

Seminar program 2023

Applied Machine Learning in Diagnostic Imaging

Digital transformation based on data-driven technology has the potential to revolutionize medicine.

Academia can play a major role in the development, validation and marketability of innovative solutions responding to the compelling needs of patients and healthcare professionals.

Program

In this program, we address the cardinal points allowing efficient digital technology transfer between academia and medtech industry. **Research and development (R&D)** strategies for conducting solid translational research. Creation of an environment in which **innovation (I)** relies on complementary resources and expertise.

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| 16.03.23 | I | Transforming Healthcare with AI: Potential Applications and Challenges
Daniel Truhn, PD Dr., University Hospital Aachen |
| 27.04.23 | R&D | Real-time Breast Ultrasound Imaging
Carlotta Ruppert, b-rayZ AG |
| 25.05.23 | R&D | Monitoring performance of AI algorithms
Federica Zanca, Dr., Groupe 3R |
| 15.06.23 | R&D | Quality Assurance for Auto-Segmentation AI
Robert Poel, Inselspital Bern |
| 20.07.23 | R&D | Synthetic CT from MRI images for RT Planning
Riccardo dal Bello, Dr. rer. nat., University Hospital Zurich |
| 17.08.23 | R&D | Vision-Language Models in Thoracic Imaging
Christian Blüthgen, Dr. med., University Hospital Zurich |
| 21.09.23 | R&D | Radiomics in Liver Imaging
Vincenza Granata, MD PhD, Istituto Nazionale Tumori |
| 19.10.23 | I | Procurement in the Digital Health
Aida Yousefi, Novart Projects Ltd. |
| 16.11.23 | I | The FDA approval process
Stefan Voser, ScanDiags AG |
| 21.12.23 | R&D | Integration of AI into the MR workflow: Are we there yet?
Thomas Küstner, Prof. Dr.-Ing., University Hospital Tübingen |

Contact

Institute for Diagnostic and Interventional Radiology, USZ

Dr. Davide Cester, davide.cester@usz.ch

PD Dr. Alexander Ciritsis, alexander.ciritsis@usz.ch

Dr. Catherine Paverd, catherinemary.paverd@usz.ch

Prof. Dr. Cristina Rossi, cristina.rossi@usz.ch

Department of Radiation Oncology, USZ

Dr. Stephanie Tanadini-Lang, stephanie.lang@usz.ch

Credits

SGR-SSR 1 per session

Participation

The event is fully digital.

<https://zoom.us/join>

Meeting ID: 675 3508 1091

Passcode: 086449

Time and Place

All events take place from 12.15 to 1.00 pm, with approximately 30 minutes lecture plus discussion

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