



**Friday November 3<sup>rd</sup>, 2023**

**Venue: NCSR “Demokritos” Congress Center**

**Oral Sessions: Main Auditorium**

**Poster Session I** will be held at the “Small Amphitheater” adjacent to the Main Auditorium

The **Exhibition** will be located at the Foyer of the Main Auditorium

**Coffee and Lunch Breaks** will be served at the Atrium next to the Foyer

09:00-09:30	Registration
09:30-09:35	<b>Welcome and Opening Remarks</b> Conference Chair: Prof. M. Chatzichristidi Conference Co-chair: Dr E. Makarona
9:35-9:45	<i>Greece: A fast-growing ICT &amp; digital hub</i> <u>Elias Eliades</u>
<b>Session 1</b>	<b>Bioelectronics and Biosensors</b> <b>Chair:</b> Prof. M. Chatzichristidi
9:45-10:30	<b>Plenary Presentation</b> <b><i>Technology for Bioelectronic Medicine</i></b> <b>Prof. G. Malliaras</b>
10:30-10:45	<i>SERS Nanosensorics for Bacterial Genomics Differentiation</i> <u>V. Shvalya</u> , M. Modic, J. Zavašnik, D. Rozman, I. Abdulhalim, U. Cvelbar
10:45-11:00	<i>Microfabricated metal-sputtered electrochemical (bio)sensors</i> Ch. Kokkinos, <u>A. Economou</u> , P. Petrou, S. Kakabakos, I. Raptis and A. Speliotis
11:00-11:15	<i>Radiative nanostructured plasmonic toxin biosensor</i> <u>N.A. Vainos</u> , K. Papachristopoulou, E. Kalliatsi, E. Bagiokis, C. Stathopoulos, and D. Papaioannou
11:15-11:30	<i>Oxidative stress markers determination on silicon nanowires decorated with silver nanoparticles through Surface Enhanced Raman Spectroscopy</i> <u>A. Kanioura</u> , G. Geka, I. Kochylas, V. Likodimos, S. Gardelis, A. Dimitriou, N. Papanikolaou, S. Kakabakos, P. Petrou
11:30-12:00	Coffee Break (Atrium)

<b>Session 2</b>	<b>Flexible and Printed Electronics</b> <b>Chair:</b> A. Economou
12:00-12:20	<b>Invited Talk</b> <b><i>Flexible and Printed Electronics – Sensors and Systems</i></b> <b>Prof. G. Kaltsas</b>
12:20-12:35	<i>Toward selective detection of H<sub>2</sub>S gas by AuNPfunctionalized carbyne-enriched based sensors</i> <u>L. A. Panes-Ruiz</u> , L.Riemenschneider , B. Ibarlucea and G. Cuniberti
12:35-12:50	<i>Hemin Functionalized Mesoporous SnO<sub>2</sub> Films on flexible plastic substrates for the Electrochemical Sensing of Organohalide Pollutants</i> <u>E. Topoglidis</u> , E.-A. Economou and A. Hallas
12:50-13:05	<i>Laser fabricated conductive and transparent grids as bottom electrode for flexible ITO-free organic photovoltaics</i> <u>K. Andritsos</u> , S. M. Pozov, I. Theodorakos, E. Georgiou, A. Ioakeimidis, A. Kabla, S. Melamed, F. de la Vega, S. A. Choulis and I. Zergioti
13:05-13:20	<i>Physically Unclonable Functions for unique identification of screen – printed structures, utilizing the Sparse Representation Technique</i> <u>D. Barmpakos</u> , A. Apostolakis, E. Zois and G. Kaltsas
13:20-14:50	<b>Lunch Break (Atrium)</b>

<b>Session 3</b>	<b>Entrepreneurship and Industry</b> <b>Chair:</b> Dr E. Makarona
14:50-15:10	<b>Invited Talk</b> <b><i>Fostering an innovation ecosystem with the objective of moving research to the business landscape</i></b> <b>Mr Antonis Argyros</b>
15:10-15:25	<i>The journey from research to entrepreneurship. From failure to success</i> <u>G. Sidiropoulos</u>
15:25-15:40	<i>Breaking Barriers, Building Bridges: Women Pioneering Diversity in Nanotechnology Leadership</i> <u>Aimilia Smyrli</u>
15:40-15:55	<i>OITBpathway - Networking as a service option to market access</i> <u>H.-P. Dauben</u>
15:55-16:10	<i>HPhos: Support and finance R&amp;I activities of SMEs and start-ups through PhotonHub Europe</i> <u>E. Hontzopoulos</u> and A. Selimis
16:10-16:25	<i>ALPHA-RLH &amp; HPHOS: European clusters facilitating collaborative research and innovations</i> <u>I. Tovenca-Pecault</u> , R. Zehani, A. Selimis and E. Hontzopoulos

16:25-16:40	<i>Open Innovation Test Beds as new open innovation models to accelerate the industrial uptake of nanotechnologies: the NewSkin OITB case</i> R. Zehani and I. Tovená-Pecault
16:40-18:00	<b>Poster Session I (Small Amphitheater)</b>
16:40-18:00	<b>Coffee Break (Atrium)</b>

<b>Session 4</b>	<b>Nanomaterials and Nanostructures I</b> <b>Chair: N. Konofaos</b>
18:00-18:15	<i>Polyurea-crosslinked biopolymer aerogels – a new class of nanostructured materials with diverse applications</i> P. Paraskevopoulou
18:15-18:30	<i>Ag/Au-TiO<sub>2</sub>-MoS<sub>2</sub> Composite Inverse Opals for Visible Light Harvesting</i> S. Loukopoulos, E. Sakelis, S. Gardelis, V. Likodimos
18:30-18:45	<i>From nano-materials to self-sensing injection grouts for monitoring the structural integrity of built heritage</i> I. Karatasios, D. Koumpouri, E. Tziviloglou, N. Alexopoulos, M. Karakassides, G. Asimakopoulos, D. Gournis and V. Kilikoglou
18:45-19:00	<i>Laser Monitored sub-THz Rayleigh and Bulk Surface Skimming Acoustic Waves on Semiconductor Superlattices</i> C. Li, A. Lemaitre, N. Chigarev, M. Morassi, S. Raetz, D. Lanzillotti-Kimura, and V. E. Gusev
19:00-19:15	<i>Self-assembly of polymeric nanoparticles and their complexation with Platinum studied via NMR spectroscopy</i> I.G. Stavrakaki, A. Cheilari, N. Georgiou, M. Cevéc, Th. Mavromoustakos and H. Iatrou

<b>20:30</b>	<b>Conference Dinner</b> “Kostis Palamas” Hall (47 Akadimias Str)
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