

## Programme

Thursday, 30 June, 2022

- 8:30-9:00 Registration
- 9:00-9:10 Opening Ceremony
- 9:10-10:00 Vanja Radolić, M. Poje Sovilj, D. Stanić, I. Miklavčić,  
**RADON MEASUREMENTS IN THE REPUBLIC OF CROATIA**
- 10:00-10:15 Dijana Dujak, M. Đekić, A. Salčinović Fetić, D. Ćubela,  
**TEMPORAL EVOLUTION OF ELECTRICAL RESISTANCE THROUGH THE METALLIC GRANULAR PACKINGS**
- 10:15-10:30 Nedžadeta Mutapčić, S. Čohodarević,  
**ESTABLISHING SYSTEM FOR Ag FIXED POINT CELL (AgFP, 961.78 °C) REALIZATION AT IMBIH**
- 10:30-10:45 Senad Isaković, M. Đekić, M. Tkalčević, D. Borščak, I. Periša, S. Bernstorff, M. Mičetić,  
**PROPERTIES OF Au+SiC AND Au+Si<sub>3</sub>N<sub>4</sub> THIN FILMS PREPARED BY MAGNETRON CODEPOSITION**
- 10:45-11:15 Coffee break
- 11:15-11:45 Denis Stanić, V. Kojić, T. Čižmar, L. Bagladi, K. Juraić, A. Gajović,  
**RESEARCH OF PEROVSKITE SOLAR CELLS**
- 11:45-12:00 Fehima Ugarak, G. Ulliac, J. A. Iglesias Martínez, J. Moughames, V. Laude, M. Kadić, A. Mosset,  
**CHARACTERIZATION OF ISOTROPIC 3D PRINTED MATERIALS WITH BRILLOUIN LIGHT SCATTERING TECHNIQUE**
- 12:00-12:15 Jelena Vukalović, J. B. Maljković, K. Tökesi, B. Predojević, B. P. Marinković,  
**JOINT THEORETICAL AND EXPERIMENTAL STUDY ON ELASTIC ELECTRON SCATTERING FROM A METHANE MOLECULE**
- 12:15-12:30 Isnar Tinjić, U. Spona,  
**RADON CONCENTRATION MEASUREMENTS IN AIR IN WORK ENVIRONMENT OF THE LIMESTONE MINE „VIJENAC“ AND THE SETTLEMENTS SURROUNDING THE MINE**
- 12:30-14:30 Lunch break
- 14:30-15:20 Dragan Huterer,  
**COSMOLOGICAL SURVEYS FOR DARK MATTER AND DARK ENERGY**

- 15:20-15:35 Emina Džaferović-Mašić, M. Popara Ustamujić,  
**PROTON LIFETIME ESTIMATION IN A SPECIFIC  $SU(5)$  MODEL**
- 15:35-15:50 Ajla Lejlić,  
**LEPTOQUARK PRODUCTION AT LHC**
- 15:50-16:05 Rifat Omerović, M. Hadžimehmedović, H. Osmanović, J. Stahov,  
**PARTIAL-WAVE ANALYSIS OF PION PHOTOPRODUCTION DATA**
- 16:05-16:20 Milica Dragaš, Aner Čerkić,  
**ELECTRON-MOLECULE SCATTERING IN ULTRASHORT LASER FIELD**
- 16:20-17:20 Coffee break + Poster session

**Friday, 1 July, 2022**

- 9:00-9:50 Ivica Aviani,  
**INVESTIGATION AND MODELING OF ESHERICHIA COLI GROWTH AND INACTIVATION IN THE PRESENCE OF SILVER NANOPARTICLES**
- 9:50-10:20 Bono Lučić, A. Kraljević, J. Batista,  
**NEW STRUCTURAL FEATURES THAT SIGNIFICANTLY IMPROVE PROTEIN FOLDING RATE MODELS**
- 10:20-10:35 Andrej Vidak, I. Movre Šapić, V. Mešić,  
**AUGMENTED REALITY IN TEACHING ABOUT PHYSICS: A SYSTEMATIC REVIEW**
- 10:35-10:50 Amer Ajanović, et al.,  
**MATCHING CIRCUIT CO-SIMULATION FOR MR RADIOFREQUENCY COIL SYSTEM OPTIMIZATION** or  
**MOTION-DEPENDENT PATIENT SAFETY ASSESSMENT FOR ULTRA HIGH-FIELD MR BRAIN IMAGING**
- 10:50-11:05 S. Odžak, Adnan Beganović, M. Jusufbegović, A. Pandžić,  
**DESIGN OF THREE-Dimensionally-PRINTED ANTHROPOMORPHIC PHANTOM FOR MAMMOGRAPHY**
- 11:05-11:15 Closing Ceremony
- 11:15-15:00 Excursion (Cable car tour – depending on the number of interested participants)