



LFT-päivät Kuopiossa 22-23.2.2024

Medical Physics and Medical Engineering Days in Kuopio 2024

The Finnish Society for Medical Physics and Medical Engineering organizes an annual event for students, researchers and companies in our field, Medical Physics and Engineering (LFT) Days. In 2024, the event will be held in Kuopio on February 22-23 in auditorium MS302 on the 3rd floor of the Medistudia building (Yliopistonrinne 3, 70210 Kuopio).

Lääketieteellisen fysiikan ja tekniikan yhdistys järjestää vuosittain alamme opiskelijoille, tutkijoille ja yrityksille suunnattua tapahtumaa, lääketieteellisen fysiikan ja tekniikan (LFT) päiviä. Vuonna 2024 tapahtuma pidetään Kuopiossa helmikuun 22.-23. päivinä Medistudia-rakennuksen 3 krs auditoriossa MS302 (Yliopistonrinne 3, 70210 Kuopio).

Day 1: Examples of LFT Research in Kuopio, company presentations and **poster competition**

Day 2: Presentations on PhD research projects

Day 1: Thursday 22.2.2024, Medistudia, MS302

08:30 Coffee, registration

09:00 Opening by the Chairman of LFT Society – Simo Särkkä

09:05 Greetings from the dean – Kari Lehtinen

09:10 Local event information – Mikko Nissi, Petri Tanska

09:15 Selected research at University of Eastern Finland, Janne Mäkelä

09:15 *Musculoskeletal Diseases Research Community*, Rami Korhonen

09:30 *Human motion analysis in rehabilitation and performing arts*, Pasi Karjalainen

09:45 *In the heart of sleep research*, Salla Hietakoste

10:00 *Applied biospectroscopy for tissue characterization: from research towards clinical translation*, Isaac Afara

10:15 *Machine learning in radiotherapy*, Henri Korkalainen

10:30 *Magnetic Resonance Imaging research*, Olli Gröhn

10:45 *Inverse problems in medical physics and engineering*, Ville Kolehmainen

11:00 Break 15 min

11:15 **Poster competition: 3 min Power Pitch + traditional posters**

12:15 Lunch (at own cost, Canthia)

13:00 **Annual meeting of the LFT Society, room MS301**

14:00 Company presentations, chair: Atte Eskelinen

14:00 Brainlab AG (online)

14:15 MVision AI Oy

14:30 Varian Medical Systems Finland Oy

14:45 Nexstim Oy (video)

14:50 Coffee break 40 min, sponsor stands, socializing & poster viewing, Medistudia lobby

15:30 Company presentations continue, chair: Isaac Afara

15:30 Radiotherapy equipment Radeq AB

15:45 Planmeca Oy

16:00 Oy Scanex Medical Systems Ab

16:15 Results of poster competition, awards, closing of the day

18:00 Evening gathering, food, drinks, ... (Sponsored)

- Lobby of Snellmania building, Yliopistonranta 8



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Day 2: Friday 23.2.2024, Medistudia, MS302

08:15 Coffee

08:40 2023 Best LFT Paper Award Introduction and Presentation.

08:50 Presentations I, chair: Rami Korhonen

08:50 12 min presentation, based on abstracts

09:02 12 min presentation, based on abstracts

09:14 12 min presentation, based on abstracts

09:26 12 min presentation, based on abstracts

09:38 Break & poster viewing

10:30 Presentations II, chair: Timo Leppänen

10:30 12 min presentation, based on abstracts

10:42 12 min presentation, based on abstracts

10:54 12 min presentation, based on abstracts

11:06 12 min presentation, based on abstracts

11:18 Closing of LFT Days

11:20 Lunch (at own cost, Canthia)

12:15 – 13:30 Lab tours

- Humea + BBC: Human motion lab, biomechanics lab (Snellmania)
- STAR: SmartSleepLab (Canthia)
- AIVI: preclinical MRI (A.I. Virtanen Institute)
- SIB Labs: Microscopy, uCT, etc (Snellmania)

14:20 Trains out of Kuopio: Turku, Tampere, Helsinki

15:39 Trains out of Kuopio: Oulu

varian

SIEMENS
Healthineers



SCANEX

COMSOL

Nexstim

MVISION
- Artificial Intelligence in Medical Imaging -

PLANMECA
GROUP

radeq
Radiotherapy equipment
Scandinavia

BRAINLAB

kubios

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