# DATA SCIENCE



EuADS Summer School 2024
## Generative AI

### EuADS Symposium -
**Data Science in the time of ChatGPT —
Why AI isn't solved, and how data science can help**

**Hybrid public event**
Tuesday, June 18th 2024
Maison d'Accueil
50, avenue Gaston Diderich
L-1420 Luxembourg

### Summer School

Wednesday June 19th
to Friday June 21th 2024

Maison d'Accueil
50, avenue Gaston Diderich
L-1420 Luxembourg

**EuADS**
**European Association for Data Science**

# EuADS Symposium - Data Science in the time of ChatGPT — Why AI isn't solved, and how data science can help

## Tuesday, 18.06.2024

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| 13h00-14h00 | Registration and Coffee |
| 14h00-15h00 | Opening and Welcome |
| | **Serge Allegrezza** \| STATEC Director |
| | **Eyke Hüllermeyer** \| EuADS President |
| 15h00-16h30 | Sabine Krolak-Schwerdt Public Lecture<br>Data Science in the time of ChatGPT — Why AI isn't solved, and how data science can help |
| | **Peter Flach** \| University of Bristol, UK |
| 16h30 | Welcome Reception |

# EuADS Summer School 2024 - Generative AI

## Wednesday, 19.06.2024

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| 09h30-13h00 | Machines That Speak and Imagine: The Role of AI in Audio and Image Generation |
| | **Ian Sosa** \| NeuralWave Technologies, University of Luxembourg, LU |
| 13h00-14h30 | Lunch Break |
| 14h30-18h00 | LLMs: Foundations, Advancements, and Ethical Considerations |
| | **Thomas Arnold** \| University of Darmstadt, Germany |

## Thursday, 20.06.2024

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| 09h30-13h00 | Generative AI for Data Analytics |
| | **Artur Guja** \| Data 3.0 Ltd, UK |
| 13h00-14h30 | Lunch Break |
| 14h30-18h00 | Robust Evaluation of Generative AI |
| | **John Burden** \| University of Cambridge, UK |

## Friday, 21.06.2024

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| 09h30-13h00 | What Generative AI tells us about ourselves |
| | **Sergio D'Antonio Maceiras** \| Technical University of Madrid, Spain |
| 13h00 | Vin d'honneur |

Please refer to **euads.org** for eventual updates and changes.

The rise of Generative AI, especially with the advancements in Large Language Models (LLMs), marks a transformative era in artificial intelligence that is expanding across all disciplines. LLMs aim to bridge the communication gap between machines and humans, paving the way for models that can grasp the nuances of human language and generate outputs in various formats that mimic human cognition and creativity.

The critical moment for Generative AI came with the adoption of neural networks, particularly transformer-based architectures, which have become its backbone. These models stand out for their profound ability to digest and learn from extensive corpora and datasets, and also to generate original, contextually rich content. But we are just at the beginning. The emerging models present challenges related to ethics, reliability, the way we experiment with these models, the scope of their inferences, their applications to more specific domains, etc. All this has created a vibrant field of work and opens the doors to a community that we hope will find the right forum in this Summer School.

The Summer School is primarily aimed at advanced PhD students, postdoctoral and early-career researchers with an interest and basic grounding in data science, machine learning, and/or statistics.

## Fees and Registration

For EuADS members the fee for participating in the summer school is 150€.
For non-members the fee is 200 € with a free EuADS-membership for 2024.
For room prices and room reservations on the premises, please refer to the explanations on our website and express your wish clearly in your registration mail.

To ensure an interactive experience the number of participants is limited, so early registration is strongly recommended. Please register by:

1. Sending an email with your personal details to **contact@euads.org**, with reference to EuADS Summer School 2024 Generative AI.

2. Transferring the amount (participation fee only or participation fee and room reservation) to:

| | |
|---|---|
| Account holder: | EuADS (European Association for Data Science) |
| Bank: | Banque et Caisse d'Epargne de l'Etat, Luxembourg |
| IBAN: | LU47 0019 4655 6967 1000 |
| BIC/SWIFT | BCEELULL |

Please mention in the payment details field:

"EuADS Summer School 2024_Participation Fee" or "EuADS Summer School 2024_Participation Fee and Room Reservation"

The participation fee, as well as the accommodation fee, if you made a reservation for a room in your registration mail, must be transferred before the 1st of June 2024.

You will receive a confirmation mail as soon as the money has arrived on the EuADS account. Without payment until the 1st of June 2024, your reservation is cancelled, and the room will be allocated to the next person on the waiting list.

**@EuADSorg**

Or visit us on euads.org