

DATA SCIENCE WEEK 2025

DATE : 16–18 JUNE

AMSTERDAM, NETHERLANDS

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Timings

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|--------------------------------------|---|
| <input type="checkbox"/> 08:00–08:45 | Distribution of Badges & On-site Registration |
| <input type="checkbox"/> 08:45–08:55 | Opening Ceremony |
| <input type="checkbox"/> Moderator: | Welcome speech by Moderator |

DAY 1– 16TH JUNE (MONDAY)

Keynote Forum 09:00–11:20



Title: The Importance of On-Premise Cloud Systems for State-of-the-Art Training in Data Science

09:00–09:20 Thomas Eppler, University Albstadt-Sigmaringen, Germany



Title: Driving Semiconductor Excellence: The Intersection of Data, AI, and Next-Gen Technology

09:25–09:45 Peter Czerner & Dennis Peskes, Elmos Semiconductor SE, Germany



Title: The Rise of Decentralized AI: The Fall of Centralized Data and the Future of LLMs

09:50–10:10 Gregory Allen, Datasent, USA



Title: Won't you try: on the use of AI models in publishing research results

10:15–10:35 Vladan Devedzic, University of Belgrade, Serbia

Group Photo & Coffee Break 10:40–11:00@ Foyer



Title: Eekual's GenAI: Pioneering Personalized, Sustainable Production through the World's First AI for Physical Product Generation

11:00–11:20 Maximilian Bock, eekual bionic GmbH, Germany

SESSION 1: DATA SCIENCE & TECHNOLOGY | APPLICATIONS OF DATA SCIENCE

Session Chair:

Session Introduction



Title: Personalization models for email subject lines and send times

11:25–11:45: Preetham Reddy Kaukuntla, Glassdoor LLC, USA



Title: Unsupervised learning-based MIL annotation method for road quality assessment

11:50–12:10: Roland Nagy, University of Pannonia, Hungary



Title: Advancing Anomaly Detection in Sports Betting: Identifying AI Techniques for Operators to Detect Suspicious Activity

12:15–12:35: Matteo Farrugia, University of Malta, Malta



Title: Unlock the Potential of Data Science in People Analytics

12:40–13:00: Pan, L. (Lei) , FrieslandCampina, Netherlands

Lunch Break 13:05–13:45 @ Hotel Restaurants



Title: A novel algorithm for time series clustering

13:50–14:10: R. J. Kuo, National Taiwan University of Science and Technology, Taiwan

Panel Discussion

SESSION 2: FUTURE OF AI | GENERATIVE AI

Session Chair:

Session Introduction



Title: Navigating the Future: The EU AI Act's Role in AI and ML for Data Science

14:15–14:35: Sean Musch, AI & Partners, B.V, Netherlands



Title: Humble Lessons in AI Leadership: Navigating Hallucinations, Hype, and LLM meltdowns

14:40–15:00: Yonatan Alexander, Lasso Security



Title: Is Multi-Agent AI collaboration reshaping the Future of Software?

15:05–15:25: Tomas Sykora , Amazon Web Services, Germany



Title: AI Agents Use Cases in Industry: A Data-Driven Approach

15:30–15:50: Paraskevi Kivroglou, IU International University of Applied Sciences, Germany



Title: Personalizing Learning Through AI: Combining Reinforcement Learning, LLMs, and Recommendation Systems

15:55–16:15: Waha Noomene, Polytechnic University of Hauts-de-France

Coffee Break 16:20–16:40 @ Foyer

Panel Discussion

SESSION 3: AI ETHICS AND PUBLIC POLICY

Session Chair:

Session Introduction



Title: The Interplay of Privacy Protection and Application Compatibility in Platform Competition

16:40–17:00: Netnapha Chamnisampan, National Chin-Yi University of Technology, Taiwan



Title: Ensuring Responsible Development and Use of Artificial Intelligence in Modern Enterprises

17:05–17:25: Michael Charles Michael Borrelli, AI and Partners B.V., UK



Title: Challenges for Data Science on the European Union Law New Environment

17:30–17:50: Ricard Martínez Martínez, Universitat de Valencia, Italy



Title: The Interplay of Privacy Protection and Application Compatibility in Platform Competition

17:55–18:15: Ahmed Rafea, American University in Cairo, Egypt

Panel Discussion

DAY 2 – 17TH JUNE (TUESDAY)

Keynote Forum 09:00–11:40



Title: Leveraging Generative AI for Clinical Studies

09:00–09:20: Holger Fröhlich, Fraunhofer SCAI, Deutschland



Title: Interfacing Bayesian Statistics and Bayes Deep Learning

09:25–09:45: Pilz Jürgen, University of Klagenfurt, Austria



Title: Quantum Computing-Enhanced AI for Time Series Analysis: A Leap Beyond Classical Limitations

09:50–10:10: Jan Mikolon, QuantumBasel, Germany



Title: Which AI Should I Bet Your Life On? Risk Scoring in Healthcare AI

10:15–10:35: Jans Aasman, Franz Inc, US

SESSION 4: DATA ANALYSIS, STATISTICAL LEARNING & BIG DATA ANALYTICS

Session Chair:

Session Introduction



Title: Using Symbolic Regression to Derive Entropy Formulae for Multivariate Distributions

11:00–11:20:

Kurt Pflughoeft, Nicholas Butz, University of Wisconsin, USA



Title: The second Law of statistics from a dynamical systems perspective

11:25–11:45:

Alexandra Pinto, Hoursec, Netherlands



Title: Simulation done right – How to calibrate simulations with Bayesian Optimization techniques

11:50–12:10:

Gunar Ernis, Fraunhofer IAIS, Germany



Title: Utilization of artificial neural network-based ensemble modeling in phase 2 single-arm trials in rare and life-threatening disease

12:15–12:35:

Wonsuk Yoo, University of Miami, USA



Title: Data Observability & Reliability Engineering: Real-Time Imperative

12:40–13:00:

Nilanjan Chatterjee, AMD, USA

Lunch Break 13:05–13:45 @ Hotel Restaurants

Panel Discussion

SESSION 5: NLP, ML & DEEP LEARNING | PREDICTIVE ANALYTICS & VISUALIZATION

Session Chair:

Session Introduction



Title: An enhanced approach for symbol detection in P&ID using deep learning

13:50–14:10:

Yacine Lamari, Assystem, France



Title: Efficient Cross-Accelerator RLHF: A Service-Oriented Approach to Large-Scale Reinforcement Learning from Human Feedback

14:15–14:35:

Suvendu Mohanty, Amazon, USA



Title: Beyond the Button Test: Mastering B2B Experimentation in the Enterprise

14:40–15:00:

Liz Obermaier, Statsig, USA



Title: Putting the 'AI' in loyalty campaigns: automated performance predictions in Azure ML

15:05–15:25:

Jasper Küller & Yana Rubashkina, TCC Global, Netherlands



Title: Developing A Causal Inference Pipeline for Churn Reduction in Telecom Industry

15:30–15:50

Oliva Clara Fabiola, TIM, Italy

Panel Discussion

Coffee Break 15:55–16:15 @ Foyer

SESSION 6: POSTER PRESENTATION

Session Chair:

Session Introduction



Title: Bayesian Variable Selection for High-Dimensional Mediation Analysis: Application to Metabolomics Data in Epidemiological Studies

FYoungho Bae, Sungkyunkwan University, South Korea



Title: Categorization and Fault Detection of Electrical Systems with Machine Learning Approach

Hatice Ilgim Demirel Goruroglu, Gebze Technical University, Turkey



Title: Bayesian Variable Selection for High-Dimensional Mediation Analysis: Application to Metabolomics Data in Epidemiological Studies

Youngho Bae, Sungkyunkwan University, South Korea



Title: Two-part regression models with heterogeneous covariance matrix for semicontinuous longitudinal data

Ms. Jiwon Jo, Sungkyunkwan University, South Korea



Title: A latent space model for integrating multiple weighted networks

Ms. Soyeon Kim, Sungkyunkwan University, South Korea

DAY 3 – 18TH JUNE (WEDNESDAY)



Keynote Forum 09:00–11:00



Title: Is it only a technology challenge or should technology make the step to adapt to people's and researchers' needs and concerns?

09:00–09:20

Evdokimos Konstantinidis, Aristotle University of Thessaloniki, Greece



Title: Reversing Perception as the Truth – How Evidence Based Management has helped Rabobank

09:25–09:45

Elias Negrin, Rabobank, Netherlands



Title: AI-Powered Value Chains: Nice-to-Have or Business Imperative?

09:50–10:10

Milton MARTINEZ LUACES, Decathlon, France



Title: AI Agents in Action: Unlocking the Next Era of Intelligent Organizations

10:15–10:35

Ivana Nikolik, AtoS, Netherlands

Coffee Break 10:40–11:00 @ Foyer

SESSION 8: MACHINE LEARNING TECHNIQUES | BANKING & FINANCIAL INTERACTION

Session Chair:

Session Introduction



Title: E-Commerce Insights: ML & NLP in User Behavior Analysis

11:00–11:20

Zynab Piryae, Cemex, Germany



Title: Reinforcement Learning for Retro Games: DQN Strategies and Benchmarks for Broader Applications

11:25–11:45

Everton Job Souto Lima, Netherlands



Title: How LLMs could transform software interfaces

11:50–12:10

Luis Angel Tórtola Tejeda, Universidad Francisco Marroquín, Guatemala



Title: Integrating Intelligent Tutoring Systems and Critical Thinking

12:15–12:35

Claudia Cristina Lengua Cantero, Corporación Universitaria del Caribe, Colombia



Title: Detecting Stylistic Fingerprints of Large Language Models

12:40–13:00

Shai Nisan, Copyleaks, Germany

Panel Discussion

Lunch Break 13:05–13:40 @ Hotel Restaurants

SESSION 9: FUTURE TRENDS IN DATA SCIENCE

Session Chair:

Session Introduction



Title: Transferring Transfer Learning to a new level: Java

13:45–14:05

Dauwe Schimmel, Quintor B.V., Netherlands



Title: Overcoming the data trust issues: Distributed ownership and treating data as a product

14:10–14:30

Mahdi Karabiben, France



Title: The Surprising Complexity of Fueling an Aircraft: A Machine Learning Approach

14:35–14:55

Samuel McGuire, datatactics GmbH, Germany



Title: Will be updated soon...

14:35–14:55

Devesh Prasad, Troo LTD & University of Glasgow – Funded Innovate UK

Panel Discussion

SESSION 10: ARTIFICIAL INTELLIGENCE

Session Chair:

Session Introduction



15:00–15:20

Title: An AI-driven initiative to combat Language Endangerment: Introducing LEARN.

Ravi Dharani Kanna, Nanyang Technological University, Singapore



15:25–15:45

Title: Rapid Ethical Deliberation: How to integrate ethical aspects in the development and deployment of digital technology

Marc Steen, TNO, Netherlands



15:50–16:10

Title: The New European Union Law Framework: Challenges for data science

Ricard Martínez Martínez, University of Valencia, Germany



16:15–16:35

Title: Quantifying Emotional Influence in Human–Large Language Model Interaction: Evidence from an Experimental Framework

Francesca Fallucchi & Manul Gozzi, Guglielmo Marconi University, Italy

Panel Discussion

Coffee Break 16:40–17:00 @ Foyer

End of Day