Symposium Programme

CROMPA Annual Meeting 2026

7th SYMPOSIUM

MEDICAL PHYSICS IN CROATIA

Celebrating the International Day of Medical Physics



13 November 2026
13 h

University of Zagreb
School of Medicine
Čačković Lecture Hall
Šalata 3, Zagreb

REGISTRATION

ORGANISERS:

HDMF CROMPA
Hrvatsko društvo za medicinsku fiziku
Croatian Medical Physics Association

Sveučilište u Zagrebu Medicinski fakultet

EXHIBITORS:

SIEMENS Healthineers

eurokontakt

ALTHEA LIFE INTERNATIONAL

medicem servis

FINERA

Elekta

Symposium Programme

13:00 - 13:25 **Symposium opening**

- **Prof. Slavko Orešković, PhD**, Dean of the University of Zagreb School of Medicine
- **Asst. Prof. Hrvoje Hršak, PhD**, President of the Croatian Medical Physics Association
- Representatives of related professional societies:
  Croatian Society of Radiology
  Croatian Association of Radiation Technology
  Croatian Radiation Protection Association
- **Željka Josić, MD**, State Secretary at the Ministry of Health of the Republic of Croatia, representative of the Minister of Health

Medical physics in diagnostic and interventional radiology, and nuclear medicine

Chairs: Ivana Kralik and Hrvoje Brkić

13:25 - 13:40 **AURORad: Advancing Unified Roadmap on implementation of the strategic agenda for medical ionising Radiation applications - From European Policy to Practical Implementation**
Katarina Ružić, University Hospital Centre Zagreb, Department of Medical Physics

13:40 – 13:55 **Axial vs. Helical CTDI Determination Using Siemens Force CT Scanner**
Marko Bosiočić, Medical Physics and Radiation Protection Department, University Hospital Rijeka; Department for Medical Physics and Biophysics, Faculty of Medicine Rijeka

13:55 – 14:10 **Evaluation of MPI system performance in detecting perfusion defects under Monte Carlo-simulated dynamic conditions**
Dea Dundara Debeljuh, Radiology Department, General Hospital Pula, Pula; Medical Physics and Radiation Protection Department, University Hospital Rijeka

14:10 – 14:25 **Magnetic Resonance Spectroscopy for Monitoring Treatment Response to IDH Inhibitor Therapy in Lower-Grade Glioma Patients**
Dunja Šimičić, Department of Physics and Biophysics, University of Zagreb School of Medicine; Russell H. Morgan Department of Radiology and Radiological Science, The Johns Hopkins University School of Medicine, Baltimore

14:25 – 14:40 **Personal protection-innovative ultralight solutions**
Sandra Senečić, AltheaLife International d.o.o.

14:40 – 14:45 ***Group photo***
14:45 - 15:00 ***Coffee break***

Medical physics in radiotherapy

Chairs: Iva Mrčela and Đeni Smilović Radojčić

15:00 – 15:15 **Implementation of a Respiratory Motion Management Quality Assurance Program Based on AAPM TG-142 and TG-324 at UPMC Hillman Cancer Center Croatia**
Timor Grego, UPMC Hillman Cancer Center Hrvatska

15:15 – 15:30 **Determination of output correction factors for small static fields in two orientations**
Mergime Hasani, Medical Physics and Radiation Protection Department, University Hospital Rijeka; Department of Biophysics and Medical Physics, Faculty of Medicine Rijeka

15:30 – 15:45 **Characterization of radioluminescent films for dosimetry in Gamma Knife radiosurgery**
Luka Luketin, University Hospital Centre Zagreb, Department of Medical Physics

15:45 – 16:00 **Determination of a CT-to-ED Calibration Curve for the SOMATOM go.Open Pro CT Simulator for Use in the Elekta Monaco TPS**
Sara Sabljak, Department of Medical Physics, Sestre milosrdnice University Hospital Center

16:00 – 16:30	***Coffee break***
	Medical physics in radiotherapy *Chairs: Mladen Kasabašić and Hrvoje Hršak*
16:30 – 16:45	**Evaluation of the HyperSight CBCT for Simulation-Free Online Adaptive Radiotherapy on the Varian Ethos Linear Accelerator** *Nikola Šegedin, Speciality hospital Radiochirurgia Zagreb Cleveland Clinic Connected*
16:45 – 17:00	**Determination of Dosimetric and Geometric Accuracy of the Leksell Gamma Knife radiosurgery** *Katarina Dedeić, University of Zagreb Faculty of Science, Department of Physics; Ekoteh dozimetrija*
17:00 – 17:15	**Quality Control and Dosimetric Verification of Additively Manufactured Boluses in Radiotherapy** *Kristijan Dragičević, University Hospital Center Sisters of Charity, Department of Medical Physics*
17:15 – 17:30	**Evaluating plan efficiency of conventional and high fidelity optimization techniques of the Intelligent Optimizer Engine on Varian Ethos** *Giovani Ursi, Speciality hospital Radiochirurgia Zagreb Cleveland Clinic Connected*
17:30 – 18:30	**CROMPA Annual Assembly meeting**
18:30 - 20:00	**Symposium reception and networking**