

Workshop of December 10th 2024

Advances on nanostructured semiconductor composite materials - Science and beyond science

Welcome

9:30-9:40 - **Emmanouil Koudoumas**-PNRR project coordinator

9:40-9:50 - **Octavian Buiu**-Scientific Director of IMT Bucharest

Section 1:

9:50-10:25 - *Collaboration between research and industry: two sides of the same coin?* **Siemon Smid**, PricewaterhouseCoopers, Director of Public Sector and EU Funds

10:25-11:00 - *The Human Edge: Mastering Life in AI Age*, **Michael Katharakis**, Director, Mediterranean Agrofood Competence Center (MACC)

11:00 – 11:25 coffee break

11:25-12:00 - *Thinking about technology in the face of existential threats*, **Aristotle Tympas**, Professor & Director of the Science, Technology, Society Graduate Program, National and Kapodistrian University of Athens.

12:00-12:35 - *Living Labs as a Tool for Social Innovation: The Case of KAEM LL in Messinia*, **Papadopoulou Elisavet**, American Farm School, Greece

12:35-13:30 lunch break

Section 2:

13:30-13:50 *Electron beam lithography application at IMT Bucharest – nanoelectronic devices on 2D materials*, **Adrian Dinescu**, IMT Bucharest

13:50-14:10 - *Novel Materials for electromagnetic shielding applications*, **Octavian Ionescu**, University of Ploesti and IMT Bucharest

14:10-14:30 - *Metal oxide semiconductor materials synthesized by electrospinning-calcination method*, **Petronela Pascariu**, "Petru Poni" Institute of Macromolecular Chemistry, Iasi and IMT Bucharest

14:30-14:50 - *Morphological and compositional analysis: Advanced Characterization of Metal Oxide-Based Materials for EMI Shielding Applications*, **Oana Brincoveanu**, IMT Bucharest



14:50-15:10 - ***Raman Microscopy and Spectroscopy of Composite Nanomaterials for EMI Shielding Performance***, Christina Pachiu, IMT Bucharest

15:10-15:30 - ***Structural characterization of Composite Nanomaterials for EMI Shielding Applications***, Mirela Sucea, IMT Bucharest

15:30-15:50 - ***Assessment of electromagnetic shielding capabilities of synthesized rare-earth doped zinc oxide compounds***, Titus Sandu, IMT Bucharest

15:50-16:00 – ***Conclusion***, Emmanouil Koudoumas, PNRR project coordinator

