

8th Workshop: "Boosting the Organic & Printed Electronics Industry in Greece" and Inauguration of the Center for Organic & Printed Electronics - Hellas (COPE-H) 30 May 2016, Thessaloniki, Greece

The **8th Workshop: "Boosting the Organic & Printed Electronics Industry in Greece"** took place at Thessaloniki, Greece at 30 May 2016 with the participation of several representatives from Academia, Industry and representatives from regional and national government.

INAUGURATION OF THE CENTER FOR ORGANIC AND PRINTED ELECTRONICS – HELLAS (COPE-H)

The Workshop started with tours of the participants and the Inauguration of the newly founded **Center for Organic and Printed Electronics – Hellas (COPE-H)**, which is an initiative of LTFN Lab of Aristotle University of Thessaloniki, Greece (www.ltfn.gr). COPE-H is a unique and state-of-art facility located close to the Thessaloniki Macedonia Airport, and it focuses on the Research & Manufacturing of OE devices for applications in Energy, Lighting, Electronics, NanoBioMed, Smart Textiles & Food Packaging, Greenhouses, etc.

The COPE-H has an area of 2000 m² (clean rooms: 600 m²) and its facilities include the: a) R2R Pilot & Production Line for Fabrication Large Area OEs, b) Organic Vapour Phase Deposition (OVPD) Pilot Line, c) S2S Pilot Line for OE Devices, d) CVD Pilot Line for Graphene on 6" Substrates, e) Slot Die, Ink-Jet Printer Systems for OE Devices and f) In-line Pulsed Laser & Metrology Technologies.

WORKSHOP HIGHLIGHTS

The Workshop started after the Inauguration and it included several presentations and discussions targeting to the formation of the Strategy and Policy to boost the Organic & Printed Electronics Industry in Greece and beyond, with the participation of scientists, engineers, industrial partners, final users, entrepreneurs, VCs and representatives from national authorities.

The Workshop focused on the following Topics:

- Center of Organic & Printed Electronics in Greece (COPE-H)
- Outlook for the Greek, European and International OEs sector
- Opportunities from NSRF, RIS3, SME Instrument, Fast Track
- Funding Opportunities and Strategy for OEs Enterprises
- Commercialization & Industrialization opportunities
- Manufacturing and Processes of OEs
- OPVs for Energy in Automotive, Buildings, Greenhouses
- OLEDs for Lighting, Displays and Signage
- Applications in Smart Packaging, Smart Textiles, Wearables, IoT
- OEs Start-ups and SME Companies in Greece
- Clusters and Associations in OEs (HOPE-A, COPT, AFELIM, OES, JAPEC)

COOPERATION AGREEMENT BETWEEN HOPE-A & JAPEC

A Cooperation Agreement has been signed between the Hellenic Organic & Printed Electronics Association (HOPE-A) and the JAPEC (Japan Advanced Printed Electronics Consortium). This Cooperation Agreement will open the way for effective collaboration, new cooperation opportunities, and mutual promotion of innovation activities between the HOPE-A and JAPEC members.

PRESS CONFERENCE

A Press Conference to regional and national media took place with the participation of Prof. S. Logothetidis (LTFN, COPE-H, HOPE-A), Dr. M. Krebs (Varta Microbattery) and Dr. N. Rikita (Mitsubishi, JAPEC).

Prof. S. Logothetidis presented the benefits for Organic Electronics, the activities of COPE-H and HOPE-A. Also, he described the potentiality and the markets sizes for Organic and Printed Electronics and described the new products and markets that are expected to revolutionize our everyday life. Dr. N. Rikita presented the JAPEC members and activities and explained the benefits for the Cooperation Agreement between HOPE-A and JAPEC. Finally, Dr. M. Krebs presented the activities of Varta Microbattery GmbH and the latest advances on the field of printed batteries. Also, he described the activities of the EU funded H2020 Project BASMATI, which has realized the M18 Consortium Meeting at Thessaloniki, Greece.

Related Links:

Nanotechnology Lab LTFN: www.ltfn.gr

Organic Electronic Technologies (OET): <http://www.oe-technologies.com>

Hellenic Organic & Printed Electronics Association: <http://www.hope-a.com>

Highlights from the Inauguration of COPE-H and the Workshop



Inauguration of the Center for Organic & Printed Electronics Hellas (COPE-H)



Group photo of the participants to the Workshop



Agreement for the organization of the next EU PV Clusters Workshop in Thessaloniki, Greece



Tour of the representatives from regional and national government, Academia and Industry to the Center for Organic & Printed Electronics – Hellas (COPE-H)



Tour of the representatives from regional and national government, Academia and Industry to the Center for Organic & Printed Electronics – Hellas (COPE-H)



During the presentations at the Hyatt Hotel for the 8th Workshop



Press Conference to the national media for the Cooperation Agreement between HOPE-A with JAPEC



After the for the signature of the Cooperation Agreement between HOPE-A with JAPEC

8th Workshop



Organized by:



“Boosting the Organic & Printed Electronics Industry in Greece”

Topics

- ▶ Center of Organic & Printed Electronics (COPE-H)
- ▶ Outlook for the Greek and International OEs Sector
- ▶ Opportunities from NSRF, RIS3, SME Instrument, Fast Track
- ▶ Funding Opportunities and Strategy for OEs Enterprises
- ▶ Commercialization & Industrialization Opportunities
- ▶ Manufacturing and Processes of Organic & Printed Electronics
- ▶ OPVs for Energy in Automotive, Buildings, Greenhouses, WT
- ▶ OLEDs for Lighting, Displays and Signage
- ▶ Applications in Smart Packaging, Smart Textiles, Wearables, IoT
- ▶ OEs Start-Ups & SME Companies in Greece
- ▶ Clusters and Associations in OEs Worldwide (HOPE-A, COPT, AFELIM, OES, JAPEC)



Organic Electronics for Energy, Lighting, Displays, Electronics, Bioelectronics, Healthcare, Smart Textiles, Wearables, IoT, Smart Packaging, Signage, Greenhouses, Buildings, etc

Inauguration of the Center of Organic & Printed Electronics -new LTFN facilities-

Venue

Hyatt Regency Hotel

Thessaloniki, Macedonia Airport area

30 May 2016

09:00 a.m.

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8th Workshop

"Boosting the Organic & Printed Electronics Industry in Greece"

Monday 30 May 2016, HYATT REGENCY Hotel Thessaloniki, Greece

Preliminary Program	
VENUE: COPE-H	
08:30	Registration Open Innovation Hub: Center on Organic & Printed Electronics-Hellas (COPE-H)
09:00	Visit & Tour (in Groups) in COPE-H Facilities Coffee and Networking
10:00	Inauguration of the Center of Organic and Printed Electronics – Hellas (COPE-H) Welcome from Prof. S. Logothetidis and National Authorities
10:30	Visit & Tour (in Groups) in COPE-H Facilities Coffee Break (and Transfer to HYATT)
VENUE: HYATT REGENCY Hotel Thessaloniki	
10:30	Registration
11:00	Welcome and Introduction by Prof. S. Logothetidis Session 1: Greek OE Innovations, Funding and Entrepreneurial Opportunities (Chair: Prof. S. Logothetidis)
11:10	"Unique Technologies and Manufacturing of Organic Electronics in COPE-H" Dr. A. Laskarakis, AUTH, Greece
11:25	"Up-scaling Organic Materials for Energy and Lighting in W. Greece" Prof. J. Kallitsis, Director of AP/HN-RL, University of Patras, Greece
11:40	"H2020 SME INSTRUMENT & Fast Track: Good Practices" Dr. G. Tzamtzis, PRAXI, Greece
11:55	"RIS3 for Regional Development in relation to OEs: The Status and Perspectives in C. Macedonia" Mr. G. Kostaras, Region of C. Macedonia, Greece
Session 2: OE Clusters & Associations Globally (Chair: Dr. A. Laskarakis)	
12:10	"French Printed Electronics Association: AFELIM" Dr B. Fillon, VP European Affairs CEA, France
12:25	"Hellenic Organic & Printed Electronics Association: HOPE-A" Prof. S. Logothetidis, HOPE-A, Greece
12:35	"Japanese Organic & Printed Electronics Organization: JAPEC" Dr. N. Rikita, General Manager Mitsubishi, and JAPEC
12:50	Announcement of Cooperation Agreement between HOPE-A (Greece) & JAPEC (Japan)
Lunch Break and Networking	
Session 3: OE Companies: From Materials to Turn Key Solutions and Applications (Chair: Prof. I. Kallitsis)	
14:30	"Digital Textile Printing The Emerging Technology" Dr. N. Nikolaidis, KYKE Hellas, Greece
14:40	"Electronics - Hybrid Electronics and Wearables" Mr. L. Skerletopoulos, Prisma Electronics, Greece
14:50	"From Mechatronics to high accuracy Inkjet Printing for OEs" Mr. V. Thomaidis, CEO, COMPUCON, Greece
15:00	"Process Technology, In-line Metrology & Laser Patterning for Turn Key Solutions of OPVs and OLEDs" Ms S. Tsimikli, OE-Technologies, Greece
15:15	"Up-scaling Synthesis of Conjugated Polymers for OPVs Production" Dr. C. Chochos, Advent Technologies, Greece
15:30	"Nanomedicine Applications & Organic Biosensors" Dr. V. Karagkiozaki, CEO, BL Nanobiomed, Greece
Coffee Break and Networking	
Session 4: Printable Inks and large area Manufacturing for Batteries & Energy Applications (Chair: Dr. M. Krebs)	
16:30	"From Smart Nanomaterials to Pilot & Production Lines for OPVs and OLEDs Manufacturing" Prof. S. Logothetidis, AUTH Smartonics Coordinator
16:45	"Novel Printable Thin Film Batteries" Dr. M. Krebs, Varta, Germany
17:00	"Upgrading Printable Inks for Organic Electronics Industry" Dr. T. Van Rompaey, Umicore, Belgium
17:15	"Large Area OPVs for Energy Production in Automotive, Buildings and Greenhouses" Mr V. Matskos, CEO, OE-Technologies, Greece
17:30	Round Table Discussion: Boosting the OE Industry for Sustainable Growth: Next Steps (Chairs: S. Logothetidis) (National Authorities, Industrial Partners, VCs, Investors) (N. Sargianos, V. Matskos, V. Thomaidis, N. Rikita, B. Fillon,)
18:30	End of Workshop