

PRELIMINARY PROGRAM

Monday 4 November

08:00-	Registration & Networking	
09:00-10:00	Official Opening Ceremony ICEFPE 2024	
09:00-09:15	Welcome by the Chairman S. Logothetidis , <i>Chairman ICEFPE24</i>	
09:15-10:00	Official Openings and Government Policies · Prof. N. Papaioannou, Secretary General for Higher Education, Ministry of Education, Religious Affairs and Sports, Greece	
10:00-11:30	Building the FPEs Green Industry & Green Energy to a Climate - Neutral Economy	
Session 1	Chairs: A. Laskarakis	
10:00-10:30	Towards a Sustainable and Green Manufacturing Industry for Flexible Printed Electronics Keynote S. Logothetidis , <i>Nanotechnology Lab LTFN & HOPE-A, Greece</i>	
10:30-11:00	Organic photovoltaics with efficiencies exceeding 20% Keynote T. Anthopoulos , <i>University of Manchester, UK</i>	
11:00-11:30	Advancing OPVs towards certified IPV products for a Greener Future Invited I. Gkaragkos , <i>Organic Electronic Technologies (OET), Greece</i>	
11:30-12:00	Coffee, Networking, Posters, Exhibitors	
12:00-13:30	Digital and Intelligent Manufacturing of FPEs for Energy (organized by Flex2Energy)	
Session 2	Chair: E. Mekeridis	
12:00-12:30	Digitalization of every step in the production value chain - How to get from digital twins to Coating as a service Keynote Th. Kolbusch , <i>Coatema Coating Machinery GmbH, Germany</i>	
12:30-13:00	Enhancing Quality Control with Inline Processes for Flexible Printed Electronics Invited G. Bandli , <i>Semilab Semiconductor Physics Laboratory Co. Ltd., France</i>	
13:00-13:30	Achieving high precision processes and interoperability in R2R Manufacturing of FPEs Invited D. Gklavakis , <i>Depia Automations, Greece</i>	
13:25-15:00	Lunch, Networking, Posters, Exhibitors	
15:00-16:45	Session 3: OPV Manufacturing, Processes and Integration (organized by Flex2Energy)	
Session 3	Chairs: S. Kassavetis	
15:00-15:20	Towards mass production of Integrated Organic Photovoltaics (IPVs) Invited E. Mekeridis , <i>OE-Technologies P.C., Greece</i>	
15:20-15:40	Advancements in fs Laser Scribing for P1, P2 and P3 Patterns Using a System Prototype Built for Thin-Film Photovoltaics Invited V. Sabonis , <i>Workshop of Photonics, Lithuania</i>	
15:40-15:55	R2R Laser Patterning Enabling High-Performance Semi-Transparent OPVs C. Kapnopoulos , <i>Nanotechnology Lab LTFN, Greece</i>	
15:55-16:10	Spray Coated Transition Metal Dichalcogenides as Hole Transport Layers in inverted NFA-based OPVs with enhanced stability under solar and artificial light M. Tountas , <i>Hellenic Mediterranean University (HMU), Greece</i>	
16:10-16:30	Reduction of carbon footprint in OPV via green biosolvent selection D. Corzo , <i>Silicon Austria Labs GmbH, Austria</i>	
16:45-18:00	Materials, Testing & Multiscale Modelling for FPEs Manufacturing (organized by COPE-Nano)	
Session 4	Chairs: A. Laskarakis	
16:45-17:15	Open innovation platform for modelling organic electronic material properties, process, and devices Keynote E. Lidorikis , <i>University of Ioannina, Greece</i>	
17:15-17:45	Non-destructive Characterization of coatings in the nm-µm-mm scales by White Light Reflectance Spectroscopy (WLRS) Invited I. Raptis , <i>ThetaMetrisis S.A., Greece</i>	
17:45-18:00	Holistic Integrated Services for Printed Electronics SMEs Invited S. Kassavetis , <i>LTFN/COPE-Nano, Department of Physics, Aristotle University of Thessaloniki, Greece</i>	
18:00-20:00	ICEFPE & AGRIVOLTAICS Posters, Coffee, Networking Posters (Room Socrates B & C)	18:00-20:00 INTERNAL HORIZON EUROPE Project Meetings (Room Hippocrates)
21:00	Dinner for Invited Speakers ICEFPE & Flex2Energy	

Tuesday 5 November

08:00-	Registration & Networking	
09:00-11:30	Green Energy and Lighting (organized by HE COPE-Nano)	
Session 5	Chairs: G. Malliaras, Ch. Gravalidis	
09:00-09:30	High performance optoelectronic devices, based on Polyvinylidene Fluoride based copolymers, through ink formulation and printing process optimization	
Keynote	G. Hadziioannou, <i>University of Bordeaux, France</i>	
09:30-10:00	Sustainable Printable Memristive Solar Cells for Self-Powered IoT Edge Computing Enabled by Halide Perovskites	
Invited	E. Kymakis, <i>Hellenic Mediterranean University Research Center, Greece</i>	
10:00-10:30	Polymeric and Hybrid Materials for Organic Electronics	
Invited	K. Andreopoulou, <i>Dept. Chemistry, University of Patras, Greece</i>	
10:30-11:00	The ELORPrintTec Inn. Center for Flexible Printed Organic Electronics: From fundamental science to industrial prototypes	
Invited	S. Khiev, <i>ELORPrintTec, University of Bordeaux, France</i>	
11:00-11:30	COPE-Nano Center of Excellence for Innovation and Sustainability in FPEs and Bioelectronics	
Invited	A. Laskarakis, <i>LTFN/COPE-Nano, Department of Physics, Aristotle University of Thessaloniki, Greece</i>	
11:30- 12:00	Coffee, Networking Break, Posters, Exhibitors	
12:00-13:45	Sensors and Biosensors from Healthcare to Agrifood and Environment (organized by HE COPE-Nano)	
Session 6	Chairs: A. Laskarakis, K. Andreopoulou	
12:00-12:30	Novel materials and device architectures for wearables	
Keynote	G. Malliaras, <i>University of Cambridge, UK</i>	
12:30-13:00	Sensing Technologies in Agri-food Sector & Environmental monitoring: from Materials to Sensors, from Ideas to Information	
Invited	G. Kitic, <i>University of Novi Sad, Serbia</i>	
13:00-13:15	From Production to Early Diagnosis: The Role of Printed Biosensors in Diseases Monitoring	
	K. Tsimenidis, <i>BL Nanobiomed, Greece</i>	
13:15-13:30	KERMIT: Printed Lab-on-a-chip skin patch for detecting kidney disease from sweat	
	D. Corzo, <i>Silicon Austria Labs GmbH, Villach, Austria</i>	
13:30-13:45	Bacterial cellulose as a substrate for sustainable inkjet-printed electronic devices	
	F. Pescosolido, <i>CNR-Institute for Microelectronics and Microsystems (IMM) 00133 Rome, Italy</i>	
13:45-15:00	Lunch, Networking, Posters, Exhibitors	
15:00-16:30	Energy Efficient Buildings, Smart Cities and Maritime (organized by HE Flex2Energy)	
Session 7	Chair: S. Kassavetis, A. Chatziparadeisis	
15:00-15:20	Flexible Organic Photovoltaics for Solar Electric Energy Operation of Sailboats and other Boats	
Invited	L. Gourtzogiannis, <i>President, Istia Aigaiou, Greece</i>	
15:20-15:40	Title to be announced soon	
Invited	N. Chrysogelos, <i>Athens Deputy Mayor of Climate Governance and Social Economy</i>	
15:40-16:00	EU-Mission Project "Creating NEBOurhoods together" & upcoming Horizon Europe EU-calls 2025 on Building	
Invited	P. Panagiotou, <i>Bavarian Research Alliance, Germany</i>	
16:00-16:15	OPV Solutions in Buildings, Infrastructures and Maritime	
	S. Fachouri, V. Giannoglou, <i>Organic Electronic Technologies (OET), Greece</i>	
16:15-16:30	Innovative Glass for BIPV Applications	
	N. Stergiou, <i>Kiriakidis Glass, Greece</i>	
16:30-16:45	Expanding Horizons: OPV Integration Across Buildings, Agriculture, Vehicles and Beyond	
	S. Zygridou <i>Organic Electronic Technologies (OET), Greece</i>	
16:45-18:15	Green Energy Autonomous Islands and Sustainability	
Session 8	Chairs: S. Logothetidis, E. Mekeridis	
16:45-17:05	Greek Islands as Beacons of Sustainability: Pioneering the Green Future	
Invited	D. Kollias, <i>Advisor, Hellenic Ministry of Environment and Energy, Greece</i>	
17:05-17:25	The Clean energy for EU islands initiative	
Invited	K. Komninos, <i>DAFNI Network, Greece</i>	
17:25-17:45	Project NHSOS	
Invited	E. Bekiaris, <i>Hellenic Institute for Transport, Greece</i>	
17:45-18:00	Title to be announced soon	
	C. Yannouli, <i>OCEANKING, Greece</i>	
18:00-18:15	Developing global OPV business, through a holistic application development & application platform	
	E. Margaritis, <i>OE-Technologies P.C., Greece</i>	
18:15-20:00	ICEFPE & AGRIVOLTAICS Posters, Coffee, Networking (Room Hippocrates)	18:00-18:30 HORIZON EUROPE Project Meetings (Room Thales)
		INTERNAL
	19:30 – 21:00	NANOFUTURE EVENT (Room Socrates B & C)
21:00	Cocktail & Drinks	

