

PAUL VOGT

Dr. Paul Vogt joined the Artificial Intelligence department of the Bernoulli Institute in June 2023 as a lecturer in Robotics. After finishing this study in 1997, he obtained a PhD at the Artificial Intelligence Laboratory of the Vrije Universiteit Brussel (Belgium) in 2000 on 'Lexicon grounding in mobile robots'. His research focuses on understanding the cultural, social and cognitive mechanisms that underly the evolution and acquisition of language and communication.



ARNO SIEBES

Arno Siebes is a professor at Utrecht University with an interest and commitment to advancing our understanding and utilization of sophisticated data mining techniques. His expertise ranges from bioinformatics to security and social media analysis where his work holds profound implications for industry and academia alike. He is dedicated to pushing the boundaries of possibility in data-driven research using innovative methodologies as the Minimum Description Length principle.



ROB BURGHARD

Rob Burghard was responsible for Technical, project, and commercial management at different companies including ExxonMobil, Tebodin, Stork, Gasunie, and Centrica. From 2010 onwards, he became the CEO of EnerGQ BV, a company that focuses on the development and licensing of Artificial Energy Intelligence (AEI) Software for baselining energy usage, predictive maintenance, and operational energy savings.



BERT KAPPEN

Bert Kappen received his PhD in theoretical particle physics at the Rockefeller University in New York in 1987. He co-founded in 1998 the company Smart Research that commercializes applications of neural networks and machine learning used by for example Interpol and the Dutch Forensic Institute. Since 1989, he has been developing efficient machine learning algorithms at Radboud University, using methods from statistical physics.



SYRINE BEN AZIZA

Syrine is a scientist integrator at TNO within the unit ISP. In Paris, she specialized in the master's degree in Computing Science in Information technology and complexity of the living. She currently focuses on conceptualization, prototyping, and validation of innovative reliable twinning methodologies, ultimately contributing to the convergence of the physical and digital worlds. One of her projects marks a development in the future of Green Hydrogen production.



DAAN OPHEIKENS

Daan Opheikens is working for TNO at the CyberSecurity Technologies (CST) department as a scientist in cybersecurity. He has done a masters at the RuG in Computing Science and has worked as a Penetration Tester / Ethical Hacker for roughly one and a half years before starting at TNO.



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SCHEDULE

10:15	Opening Talk
10:30	Using social Robots for second language education by Paul Vogt
11:30	Coffee Break
11:45	The use of patterns in a security use case by Arno Siebes
12:45	Coffee Break
13:00	Artificial Energy Intelligence by Rob Burghart
13:30	Lunch
14:30	(Im)possibility of consciousness in machines and quantum effects in the brain by Bert Kappen
15:30	Coffee Break
15:45	Decentralised Secure Modelling of Electrolyzer by Syrine Ben Aziza
16:15	LLM-empowered Hackers by Daan Opheikens