AI and Science
Collegium generale

Münchenwiler Seminar Spring 2024
Schloss Münchenwiler, Murten

Friday, April 19, 2024

13.30	Departure by bus from the University of Bern, Hochschulstrasse 4, to Schloss Münchenwiler
14.30–14.45	**Introduction**
14.45–15.30	**What is Artificial Intelligence?** Prof. Dr. Lena Kästner, philosophy, University of Bayreuth
15.30–16.15	**Generative AI – a step towards Generic Artificial Intelligence?** Prof. Dr. Siegfried Handschuh, Computer Science, University of St. Gallen
16.15–16.45	Coffee Break
16.45–17.30	**Why Human Behaviour Matters for AI** Dr. Stuart Mills, Pycology and Behavioural Science, Leeds University; London School of Economics and Political Science
17.30–18.15	**Interpretable AI in Medicine: Opening the Black Box for Patient Safety, Trustworthiness, and Improved AI** Prof. Dr. Mauricio Reyes, ARTORG Center for Biomedical Engineering Research, University of Bern
18.15–19.00	**Informal discussion with *Apéro***
19.00	Dinner

Saturday, April 20, 2024

8.00	Breakfast
9.00–9.45	**Stereotypes and Bias in Machine Learning Models** Prof. Dr. Mascha Kurpicz-Briki, School of Engineering and Computer Science, Bern University of Applied Sciences
9.45–10.30	**Legal Aspects of ChatGPT** Prof. Dr. Melinda F. Lohmann, Private and Information Law, University of St. Gallen, Director of the Institute for Law of Innovation and Technology
10.30–11.00	Coffee Break
11.00–11.45	**Truly Human-Centered AI: From Artificial Intelligence to Augmented Intelligence** Prof. Dr. Marcello Ienca, School of Medicine and Health, Technical University of Munich
11.45–12.30	**«This talk is both speculative and trivial; needs proofreading»: Can AI Replace Human Experts in Journal Peer Review?** Prof. Dr. Malte Elson, Psychology, University of Bern
12.30–13.00	**Concluding discussion**
13.00	Lunch
14.30	Departure

Collegium generale

The Collegium generale promotes the interdisciplinary dialogue and networking within the university through events and seminars for faculty members and students from all fields of study. Our events are aimed at audiences from all faculties and the general public.

Münchenwiler Seminar

Each spring the Collegium generale invites members of the University community to a seminar in the Münchenwiler castle. The seminar is an opportunity to engage in self-reflection and provides a platform for developing interdisciplinary and transdisciplinary skills in teaching and research.

AI and Science

AI is all the rage in science. AI is used to analyze data, to cast predictions, and even to make discoveries. Accordingly, commentators have suggested that AI leads to a revolution of science. Others have gone so far as to claim that we confront a new kind of science for which traditional models and theories don't matter anymore. But is this so? Or is AI overhyped? For which purposes can AI be used, and where are its limitations? For instance, how can AI promote our understanding if it remains a black box? And what are the ethical and legal challenges to the use of AI in science? The Münchenwiler seminar invites researchers of the University at Bern to discuss the impact of AI on science.

Program committee

Prof. Dr. Daniel Aebersold
Institute of Radio-Oncology, Insel
Prof. Dr. Dr. Claus Beisbart
Institute of Philosophy
Prof. Dr. Paolo Favaro
Institute of Computer Science
Prof. Dr. Stavroula Mougiakakou
ARTORG Center for Biomedical Engineering Research
Sara Bloch
Collegium generale

Registration

The seminar is open to all members of the teaching and research staff including doctoral and post-doctoral researchers at the University of Bern.

Participation is free of charge.

Please register by the end of March: www.collegiumgenerale.unibe.ch