

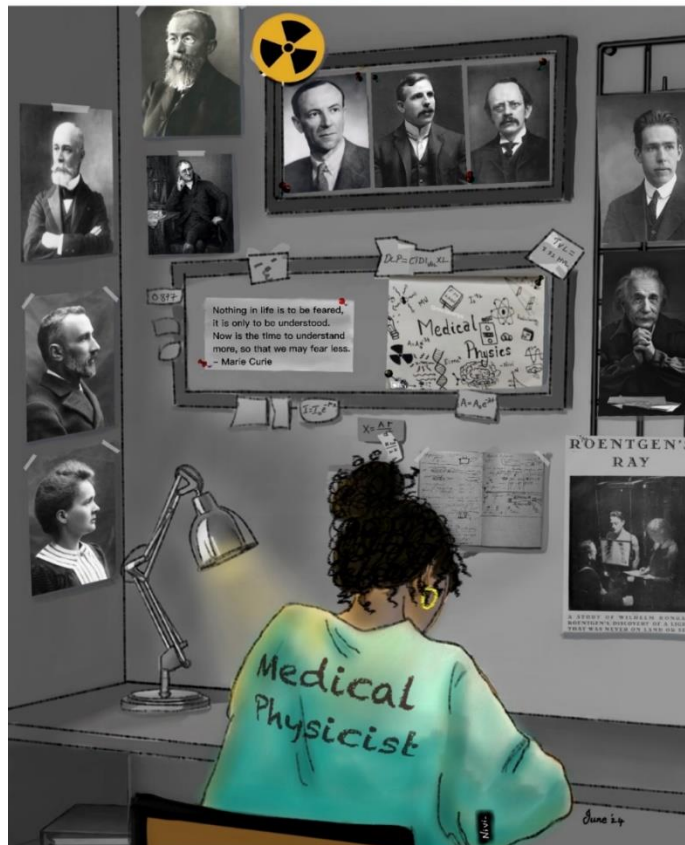
CROMPA Annual Meeting 2024

5th SYMPOSIUM

MEDICAL PHYSICS IN CROATIA



*Celebrating the
International Day
of Medical Physics*



7 November 2024

14 h



Klinička bolnica Dubrava
Velika predavaonica, 2. kat
Avenija Gojka Šuška 6, Zagreb

REGISTRATION



bit.ly/SymposiumCROMPA-24

Inspiring the next generation of Medical Physicists

EXHIBITORS:



ALTHEA LIFE
INTERNATIONAL



ORGANIZERS:



Symposium Programme

Symposium Programme

- 14.00 - 14.15** **Symposium opening**
- 14.15 - 14.45** **EFOMP President lecture**
Efi Koutsouveli, EFOMP
- 14.45 - 15.00** **Characterization of myocardial perfusion imaging systems through the physical descriptors**
Dea Dundara Debeljuh, University Hospital Rijeka, Department of Medical Physics and Radiation Protection, Rijeka; General Hospital Pula, Radiology Department, Pula
- 15.00 - 15.15** **Volumetric Modulated Arc Therapy for Breast Cancer Patients on O-Ring Linear Accelerator at University Hospital Centre Zagreb**
Timor Grego, University Hospital Centre Zagreb, Zagreb
- 15.15 - 15.30** **Energy and angular dependence of RPL glass dosimeter type GD-352M**
Mercedes Horvat, Ruđer Bošković Institute, Zagreb
- 15.30 - 15.45** **Towards Safe, Optimized and personalized radiology and radiotherapy procedures for pregnant patients (SONORA)**
Željka Knežević, Ruđer Bošković Institute, Zagreb
- 15.45 - 16.00** **Monte Carlo simulation of particle transport emitted during ^{123}I decay: application in single-photon emission computed tomography**
Laura Nađ, Faculty of Physics, University of Rijeka, Rijeka
- 16.00 - 16.05** **Group photo**
- 16.05 - 16.30** **Coffee break**
- 16.30 - 16.45** **Monte Carlo based iterative SPECT reconstruction: validation and first results**
Ivan Pribanić, University Hospital Rijeka, Department of Medical Physics and Radiation Protection, Rijeka; Faculty of Medicine, University of Rijeka, Department of Medical Physics and Biophysics, Rijeka
- 16.45 - 17.00** **Characterization of dose-response perturbations of radiochromic film by analysis of scanned film data prior to irradiation**
David Rajlić, University Hospital Rijeka, Department of Medical Physics and Radiation Protection, Rijeka
- 17.00 - 17.15** **Automated VBQ determination from T1-weighted lumbar spine MRI data using a hybrid CNN-Transformer neural network**
Kristian Stojšić, University Hospital Rijeka, Department of Medical Physics and Radiation Protection, Rijeka
- 17.15 - 17.30** **Commissioning and acceptance testing of Siemens SPECT/CT system Symbia Pro.specta**
Grgur Šimunić, Sestre Milosrdnice University Hospital Center, Department of Medical Physics, Zagreb
- 17.30 - 17.45** **Dosimetric comparison of fixed cone collimator and variable circular aperture of a robotic radiosurgery system**
Giovanni Ursi, Specialty Hospital Radiochirurgia Zagreb, Sveta Nedelja
- 17.45 - 17.55** **Symposium closing**
- 18.00 - 19.00** **CROMPA Annual Assembly meeting**
- 19.00 -** **Symposium reception and networking**