

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 and Technology Mr. Michalis Dritsas
Session 1	Innovations of FPEs in Green Energy, Decarbonization, Circular Economy (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 PEs: 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
Session 2	Digital and Intelligent Manufacturing of FPEs (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
Session 3	Open Innovation in FPEs in EU (FF2S, MusiCode, NanomeCommons Projects) (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
Session 4	OPV Manufacturing Technologies for 3rd Generation PV (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
Session 5	International Business & Collaboration (Chair: G. Hadziioannou, A. Xatziparadis)
09:30 – 09:50	AFELIM France Association and Activities Prof. G. Hadziioannou, University of Bordeaux, France
09:50 – 10:10	EIC portfolio and hands-on approach to facilitate the sustainable electronics innovation journey Dr. Fr. Matteucci, Program Manager in Green Technologies, European Innovation Council, Belgium
10:10 – 10:25	HOPE-A: Building the new Green, Digital and Decarbonized Industry Mr. E. Bakalis, HOPE-A, Greece
10:25 – 10:40	OPV Business Internationally in the Globe (Buildings, Automotive, Greenhouses) Mr. M. Papadopoulos, OE-Technologies P.C., Greece
10:40 – 11:10	Networking Break, Posters, Exhibitors
Session 6	Sensors and Biosensors (Chair: V. Karagkiozaki)
11:10 – 11:40 Keynote	Flexible Electronics for Bioelectronic Medicine Prof. G. Malliaras, Department of Engineering, University of Cambridge, UK
11:40 – 11:55	COVID-19: Challenges & Solutions supported by Nanotechnology and 3D Printing Mr. A. Orfanos, BL Nanobiomed, Greece
11:55 – 12:10	Fabrication of medical biosensors in the field of flexible electronics Mr. K. Tsimenidis, BL Nanomed, Greece
12:10 – 12:25	Manufacturing Flexible & Printed RFIDs and Sensors for IoP (NFC Pack Project) Mr. Salim Fachouri, OE-Technologies P.C., Greece
12:25 – 12:40	Manufacturing Flexible & Printed RFIDs and Sensors for IoP Mr. Anastasios Galatsopoulos, OE-Technologies P.C., Greece
Session 7	Electric Vehicles, Transportation and E-Mobility (Chair: F. Krebs, E. Mekeridis)
12:40 – 13:10 Keynote	Evolution of materials in future vehicles: a new paradigm for the automotive components Dr. Nello Li Pira, Centro Ricerche Fiat, S.C.p.A, Italy
13:10 – 13:25	Large Area OLEDs and OPVs: Lighting & Energy in Automotive, Buildings and Greenhouses Mr. V. Kyriazopoulos, OE-Technologies P.C., Greece
13:25 – 13:40	Conductive layers: a new application model for complex shapes Dr. Luca Ferri, R&D Team, Seristudio S.p.A., Italy
13:40 - 13:55	Printable Polymer Semiconductors for large area PLEDs Dr. K. Andreopoulou, University of Patras, Greece
13:55 – 15:30	Lunch, Networking, Posters, Exhibitors
Session 8	3rd Generation PV in Agriculture: Energy and Food Production (Chair: P. Mangelis, K. Ntinias)
15:30 – 15:45	Sustainable agricultural structures using green and renewable energy to achieve neutral carbon footprint Dr. Georgios K. Ntinias, Hellenic Agricultural Organization-Dimitra, Renewable Energy Sources in Greenhouses
15:45 – 16:00	Energy Solutions & Applications in Greenhouses (Agrores) Mrs E. Athanasiadou, OE-Technologies P.C., Greece
16:00 – 16:15	Semitransparent OPVs for Energy Efficient Mediterranean Greenhouses (PHOTOKIPIA) Dr. P. Mangelis, OE-Technologies P.C., Greece
16:15 – 16:30	Using LBIC for quality control and defect detection in slot-die coated solar modules Prof. F. Krebs, InfinityPV, Denmark
Session 9	From Green Energy to Green Hydrogen (Chair: S. Logothetidis, M. Ntovas)
16:30 – 17:00 Keynote	Autonomous Combined Heat and Power System from regenerative sources "fuel cell/ H2O electrolyser/ H2 storage Dr. St. Neophytides, Inst. of Chemical Engineering Sciences (ICE/HT), Found. of Research and Technology (FORTH), Greece
17:00 – 17:15	Development of Sustainable Renewable - Hydrogen Ecosystem for Greece 2.0 Dr. M. Ntovas, OE-Technologies P.C., Greece
17:15 – 17:30	Polymeric materials for energy related applications Prof. Ch. Deimede, Department of Chemistry, University of Patras
17:30 – 17:45	Technology Development and Manufacturing for Fuel Cells and Electrolyzers Mr. Th. Kolbusch, Vice President, Coatema Coating Machinery GmbH, Germany
17:45 – 18:00	Networking Break, Posters, Exhibitors
Session 10	Start-Ups Support & Competition for the Year Award (Chair: S. Logothetidis, A. Laskarakis)
18:00 – 18:15	FF2S Open Call for Pilot Case Projects to Support with 2M€ Start-Ups and SMEs Dr. S. Kassavetis, HOPE-A, Greece or
18:15 – 18:45	Pitches from Start-Ups (5 min each) OET, BL-NanoBioMed, Seristudio S.p.A.,
18:45 - 19:00	Award & Main Points by the Committees and the Chairman
19:00 – 19:30	Closing Remarks - End of Day 2