

Research Symposium 2022

Center for AI in Medicine

Thursday, 24 November 2022, 8.30-13.00h

Kuppelsaal, Hauptgebäude, Universität Bern, Hochschulstrasse 4



Tara Winstead, Pexels

Keynotes

«How Explainability Contributes to Trust in AI»

I provide a philosophical explanation of the relation between artificial intelligence (AI) explainability and trust in AI. The explanation relies on the concepts of justification, causality, and monitoring. This approach intercepts the complexity of the interactions between physicians and medical AI systems in clinical practice.



Dr. Andrea Ferrario

ETH Zurich and Mobiliar Lab for Analytics at ETH

Andrea Ferrario holds a PhD in mathematics from ETH Zurich. He has worked in industry as data scientist for five years before his return to the ETH as Postdoc and Scientific Director of the Mobiliar Lab for Analytics. His research interests lie at the intersection of philosophy and technology, with a focus on AI and mixed reality.

«Deep Learning Medical Image Analysis in Radiology: myths, realities and how to make it work for you»

Radiology is undergoing profound changes due to more imaging examinations, the shortage of certified radiologists, healthcare economics, and the developments of AI-based image processing. Deep learning has been adopted as the solution of choice. But it presents significant challenges and requires the consideration of the ecosystem around it.



Prof. Dr. Leo Joskowicz

CASMIP Lab, The Hebrew University of Jerusalem

Leo Joskowicz is a Professor at the School of Computer Science and Engineering at the Hebrew University of Jerusalem, Israel. He is the founder and director of the Computer-Aided Surgery and Medical Image Processing (CASMIP) Lab. In 2010, he received the Maurice E. Muller Award for Excellence in Computer Assisted Surgery.



CENTER FOR ARTIFICIAL INTELLIGENCE IN MEDICINE

Symposium Program

8.30h	Opening Address	Raphael Sznitman, Director Center for AI in Medicine (CAIM)
8.40h	Introduction	Claudio Bassetti, Dean Medical Faculty, University of Bern
8.45h	DAIM, an initiative for more diversity in AI research	Inti Zlobec, Head Digital Pathology & DAIM committee
8.50h	CAIM Ethics Lab: Intro	Claus Beisbart, Institute of Philosophy
9.05h	How Explainability Contributes to Trust in AI	Andrea Ferrario, Technology Marketing and Mobiliar Lab for Analytics, ETHZ
9.45h	Coffee Break (Foyer)	
10.00h	CAIM funded research projects 2022: Current status and first results	Christoph Gräni / Yasaman Safarkhanlo Daniel Fuster / Rémy Bruggmann Richard McKinley / Piotr Radojewski Tobias Nef / Stefan Klöppel Petra Stute / David Ginsbourger
11.30h	Stand-up Lunch (Foyer)	
12.00	Deep Learning Medical Image Analysis in Radiology: myths, realities and how to make it work for you	Leo Joskowicz, Director CASMIP Lab, The Hebrew University of Jerusalem
12.40h	CAIM Awards / Closing	Raphael Sznitman

Registration:

www.caim.unibe.ch/symposium2022_register/

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