

Artificial Intelligence (AI) and Photonics: is it the golden goose?

Program on Monday, 4th of July 2022, 14:00 – ca. 18.00 h

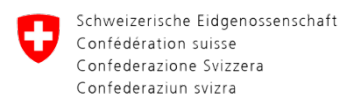
University of Applied Sciences and Arts Northwestern Switzerland FHNW, Campus
Bahnhofstrasse 6, CH-5210 Brugg-Windisch, Room 6.0D13

Keywords: Integrate Physics in ML, AI-Automation, Process Optimization, Data Modelling & Processing

Program:

Time	Presentation & Topic
14:00 h	Welcome & Introduction Dr. Jörg Güttinger, Managing Director NTN IB-Photonics Dr. Selina Casutt, Head of Department NTN IB-Photonics Dr. Melanie Geiger, Deputy Managing Director NTN Data Booster
14:15 h	Ignite the spark of photonics application with the power of AI Philipp Schmid, CSEM SA
14:45 h	Prediction and adaption: how to improve operation-critical process steps Dr. Augusto Mandelli, ficonTec GmbH
15:05 h	Laser stabilization with machine learning Prof. Dr. Bojan Resan, FHNW Windisch, Dr. Alisa Rupenyan, ETH Zürich
15:30 h	Coffee Break and Networking
	Break-out Discussions in Groups:
16:00 h	Group 1 - Small Data – big role Ernie Niederberger, Swisens AG / Prof. Dr. Martin Melchior & Prof. Dr. Daniel Perruchoud, FHNW
	Group 2 - Architecting AI Solutions Ivo Nussbaumer, Ateleris GmbH / Marcus Basalla, Wireframe AG / Dr. Teresa Kubacka, Litix GmbH
	Group 3- Physics informed ML Dr. Evelyne Knapp, ZHAW
ca. 17:00 h	Wrap-up in the Plenum
17:15 h	Apéro and Networking

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