



Program

Workshop 23 of May 2022

“The future of Quantum Technologies in Romania”

9:15-9:30 Deschidere

9:30-10:00 Dr. Radu Ionicioiu (IFIN-HH) **“Quantum technologies: an overview”**

10:00-10:30 Dr. Sorin Tascu (UAIC) **“Dezvoltarea de dispozitive optice neliniare integrate pentru comunicatii cuantice”**

10:30-11:00 Dr. Stefan Ataman (IFIN-HH) **“Quantum metrology: sensing beyond the standard quantum limit”**

11:00-11:15 pauza de cafea

11:15-11:45 Dr. Rares Suvaila (IFIN-HH) **“Gamma Correlated Photons”**

11:45-12:15 Dr. Marian Zamfirescu (INFLPR) **“Two-photon photopolymerization method for fabrication of micro-optics and photonic devices”**

12:15-12:45 Dr. Cristian Kusco (IMT) **“Fabrication of components generating beams with optical angular momentum”**

12:45-14:15 pauza de pranz

14:15-14:45 Conf. Mona Mihailescu (UPB) **“Quantum optics experiments based on entangled photons”**

14:45-15:15 Dr. Valeriu Moldovan (INCDFM) **“Modele efective pentru sisteme qubit-foton in regim de cuplaj puternic”**

15:15-15:45 Conf. Iulia Ghiu (UB) **“Two-way quantum teleportation using non-maximally entangled states”**