

**PRELIMINARY AGENDA 11 October 2021**

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

08:00 – 19:00	Registration, Posters, Exhibitors
09:30–10:20	Welcome & Introduction by the Chairman, Prof. S. Logothetidis, Nanotechnology Lab LTFN & HOPE-A, Greece
	Opening Presentation by Representative of the Deputy Minister for Research & Technology Mr Michalis Dritsas
<b>Session 1</b>	<b>Innovations of FPEs in Green Energy, Decarbonization, Circular Economy</b> (Chairs: G. Hadziioanou, A. Laskarakis)
10:20 – 10:50 Keynote	A new Green and Digital Industry based on FPEs to boost Green Energy, Decarbonization and Sustainability Prof. S. Logothetidis, Nanotechnology Lab LTFN & HOPE-A, Greece
10:50 – 11:20 Keynote	Technologies & emerging materials of tomorrow's PE: towards the economic independence of countries and sovereignty Prof. G. Hadziioannou, University of Bordeaux, France
11:20 - 11:40	Sustainability of energy autonomous sensor systems Dr. Luigi G. Occhipinti, University of Cambridge, UK
11:40– 12:10	Networking Break, Posters, Exhibitors
12:10	Government Representative, Minister of Development and Investments Mr. Adonis Georgiadis
<b>Session 2</b>	<b>Digital and Intelligent Manufacturing of FPEs</b> (Chairs: J. Koc-Richter, S. Kassavetis)
12:30 – 13:00 Keynote	Revolutionizing FPEs manufacturing by In-line Metrology, Quality control for FPEs manufacturing and Open Innovation Prof. A. Laskarakis, LTFN/COPE-H, AUTH, Greece
13:00 – 13:30 Keynote	The pathway to a PFE industry – digital production – AI for process improvement and sustainability in the production process for coating printing & laminating for printed electronics Mr. Th. Kolbusch, Vice President, Coatema Coating Machinery GmbH, Germany
13:30 – 13:45	Organic Vapor Phase Deposition (OVPD®) Technology of OLED for Display and Lighting Applications Dr. P. Baumann, APEVA SE, Germany
13:45 – 15:15	Lunch, Networking, Posters, Exhibitors
<b>Session 3</b>	<b>Open Innovation in FPEs in EU (FF2S, MusiCode, NanomeCommons Projects)</b> (Chairs: E. Lidorikis, C. Gravalidis)
15:15 – 15:45 Keynote	FF2S: How Nano-functionalisation of Plastic and Paper Surfaces and Membranes reduces Plastic Waste in the World Dr. J. Fahlteich, Fraunhofer FEP, Germany
15:45 – 16:00	Printed Electronics Open Innovation Test Bed Services Dr. S. Kassavetis, LTFN/COPE-H, AUTH, Greece
16:00 – 16:20	Materials characterisation in the era of Digital Transformation: twin transition challenges and perspectives towards a decarbonized and Circular Economy Prof. C. Charitidis, Director of RNanoLab, National Technical University of Athens, Greece
16:20 – 16:40	Open innovation platform for modelling organic electronic material properties, process, and devices Prof. Eleftherios Lidorikis, University of Ioannina, Greece
<b>Session 4</b>	<b>OPV Manufacturing Technologies for 3<sup>rd</sup> Generation PV</b> (Chair: Th Kolbusch, M. Ntovas)
16:40 – 17:10 Keynote	Green Flexible Printed Power for a Sustainable World of Wearables Prof. S. R. P. Silva, University of Surrey, UK
17:10 – 17:40 Keynote	Strategies for Increasing the Efficiency of Organic Photovoltaics Prof. Thomas Anthopoulos, King Abdullah University of Science and Technology (KAUST), KAUST Solar Centre, Saudi Arabia
17:40 – 17:55	Large Scale Manufacturing of fully printed Organic Photovoltaics (OPVs) Mr. E. Mekeridis, Production & Quality Control Manager, OE-Technologies P.C., Greece
17:55 – 18:10	Tailored R2R equipment for green flexible electronics manufacturing Dr. Julian Koc-Richter, R&D Project Manager, Coatema Coating Machinery GmbH, Germany
18:10 – 19:20	Networking Break, Posters, Exhibitors
20:00	Official Dinner - End of Day 1

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08:00 – 19:00	Registration, Posters, Exhibitors
<b>Session 5</b>	<b>International Business &amp; Collaboration</b> (Chair: G. Hadzioannou, A. Xatziparadis)
09:30 – 09:50	<b>AFELIM France Association and Activities</b> Prof. G. Hadzioannou, University of Bordeaux, France
09:50 – 10:10	<b>EIC portfolio and hands-on approach to facilitate the sustainable electronics innovation journey</b> Dr. Fr. Matteucci, Program Manager in Green Technologies, European Innovation Council, Belgium
10:10 – 10:25	<b>HOPE-A: Building the new Green, Digital and Decarbonized Industry</b> Mr. E. Bakalis, HOPE-A, Greece
10:25 – 10:40	<b>OPV Business Internationally in the Globe (Buildings, Automotive, Greenhouses)</b> Mr. M. Papadopoulos, OE-Technologies P.C., Greece
10:40 – 11:10	Networking Break, Posters, Exhibitors
<b>Session 6</b>	<b>Sensors and Biosensors</b> (Chair: V. Karagkiozaki)
11:10 – 11:40	<b>Flexible Electronics for Bioelectronic Medicine</b> Keynote Prof. G. Malliaras, Department of Engineering, University of Cambridge, UK
11:40 – 11:55	<b>COVID-19: Challenges &amp; Solutions supported by Nanotechnology and 3D Printing</b> Mr. A. Orfanos, BL Nanobiomed, Greece
11:55 – 12:10	<b>Fabrication of medical biosensors in the field of flexible electronics</b> Mr. K. Tsimenidis, BL Nanomed, Greece
12:10 – 12:25	<b>Manufacturing Flexible &amp; Printed RFIDs and Sensors for IoP (NFC Pack Project)</b> Mr. Salim Fachouri, OE-Technologies P.C., Greece
12:25 – 12:40	<b>Manufacturing Flexible &amp; Printed RFIDs and Sensors for IoP</b> Mr. Anastasios Galatsopoulos, OE-Technologies P.C., Greece
<b>Session 7</b>	<b>Electric Vehicles, Transportation and E-Mobility</b> (Chair: F. Krebs, E. Mekeridis)
12:40 – 13:10	<b>Evolution of materials in future vehicles: a new paradigm for the automotive components</b> Keynote Dr. Nello Li Pira, Centro Ricerche Fiat, S.C.p.A, Italy
13:10 – 13:25	<b>Large Area OLEDs and OPVs: Lighting &amp; Energy in Automotive, Buildings and Greenhouses</b> Mr. V. Kyriazopoulos, OE-Technologies P.C., Greece
13:25 – 13:40	<b>Conductive layers: a new application model for complex shapes</b> Dr. Luca Ferri, R&D Team, Seristudio S.p.A., Italy
13:40 - 13:55	<b>Printable Polymer Semiconductors for large area PLEDs</b> Dr. K. Andreopoulou, University of Patras, Greece
13:55 – 15:30	Lunch, Networking, Posters, Exhibitors
<b>Session 8</b>	<b>3<sup>rd</sup> Generation PV in Agriculture: Energy and Food Production</b> (Chair: P. Mangelis, K. Ntinias)
15:30 – 15:45	<b>Sustainable agricultural structures using green and renewable energy to achieve neutral carbon footprint</b> Dr. Georgios K. Ntinias, Hellenic Agricultural Organization-Dimitra, Renewable Energy Sources in Greenhouses
15:45 – 16:00	<b>Energy Solutions &amp; Applications in Greenhouses (Agrores)</b> Mrs E. Athanasiadou, OE-Technologies P.C., Greece
16:00 – 16:15	<b>Semitransparent OPVs for Energy Efficient Mediterranean Greenhouses (PHOTOKIPIA)</b> Dr. P. Mangelis, OE-Technologies P.C., Greece
16:15 – 16:30	<b>Using LBIC for quality control and defect detection in slot-die coated solar modules</b> Prof. F. Krebs, InfinityPV, Denmark
<b>Session 9</b>	<b>From Green Energy to Green Hydrogen</b> (Chair: S. Logothetidis, M. Ntovas)
16:30 – 17:00	<b>Autonomous Combined Heat and Power System from regenerative sources "fuel cell/ H2O electrolyser/ H2 storage</b> Keynote Dr. St. Neophytides, Inst. of Chemical Engineering Scienses (ICE/HT), Found. of Research and Technology (FORTH), Greece
17:00 – 17:15	<b>Development of Sustainable Renewable - Hydrogen Ecosystem for Greece 2.0</b> Dr. M. Ntovas, OE-Technologies P.C., Greece
17:15 – 17:30	<b>Polymeric materials for energy related applications</b> Prof. Ch. Deimede, Department of Chemistry, University of Patras
17:30 – 17:45	<b>Technology Development and Manufacturing for Fuel Cells and Electrolyzers</b> Mr. Th. Kolbusch, Vice President, Coatema Coating Machinery GmbH, Germany
17:45 – 18:00	Networking Break, Posters, Exhibitors
<b>Session 10</b>	<b>Start-Ups Support &amp; Competition for the Year Award</b> (Chair: S. Logothetidis, A. Laskarakis)
18:00 – 18:15	<b>FF2S Open Call for Pilot Case Projects to Support with 2M€ Start-Ups and SMEs</b> Dr. S. Kassavetis, HOPE-A, Greece or
18:15 – 18:45	<b>Pitches from Start-Ups (5 min each)</b> OET, BL-NanoBioMed, Seristudio S.p.A.,
18:45 - 19:00	<b>Award &amp; Main Points by the Committees and the Chairman</b>
19:00 – 19:30	Closing Remarks - End of Day 2