recognition of ions and molecules</b> A. Stergiou <i>National Hellenic Research Foundation, Greece</i>
12:30-13:00 INVITED	<b>Photoactive materials for bioelectronics from photosynthetic microorganisms</b> G.M. Farinola <sup>1</sup> , M. Trotta <sup>2</sup> , F. Biscarini <sup>3,4</sup> , R. Ragni <sup>1</sup> , F. Milano <sup>2</sup> , M. Di Lauro <sup>3,4</sup> <sup>1</sup> Dipartimento di Chimica, Università degli Studi di Bari, Italy <sup>2</sup> CNR IPCF Bari, Italy <sup>3</sup> Dipartimento di Scienze della Vita, Università di Modena, Italy <sup>4</sup> Center for Translational Neurophysiology of Speech and Communication, IIT Ferrara, Italy	12:30-12:45	<b>Laser-pulse-driven control of Landau-Zener transitions in graphene</b> O. Kochanowska <i>University of Warsaw, Poland</i>
		12:45-13:00	<b>Vortex-like current density structures in graphene subjected to a bicircular laser field</b> J. Derlikiewicz <i>University of Warsaw, Poland</i>

13:00-14:00	<b>Lunch Break</b> <b>ISFOE20 Posters-Exhibition-Networking</b>		
-------------	--	--	--

14:00-16:00 UTC/GMT+3	<b>Workshop on Biosensors &amp; Bioelectronics 2 (ISFOE20-NN20)</b> Chair: C. Gravalidis, AUTH, Greece	14:00-16:00 UTC/GMT+3	<b>Workshop on Graphene &amp; Related Materials 2 (ISFOE20-NN20)</b> Chair: A. Laskarakis, AUTH, Greece
14:00-14:30 INVITED	<b>Engineering long-lasting and spatially selective active neural interfaces for bioelectronic medicine</b> V. Giagka <i>Delft University of Technology, Netherlands</i>	14:00-14:30 INVITED	<b>Investigating the Interface between MoS2 and Insulating Oxides</b> P. K Hurley <i>Tyndall National Institute, Ireland</i>
14:30-15:00 INVITED	<b>Selective Single-Molecule Detection of clinically relevant biomarkers with an Organic Transistor</b> E. Macchia, <sup>1</sup> R. A. Picca, <sup>2</sup> K. Manoli, <sup>2</sup> N. Cioffi, <sup>2</sup> Cinzia Di Franco, <sup>3</sup> G. Scamarcio, <sup>4</sup> G. Palazzo, <sup>2,4</sup> F. Torricelli, <sup>5</sup> R. Österbacka, <sup>1</sup> & L. Torsi <sup>1,2,4</sup> <sup>1</sup> Faculty of Science and Engineering, Åbo Akademi Univ., Finland <sup>2</sup> D. Chimica, Università degli Studi di Bari "Aldo Moro", Bari, Italy <sup>3</sup> CNR, Istituto di Fotonica e Nanotecnologie, Sede di Bari, Italy <sup>4</sup> Università degli Studi di Bari "Aldo Moro", Bari Italy <sup>5</sup> CSGI, Centre for Colloid and Surface Science, Bari, Italy <sup>6</sup> Dept. Information Engineering, University of Brescia, Italy	14:30-15:00 INVITED	<b>Carbon Nano-Tube and Transition Metal Dichalcogenide smart electronics</b> G. Deligeorgis <i>FORTH IESL, Greece</i>
15:00-15:30 INVITED	<b>Morphology and mobility as tools to control X-ray sensitivity in organic thin-films</b> B. Fraboni <i>University of Bologna, Italy</i>	15:00-15:30 INVITED	<b>Heterostructures of two-dimensional transition metal dichalcogenides: formation, ab initio modeling and possible applications</b> A. Krivosheeva <i>Belarusian State University of Informatics and Radioelectronics, Belarus</i>
15:30-15:45	<b>Nanocellulose Coated Paper as Substrates for a sustainable, quantitative and environmentally friendly bio sensing platform</b> D. Kourkoulos <i>Coatema Coating Machinery GmbH, Germany</i>	15:30-15:45	<b>A study on the electronic properties of Graphene Nanoribbons using the Offset Logarithm function</b> N. Jisrawi <i>Centre for Advanced Materials Research, UAE</i>
15:45-16:00	<b>Opportunities and Challenges in the Use of Conductive Polymeric Scaffolds for Stem Cell Culture</b> J. Morgado <i>Instituto de Telecomunicações, Portugal</i>	15:45-16:00	<b>Soft, flexible and transparent graphene-based active spinal cord implants for optogenetic studies</b> A. I. Velea <i>Delft University of Technology, The Netherlands</i>
16:00-16:15	<b>Microelectrodes coated with conducting polymers for bioelectronics: scaling properties and biosensing</b> D. A. Koutsouras <i>Max Planck Institute for Polymer Research, Mainz, Germany</i>		
16:15-16:30	<b>Partially-Oxidized Phosphorene-Based Sensors and Surface Oxidation Effects</b> J. M. Marmolejo-Tejada <i>Pontificia Universidad Javeriana, Colombia</i>		
16:30-16:45	<b>Computational analysis and design of microchambers for multianalyte aptamer-based biosensor applications</b> S.D. Psoma <i>The Open University, U.K.</i>		
16:45-17:00	<b>Synthesis and characterization of biofunctionalized AuNPs for future use in screen-printed electrochemical immunosensors</b> S. Grammatikos <i>Aristotle University of Thessaloniki, Greece</i>		
17:00-17:15	<b>Gold nanoparticle-based biosensor for rapid liquid biopsy applications</b> P. Kalligosfyri <i>University of Patras, Greece</i>		
17:15-17:30	<b>Plasmonic nanoaperture arrays for biosensing applications</b> M. C. Suster, P. Wróbel <i>Faculty of Physics, University of Warsaw, Warsaw, Poland</i>		
17:30-17:45	<b>Closing Remarks and Discussion</b> <b>End of ISFOE20</b>		

## POSTERS

POSTER SESSION	
Monday 6 July, Tuesday 7 July (13:00-14:00, 16:00-16:30): Poster Display & Presentations	
Wednesday 8 July, Thursday 9 July (13:00-14:00, 16:00-16:30): Poster Display	
Nanomaterials: Organic Semiconductors, Electrodes, Barriers, Hybrids and Devices: OPVs, OTFTs, OLEDs	
area I -Group A	<p><b>Hybrid Flexible Thermoelectric Generators by Printing Processes</b> J. Silva<sup>1</sup>, J. Pimenta<sup>1</sup>, S. Silva<sup>1</sup>, V. Machado<sup>1</sup>, A. California<sup>1</sup>, M. Ribeiro<sup>1</sup>, A. Pereira<sup>2</sup>, A. Pires<sup>2</sup>, M. Maia<sup>2</sup>, J. Silva<sup>2</sup>, F. Navarro-Medina<sup>3</sup>, V. Darau<sup>3</sup>, C. Ulloa<sup>3</sup>, V. Botelho<sup>3</sup>, Y. Hallack<sup>3</sup>, P. Roy<sup>4</sup>, M. Baptiste<sup>4</sup>, R. Jamier<sup>4</sup>, J. Auguste<sup>4</sup>, O. Frazão<sup>5</sup>, P. Robalinho<sup>5</sup></p> <p><sup>1</sup> CeNTI, Centre of Nanotechnology and Smart Materials, R. Fernando Mesquita, Vila Nova de Famalicão, Portugal <sup>2</sup> IFIMUP, Instituto de Física e Materiais da Universidade do Porto, Porto, Portugal, <sup>3</sup> University of Vigo, Vigo, Spain, <sup>4</sup> XLIM Research Institute, Limoges, France, <sup>5</sup> INESC-TEC, Porto, Portugal</p>
area I -Group B	<p><b>Effect of substrate nature on the structural, optical and electrical properties of In2S3 thin films</b> F. Aousgi<sup>1</sup>, A. Sbai<sup>1</sup>, B. Khalfallah<sup>2</sup>, R. Chtourou<sup>1</sup></p> <p><sup>1</sup> Laboratory of Nanomaterials and Renewable Energy Systems LaNSER, Research and Technology Center of Energy, Borj-Cedria Science and Technology Park, Hammam-Lif, Tunisia <sup>2</sup> Université Tunis El Manar, Ecole National d'Ingénieurs de Tunis, Laboratoire de Photovoltaïque et Matériaux Semi-conducteurs, Tunis, Tunisia</p>
area I -Group C	<p><b>Highly-efficient and stable organic photovoltaics using a zinc molybdate-mixed ZnO electron transport layer</b> A. Soultati<sup>1</sup>, G. Papadimitropoulos<sup>1</sup>, N. Dimogerontaki<sup>1,2</sup>, S. Kaminaris<sup>3</sup>, D. Davazoglou<sup>1</sup>, P. Argitis<sup>1</sup>, M. Vasilopoulou<sup>1</sup></p> <p><sup>1</sup> Institute of Nanoscience and Nanotechnology, National Center for Scientific Research Demokritos, Agia Paraskevi, Athens, Greece <sup>2</sup> Department of Physics, University of Patras, Patras, Greece <sup>3</sup> Department of Electrical and Electronics Engineering, University of West Attica, Aegaleo, Greece</p>
area I -Group D	<p><b>Prototype of Nano-fiber collector generated by vertical electrospinning</b> A. Rodriguez<sup>1</sup>, P. Silva<sup>1</sup>, M. Hurtado-Morales<sup>1</sup></p> <p>Electronic Engineering Department, Central University, Cra 5°-21-38 Bogotá-Colombia</p>
area I -Group E	<p><b>Solution processed single emitting layer white OLEDs based on novel copolymers</b> K. Papadopoulos<sup>1</sup>, D. Tselekidou<sup>1</sup>, M. Gioti<sup>1</sup>, V. Kyriazopoulos<sup>2</sup>, S. Kassavetis<sup>1</sup>, A. K. Andreopoulou<sup>3</sup>, K. Andrikopoulos<sup>3</sup>, J. K. Kallitsis<sup>3</sup>, A. Laskarakis<sup>1</sup>, S. Logothetidis<sup>1</sup></p> <p><sup>1</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece <sup>2</sup> Organic Electronic Technologies P.C. (OET), Antoni Tritsi <sup>2</sup>B, Thessaloniki, Greece, <sup>3</sup> Department of Chemistry University of Patras, University Campus, Rio-Patras, Greece</p>
area I -Group F	<p><b>Optical and structural characterization of Blue emissive polymers as active layer for OLEDs</b> D. Tselekidou<sup>1</sup>, K. Papadopoulos<sup>1</sup>, V. Kyriazopoulos<sup>2</sup>, A. K. Andreopoulou<sup>3</sup>, K. Andrikopoulos<sup>3</sup>, J. K. Kallitsis<sup>3</sup>, M. Gioti<sup>1</sup></p> <p><sup>1</sup> Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece <sup>2</sup> Organic Electronic Technologies P.C. (OET), Thessaloniki, Greece, <sup>3</sup> Department of Chemistry University of Patras, University Campus, Rio-Patras, Greece</p>
area I -Group G	<p><b>Fabrication and Electrical characterization of smOLED devices</b> A. Singh<sup>1</sup>, J. Geurts<sup>2</sup>, A. Malik<sup>3</sup>, X. Nikolaou<sup>4</sup>, M. Van Kooten<sup>5</sup></p> <p>Iatronix Technologies Pvt Ltd 1, OLED Technologies B.V, Netherlands</p>
area I -Group H	<p><b>Improvement of flexible OFET devices performance by employing spray coated small molecule:polymer insulating blends</b> S. Grammatikos, T. Kaimakamis, S. Panos, A. Laskarakis, S. Logothetidis</p> <p>Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
area I -Group I	<p><b>Electronic properties at the interface of prototype organic semiconductors and the silver surface</b> A. Stamateri, S. Logothetidis</p> <p>Nanotechnology Lab LTFN, Dept. Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
POSTER SESSION	
Tuesday 7 July (13:00-14:00, 16:00-16:30): Poster Display & Presentations	
Biosensors & Bioelectronics (common with NN20 W4)	
area I -Group L	<p><b>Culture-independent detection of carbapenemase-producing bacteria with plasmonic nanosensors</b> G. Santopolo</p> <p>Son Espases University Hospital; Palma de Mallorca, Spain</p>
area I -Group M	<p><b>Nanoparticle Reservoirs for Paper Immunosensors</b> Alejandra Alba-Patiño</p> <p>Son Espases University Hospital, Spain</p>
area I -Group N	<p><b>Synthesis, Characterization, and Sintering Behavior of Doped Nanocrystalline Ceria Powders</b> I.A. Kobaykhno</p> <p>Saint Petersburg Polytechnic University Russia</p>
area I -Group O	<p><b>Flexible sensing solutions for healthcare and biotechnological applications</b> R. Carvalho<sup>1</sup>, M. Campos<sup>1</sup>, A. Poças<sup>1</sup>, A. Joskowiak<sup>1</sup>, A. Leite<sup>1</sup>, J. Matos<sup>1</sup>, H. Costa<sup>1</sup>, J. Gomes<sup>1</sup>, M. Ribeiro<sup>1</sup>, P. Henriques<sup>1</sup>, E. Erkal<sup>2</sup>, O. Canberci<sup>3</sup>, J. Redol<sup>4,5</sup></p> <p><sup>1</sup> Centro de Nanotecnologia e Materiais Técnicos, Funcionais e Inteligentes (CeNTI), V. N. Famalicão, Portugal <sup>2</sup> Turgut İlaçları A.Ş. - Gebze OSB Mahallesi, Gebze/Kocaeli, Turkey, <sup>3</sup> Robotek Otomasyon Teknolojileri Ltd., Tosb Otomotiv Osb/Çayirova/Kocaeli, Turkey, <sup>4</sup> Neutroplast S.A., Zona Industrial, Sobral Monte Agraço, Portugal, <sup>5</sup> Beyondes S.A., Zona Industrial, Sobral Monte Agraço, Portugal</p>
POSTER SESSION	
Thursday 9 July 13:00-14:00, 16:00-16:30): Poster Display & Presentations	
Graphene and Related Materials	
area I -Group P	<p><b>Theoretical prediction of Sb2Se3 growth morphology and orientation on muscovite mica substrates</b> M. Bertašius</p> <p>Center for Physical Sciences and Technology (FTMC), Lithuania</p>
area I -Group Q	<p><b>Influence of intrinsic vacancies on the photocatalytic properties of hybrid ZnS/WS2 nanotubes: Prediction from first principles</b> I. Isakovica</p> <p>University of Latvia, Latvia</p>
area I -Group R	<p><b>CO2 electroreduction toward C2H4 at Cu decorated graphene nanofilm: Prediction from first principles</b> S. Piskunov</p> <p>University of Latvia, Latvia</p>
area I -Group S	<p><b>Investigation of graphene based resistive strain sensors for vital signal monitoring</b> V. Tsouti</p> <p>National Center for Scientific Research "Demokritos", Greece</p>
area I -Group T	<p><b>Conductive Smart-Inks development base on Graphene and MoS2 and their uses in Ink-Jet systems</b> J. Rubi, C. Ospina, M. Hurtado</p> <p>SEM2 Surface, Energy and Modern Materials LAB Electronic Engineering Department. Universidad Central</p>
area I -Group U	<p><b>Investigation of treatment parameters on electrical properties of graphene</b> E.S. Vasilyeva<sup>1</sup>, D.N. Tonkov<sup>1</sup>, M.V. Kobylatskaya<sup>1</sup>, V.E. Gasumyants<sup>1,2</sup></p> <p><sup>1</sup> Higher School of Engineering and Physics, Saint Petersburg Polytechnic University, Saint-Petersburg, Russia <sup>2</sup> Department of Physical Electronics, Herzen State Pedagogical University of Russia, Saint-Petersburg, Russia</p>

