

Session Program

1-7 Nov 2026



The 2nd UPLIFT School for “Artificial Intelligence in Radiotherapy”

Poster dissusion

Congressi Stefano Franscini (CSF)

Wednesday 4 November

15:30

Poster dissusion: 1 (10+2min per person x 10)

Session | Location: Congressi Stefano Franscini (CSF)

15:30-15:50

Development of a 4D MRI Framework for Characterising Abdominal Motion in Supine and Upright Positions

Speaker

Ms Anna Sampanai

15:50-16:10

Energy Layer Filtration for Upright Static Carbon Arcs

Speaker

Wouter van Weerelt

16:10-16:30

Dosimetric trade-offs between ITV expansion and robust optimization for inter-fractional anatomical variation in upright carbon-ion radiotherapy for lung cancer

Speaker

Guangsheng Li

16:30-16:50

Non-coplanar arc radiotherapy trajectory planning in Blender

Speaker

Zixin He

16:50-17:10

Shoot-Through Beams for Robust Head and Neck Proton Therapy in Upright Particle Therapy Systems

Speaker

María Plana Herranz

17:10-17:30

Considerations for the quality assurance of upright photon and proton radiotherapy

Speaker

Chrysa Rousi

18:30

Thursday 5 November

15:30

Poster dissussion: 2 (10+2min per person x 10)

Session | **Location:** Congressi Stefano Franscini (CSF)

15:30–15:42

ANTHROPOMETRIC PATIENT MODELLING AS A DESIGN BASIS FOR AN UPRIGHT PATIENT POSITIONING SYSTEM IN PAEDIATRIC MR-GUIDED PROTON THERAPY

Speaker

Leonna Aranda

15:42–15:54

Design of an Isocentric MRI-Guided Upright Particle Therapy System

Speaker

Courtney Ford

15:55–16:07

A rotation platform for upright radiotherapy research with anthropomorphic phantoms on standard linear accelerators and fixed-beam particle therapy systems

Speaker

Pit Arend

16:08–16:20

Methods and Evidence in Economic Evaluations of Modern Radiotherapy: A Systematic Mapping Review

Speaker

Mr Fabio Veneruso

16:20–16:32

Quantifying Posture-Dependent Respiratory Motion for Upright Radiotherapy Using AI-Tracked Cine MRI

Speaker

Daniel Richter

16:33–16:45

Quantitative Timepix4 Imaging of Heterogeneous Alpha-Emitting Radiopharmaceutical Distributions in Tissue Sections

Speaker

Vasily Sorokin

16:45–16:57

Towards a Feasibility Study of Range Verification in Radioactive Carbon-Ion Beam Therapy using J-PET Scanner

Speaker

Alhassan Aliyu Saad

16:58–17:10

Designing for Comfort: A Usability Engineering Gap in Upright Head and Neck Radiotherapy Immobilisation

18:30

Speaker

Nicole Caballero-Canchanya