

POSTER/DEMO SESSION I

AREA 1. NANOTECHNOLOGY/MATERIALS/MICROELECTRONICS

P1.1 Gas sensing applications on intelligent food packaging, control of air quality and detection of explosive energy-related gases (A3)

Gagaoudakis Emmanouil, Skliri Evangelia, Sfakianou Angeliki, Tsihchis Christos and Binas Vasilios
Presenting author: Gagaoudakis Emmanouil, Corresponding author: Gagaoudakis Emmanouil, Binas Vasilios

P1.2 Understanding surface kinetics of InGaN epitaxy: Applications towards advanced photovoltaics (A4)

Lymperakis L. and Iliopoulos E.
Presenting author: E. Gagaoudakis, Corresponding author: E. Iliopoulos

P1.3 Metamaterials and metasurfaces for advanced electromagnetic wave control (A5)

A. Tasolamprou, M. Kafesaki, O. Tsilipakos, A. Pitolakis, G. Perrakis, I. Katsantonis, A. Theodosi E.N. Economou
Presenting author: Anna Tasolamprou, Corresponding author: Maria Kafesaki

P1.4 Nanomaterials for smart electronics and sensing (A6)

I. Polioudakis, A. Papadopoulou, D. Kosmidis, S. Spinthaki, and G. Deligeorgis
Presenting author: I. Polioudakis, Corresponding author: G. Deligeorgis

P1.5 Conformational changes of PGL-3 upon crowding and phase separation (A7)

Ioannis Sampson, Patrick McCall, Andrei Pozniakovsky, Anthony A. Hyman and Emmanouela Filippidi
Presenting author: Matthieu Lavigne, Corresponding author: Emmanouela Filippidi

P1.6 Perfect ring-shaped Bose-Einstein Condensates (A8)

Vishal K. Pathak, Vishnupriya P. Veetill, Pedro R. Antunez and Wolf von Klitzing
Presenting author: Vishal K. Pathak (**YOUNG INVESTIGATOR**), Corresponding author: Wolf von Klitzing

P1.7 Designing Polymer Electrolytes for Next Generation Solid State Batteries (A9)

Georgia Nikolakakou, Athanasios Machas, Benoit Loppinet, Georgios Petekidis, and Emmanouil Glynos
Presenting author: Emmanouil Glynos, Corresponding author: Emmanouil Glynos

P1.8 Tuning Surface Properties by Utilizing Polymer Nanocomposite Coatings (A10)

F. Gojda, E. Petsi, M. Vlasidi, A. Thomos, F. Krasanakis, M. Stylianakis, K. Chrissopoulou, and S. H. Anastasiadis
Presenting author: K. Chrissopoulou, Corresponding author: K. Chrissopoulou, S. H. Anastasiadis

P1.9 Tweaking Nanoscale Functionalities by Correlated Disorder (A11)

George Antonaropoulos, Marianna Vasilakaki, Kalliopi N. Trohidou, Vincenzo Iannotti, Emil S. Bozin and Alexandros Lappas
Presenting author: Alexandros Lappas, Corresponding author: Alexandros Lappas

P1.10 Antifungal Graphene-based Aerogels as Innovative Absorbers for Preventive Conservation of Cultural Heritage (D1)

George Gorgolis, George Paterakis, Christos Tsakonas, Maria Giovanna Pastore-Carbone and Costas Galiotis
Presenting author: George Gorgolis, Corresponding author: Costas Galiotis

P1.11 Synthesis and in situ characterization of graphene grown on liquid metal catalysts (D2)

Anastasios C. Manikas, Christos Tsakonas, Ilias Sfougkaris and Costas Galiotis
Presenting author: Anastasios Manikas, Corresponding author: Costas Galiotis

P1.12 New spectroscopic methods for non-invasive pH sensing of aerosols (D3)

G. Theodoropoulos, A. Psarelis, A. Soto Beobide, G. Mathioudakis, Z. Lada, C. Molina, K. Andrikopoulos, A. Nenes, G. Voyiatzis
Presenting author: G. Theodoropoulos (**YOUNG INVESTIGATOR**), Corresponding author: G. Voyiatzis

P1.13 Interfacial Interaction of Palladium with MoS₂ and MoS₂-rGO hybrids (D5)

Labrini Sygellou
Presenting author: Labrini Sygellou, Corresponding author: Labrini Sygellou

P1.14 Laser-assisted graphene electrodes for smart textiles: From energy harvesting to miniaturized energy storage (D6)

Natalia Kantouni, Athinais Mavrikaki, Markos Anagnostakos, Kapil Bhorkar, Nikolaos Samartzis, Michail Athanasiou, Spyros N. Yannopoulos
Presenting author: Natalia Kantouni (**YOUNG INVESTIGATOR**), Corresponding author: Spyros Yannopoulos

P1.15 *In-silico Studies of Complex Molecular Systems via Computational Modeling and Data-driven Atomistic Simulations: 'Linear-to-Colloidal' Transition in Star Polymers (E1)*

Eirini Gkolfi, Petra Baková and Vagelis Harmandaris

Presenting author: Eirini Gkolfi (**YOUNG INVESTIGATOR**), Corresponding author: eirini.gkolfi@iacm.forth.gr and vagelis@iacm.forth.gr

P1.16 *Integrated Autonomous Hydrogen Energy Systems – Resilience advantages & humanitarian crises response (H2)*

Emmanuel Stamatakis, Yentekakis Ioannis

Presenting author: Emmanuel Stamatakis, Corresponding author: Emmanuel Stamatakis

P1.17 *Effect of the Reactor Configuration and Operational Parameters on Formation, Growth and Dissociation of Carbon Dioxide Hydrate – A Combined Experimental and Computational Study (H3)*

Stamatakis Emmanuel, Labropoulos Anastasios, Tallarou Chrysoula, Stavropoulos Stavros, Bellas Spyridon, Pasadakis Nikolaos, Yentekakis Ioannis

Presenting author: Labropoulos Anastasios, Corresponding author: Stamatakis Emmanuel

P1.18 *Hydrocarbon Generation Potential of the Diatomites, Western Crete, Greece (H4)*

Bellas Spyridon, Telemenis Dimosthenis, Manoutsoglou Emmanouil, Yentekakis Ioannis

Presenting author: Telemenis Dimosthenis (**YOUNG INVESTIGATOR**), Corresponding author: Spyridon Bellas

D1 *Ionic liquid dehumidifying System - DEMO (D8)*

Dionysios Vroulias, Theophilos Ioannides, Vassilios Dracopoulos

Presenting author: Dionysios Vroulias (**YOUNG INVESTIGATOR**), Corresponding author: Vassilios Dracopoulos

D2 *Wavelens: a novel wavefront shaping digital microscopy lens (KYMATONICS) - DEMO (A2)*

Mikis Mylonakis, Evangelos Marakis, George J. Tserevelakis, Athanasios Zacharopoulos, Maira Tampakaki, Angela Paspaparakis, Joseph Papamatheakis, Nektarios Tavernarakis, Dimitrios G. Papazoglou and Giannis Zacharakis

Presenting author: Mikis Mylonakis (**YOUNG INVESTIGATOR**), Corresponding author: Giannis Zacharakis

D3 *Photonic Sensors in Ophthalmological Sutures (PHAETHON) - DEMO (A1)*

V. Sarakatsianos, E. Grantzioti, I. Chapalo, T. Manouras, M. Vamvakaki, A. Charonis, M. Konstantaki and Stavros Pissadakis

Presenting author: M. Konstantaki, Corresponding author: S. Pissadakis

AREA 2. HUMANITIES/GEOINFORMATICS

P1.19 *Shallow Offshore Archaeological Prospection in Ancient Olous, Crete (F1)*

Angelos Plageras, Dimitrios Oikonomou, Nikos Papadopoulos, and Nasos Argyriou

Presenting author: Angelos Plageras (**YOUNG INVESTIGATOR**), Corresponding author: Angelos Plageras

P1.20 *Religious Patronage as an Instrument of 'Soft' Political Power during War: Russian Donations to Orthodox Communities in the Ottoman Empire (F2)*

Yuliana Boycheva

Presenting author: Yuliana Boycheva, Corresponding author: Yuliana Boycheva

P1.21 *SLAVEGENTS: Enslaved persons in the making of societies and cultures in Western Eurasia and North Africa, 1000 BCE - 300 CE (F3)*

Clara Maria Ramos-Taboada, Kostas Vlassopoulos

Presenting author: Clara Maria Ramos-Taboada (**YOUNG INVESTIGATOR**), Corresponding author: Clara Maria Ramos-Taboada

P1.22 *Electrical Resistivity Tomography (ERT) measurements in inclined boreholes (F4)*

Eleni Tzima, Panagiotis Tsourlos, Prodromos Louvaris, Georgia Zacharopoulou

Presenting author: Eleni Tzima (**YOUNG INVESTIGATOR**), Corresponding author: Panagiotis Tsourlos

P1.23 *The Role of Biogenic Silica and Microscopic Phytoliths in Advancing Archaeoenvironmental Research (F5)*

Nafsika-Chrysoula Andriopoulou, Georgios E. Christidis

Presenting author: Nafsika-Chrysoula Andriopoulou (**YOUNG INVESTIGATOR**), Corresponding author: Nafsika-Chrysoula Andriopoulou

Note: Numbers in parenthesis correspond to the numbering at the Retreat website per FORTH Institute:

A: IESL; B: IMBB; C:ICS; D:ICE-HT; E:IACM; F: IMS; H:IG