

**DATA SCIENCE  
WEEK 2023**

**PEOPLE  
EVENTS**



**World Conference on**

# **DATA SCIENCE & STATISTICS**

**June 26–28, 2023 | Frankfurt, Germany**

## **CONFERENCE PROGRAMME**

<https://datascience.thepeopleevents.com/>

# CONFERENCE PROGRAMME

DAY 1 - JUNE 26, 2023

Hilton Garden Inn Frankfurt City Centre

08:00-08:45	<b>Registrations</b>
<b>Main 1</b>	
08:45-08:55	<b>Opening Ceremony</b>
<b>Keynote Forum</b>	
08:55 -09:00	<b>Guest Talk</b>
09:00-09:25	<b>Title: Fall in love machine learning and planet earth with dynamic learning: The new approach to training sustainable models</b> Giancarlo Cobino and Stephen McCreath, <i>Qvantia, Italy</i>
09:30-09:55	<b>Title: From the stock market to interior design, advanced AI startups are disrupting entire sectors like never before in history</b> Diego Cuadrado, <i>Clintell AI, Spain</i>
10:00-10:25	<b>Title: Adherence to reporting guidelines and structured reporting – low hanging fruits to improve research in the health sciences</b> Willi Sauerbrei, <i>University of Freiburg, Germany</i>
<b>Group Photo &amp; Coffee Break 10:30-10:50 @ Foyer</b>	
10:50-11:15	<b>Title: AI Regulations are coming. Are you ready?</b> Yunus Bulut, <i>Validaitor, Germany</i>
<b>Morning Session</b>	<b>Track: Data Science &amp; Technology   Applications of Data Science</b>
<b>Session Introduction</b>	
<b>Chair</b>	<b>Willi Sauerbrei, University of Freiburg, Germany</b>
11:20-11:40	<b>Title: Holistic view for data-driven decision making projects: A methodology using the exploded view to manage the data science lifecycle on the example of demand forecasting to optimize supply chain management in logistics</b> David Tiefenthaler, <i>foryouandyourcustomers München GmbH, Germany</i>
11:45-12:05	<b>Title: Development of a global research strategy: Digital measuring of equine assisted interventions based on WHO standards</b> Isabel Stolz, <i>German Sport University Cologne, Germany</i>
12:10-12:30	<b>Title: Deterministic versus nondeterministic optimization algorithms for the restricted boltzmann machine</b> Gengsheng Zeng, <i>Utah Valley University, USA</i>

12:35-12:55	<b>Title: Predicting individual media consumption with passive behavioral data</b> Tomer Zur, Harris Poll, USA
Lunch Break 13:00-13:45 @ Hotel Restaurants	
13:45-14:05	<b>Title: Usefulness of vaccine adverse event reporting system for machine-learning based vaccine research: A case study for COVID-19 vaccines</b> Bilal Muhammad Khan and Jennifer Jin, California State University, USA
14:10-14:30	<b>Title: AI-mining design for monitoring green house gases</b> Hanna Arini Parhusip, Universitas Kristen Satya Wacana, Indonesia
<b>Evening Session</b>	<b>Track: AL &amp; Machine Learning   Artificial Intelligence</b>
Session Introduction	
<b>Chair</b>	<b>Eric Peukert, Leipzig University, Germany</b>
14:35-14:55	<b>Title: How any organization can overcome data scarcity and biases: Synthetic data</b> Andrea Isoni, AI Technologies, UK
15:00-15:20	<b>Title: AI for Good: Applying Data Science for collective Good</b> Marijn Markus, Capgemini, Netherland
15:25-15:45	<b>Title: Stability of strained BaTiO3 predicted by machine learning</b> Jaichan Lee, Sungkyunkwan University, South Korea
15:50-16:10	<b>Title: Introducing ScaDS.AI: AI Research from Germany and current applications</b> Eric Peukert, Leipzig University, Germany
Coffee Break 16:15-16:40 @ Foyer	
16:40-17:00	<b>Title: Generative AI as a precursory and complimentary psychotherapy tool to augment Universal socio-economic well-being</b> Richard Beswick, Swiss Business School, Switzerland
17:05-17:25	<b>Title: Polycystic ovary syndrome detection using artificial intelligence: A systematic review and meta-analysis</b> Simrit Toor, St. George's University, Grenada
End of Day @ 18:00	

## DAY 2 - JUNE 27, 2023

08:00-08:55	<b>Registrations</b>
<b>Main 1</b>	
<b>Keynote Forum</b>	
09:00-09:25	<b>Title: Co2 emissions and sustainable development: Data driven assessment of economic and infrastructure indicators as predictors for carbon emissions</b> Antonio Crespo, Unica Community-Research-Learning Institute, Canada

09:30-09:55	<b>Title: The importance of bayesian statistics and decision theory in modern data science education</b> Jurgen Pilz, <i>University of Klagenfurt, Austria</i>
10:00-10:25	<b>Title: Make data more usable sharing success stories with HDRUK and the ONS</b> Adam Milward, <i>MetadataWorks, UK</i>
<b>Coffee Break 10:30-10:50 @ Foyer</b>	
10:50-11:15	<b>Title: Asia-Pacific Innovation in Pharmaceutical and Medical Device Industry</b> Mihajlo Jakovljevic, <i>Hosei University, Japan</i>
<b>Morning Session</b>	<b>Track: Big Data &amp; Analytics   Advanced Analytics   Databases &amp; Data Security</b>
<b>Session Introduction</b>	
<b>Chair</b>	<b>Antonio Crespo</b> , <i>Unica Community-Research-Learning Institute, Canada</i>
11:20-11:40	<b>Title: Predictive analytics for large-scale organized distribution: a case study in inventory management</b> Vittorio Maniezzo, <i>University of Bologna, Italy</i>
11:45-12:05	<b>Title: Deep Neural Networks (DNNs) On using Data Science and AI to understand how the brain processes information, and to bring those insights back into AI models</b> Gemma Roig, <i>Goethe University Frankfurt, Germany</i>
12:10-12:30	<b>Title: Cookies implementation analysis and the Impact on user privacy regarding GDPR and CCPA regulations</b> Kristina Jovic, <i>University of Belgrade, Serbia</i>
12:35-12:55	<b>Title: The Data-driven evolution journey</b> Andrea Gigli, <i>Italy</i>
<b>Lunch Break 13:00-13:45 @ Hotel Restaurants</b>	
13:45-14:05	<b>Title: During the Lebanese Crisis, Who is receiving higher education and where? A Social and Economic Data Analysis</b> Hatem Halaoui, <i>Researchers for Sustainable Society (RSS), Lebanon</i>
14:10-14:30	<b>Title: Post-SARS-CoV-2 irritable bowel syndrome: A systematic review and meta-analysis</b> Prakash V.A.K. Ramdass, <i>St. George's University, Grenada</i>
<b>Evening Session</b>	<b>Track: Deep Learning   New Data Management Technologies</b>
<b>Session Introduction</b>	
<b>Chair</b>	<b>Jurgen Pilz</b> , <i>University of Klagenfurt, Austria</i>
14:35-14:55	<b>Title: Quantum Technologies: Areas of improvement or how not to slide into quantum winter</b> Helena Liebelt, <i>Technical University Deggendorf, Germany</i>

15:00-15:20	<b>Title: Analyzing causal mechanisms with Bell's approach</b> Christoph Gallus, <i>Technische Hochschule Mittelhessen, Germany</i>
15:25-15:45	<b>Title: Implementation of deep learning algorithm to detect swiftlet's nest that classified into 7 categories based on feather intensity</b> Denny Indrajaya, <i>Satya Wacana Christian University, Indonesia</i>
15:50-16:10	<b>Title: Leveraging data science for predictive maintenance in military aviation: A statistical case study of the Portuguese Air Force's F-16 fleet</b> Maria Fontainha, <i>Portuguese Air Force Academy, Portugal</i>
<b>Coffee Break 16:15-16:35 @ Foyer</b>	
16:35-16:55	<b>Title: To BAN or Not to BAN: Bayesian attention networks for reliable text classification</b> Kristian Miok, <i>West University of Timisoara, Romania</i>
17:00-17:20	<b>Title: Rustaq: A robust machine learning algorithm to handle imbalanced dataset</b> Jamil Alshaqsi, <i>University of East Anglia, UK</i>
17:25-17:55	<b>Poster Presentations</b>
<b>End of Day 2 @ 18:00</b>	

## DAY 3 - JUNE 28, 2023

08:00-08:55	<b>Registrations</b>
<b>Main 1</b>	
<b>Keynote Forum</b>	
09:00-09:25	<b>Title: A dynamic traffic signal control method based on a multi-agent model for traffic flow facilitation</b> Satoshi Kurihara, <i>Keio University, Japan</i>
09:30-09:55	<b>Title: Ask yourself: Do you know what AI is?</b> Vladan Devedzic, <i>University of Belgrade, Serbia</i>
10:00-10:25	<b>Title: Data flow at scale: Converting to a change data capture pipeline</b> Mike Williamson, <i>Tradeshift, Denmark</i>
<b>Coffee Break 10:30-10:50 @ Foyer</b>	
10:50-11:15	<b>Title: Artificial intelligence assisted medical images analysis for disease prediction</b> Prasan Kumar Sahoo, <i>Chang Gung University, Taiwan</i>
<b>Morning Session</b>	<b>Track: Statistical Learning   Business Intelligence   Data Visualization</b>

Session Introduction

<b>Chair</b>	<b>Satoshi Kurihara</b> , <i>Keio University, Japan</i>
<b>11:20-11:40</b>	<b>Title: Artificial Intelligence running on the Blockchain with free will AI</b> <b>Lucas Agudiez Roitman</b> , <i>Free Will AI, USA</i>
<b>11:45-12:05</b>	<b>Title: Framework for analysis of propaganda within coordinated communities in Social Media</b> <b>Kristina Hristakieva</b> , <i>Accedia, Bulgaria</i>
<b>12:10-12:30</b>	<b>Title: Modyfing ChatGPT for solving consumer digital challenges</b> <b>Dimitar Ganev</b> , <i>Accedia, Bulgaria</i>
<b>12:35-12:55</b>	<b>Title: Developing imaging device and algorithm for detection of Flavescence dorée</b> <b>Marko Barjaktarovic</b> , <i>University of Trento, Italy</i>

Lunch Break 13:00-13:45 @ Hotel Restaurants

<b>13:45-14:05</b>	<b>Title: A health data analytics maturity model for hospitals information systems</b> <b>Alvaro Rocha</b> , <i>Universiy of Lisbon, Portugal</i>
<b>14:10-14:30</b>	<b>Title: Will be updated soon.</b> <b>Harco Guliker</b> , <i>BN AMRO Bank, Netherland</i>

Evening Session **Track: AI Ethics | Machine Vision**

Session Introduction

<b>Chair</b>	<b>Vladan Devedzic</b> , <i>University of Belgrade, Serbia</i>
<b>14:35-14:55</b>	<b>Title: AI ethics operationalization</b> <b>Alessandro Bonaita</b> , <i>Generali Corporate Pension Fund, Italy</i>
<b>15:00-15:20</b>	<b>Title: Bayesian framework for reporting night, day, and episodic building occupancy estimates</b> <b>Marie L. Urban</b> , <i>Oak Ridge National Laboratory, USA</i>
<b>15:25-15:45</b>	<b>Title: Will be updated soon.</b> <b>Abdulaziz AlQabbany</b> , <i>King Abdulaziz City for Science and Technology, Saudi Arabia</i>
<b>15:50-16:10</b>	<b>Title: Understanding Data Science: Can help now and in the future?</b> <b>Katerina Papagiannouli</b> , <i>Humboldt University of Berlin, Germany</i>

Coffee Break 16:10-16:30 @ Foyer

Award & Closing Ceremony @ 16:30

