USZ Universitäts Spital Zürich

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. **Training** (T) of professional profiles competitive in understanding data-driven technology. **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.

18.03.21	**T – Machine Learning for Beginners** * Ertunc Erdil, Dr., ETHZ
15.04.21	**T – From Regression to Machine Learning in R (Statistics Hands-on)** * Simon Schwab, Dr., UZH
20.05.21	**R&D – Towards Trustworthy ML in Medical Image Analysis** Ender Konukoglu, Prof. Dr., ETHZ
17.06.21	**R&D – Real World Interpretable ML Algorithms in Dermatology Consultation** Javier Barranco Garcia, Dr., USZ
01.07.21	**R&D – Artificial Intelligence in Radiation Oncology** Martin Kocher, Prof. Dr., University of Cologne
15.07.21	**I – Incubation Programs** Matthias Herrmann, USZ
02.09.21	**R&D – Machine Learning in Cardiac Imaging** Fabian Laqua, USZ
30.09.21	**R&D – Machine Learning for Pathology** Maxime Lafarge, Dr., Sonali Andani, Dr., USZ
04.11.21	**The Importance of Research and Partnership Strategies for Early-stage Startups** Utku Gülan, Dr., HiD-Imaging
18.11.21	**R&D – AI in Hybrid Imaging: Aims and Limitations** Michael Messerli, Dr., USZ
02.12.21	**I – How to Cope with the Regulatory Environment** Roger Abächerli, Prof. Dr., HSLU
16.12.21	**I – Create Your Own Startup** Cristina Rossi, PD Dr., USZ

Contact

Department of Diagnostic and Interventional Radiology, USZ
PD Dr. Bettina Baessler, bettina.baessler@usz.ch
PD Dr. Cristina Rossi, cristina.rossi@usz.ch
Department of Radiation Oncology, USZ
Dr. Stephanie Tanadini-Lang, stephanie.lang@usz.ch

Time and Place

* The two Training (T) workshops will take place from 4.30 to 6.00 pm, the duration will be approx. 90 minutes including live-demo and hands-on sessions.
All other events will take place from 12.15 to 1.00 pm, duration approx. 30 minutes per lecture plus discussion.

Credits

SGR-SSR 1 per session

Participation

The event is fully digital
https://zoom.us/join
Meeting ID: 829 159 8623
Passcode: 699059

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