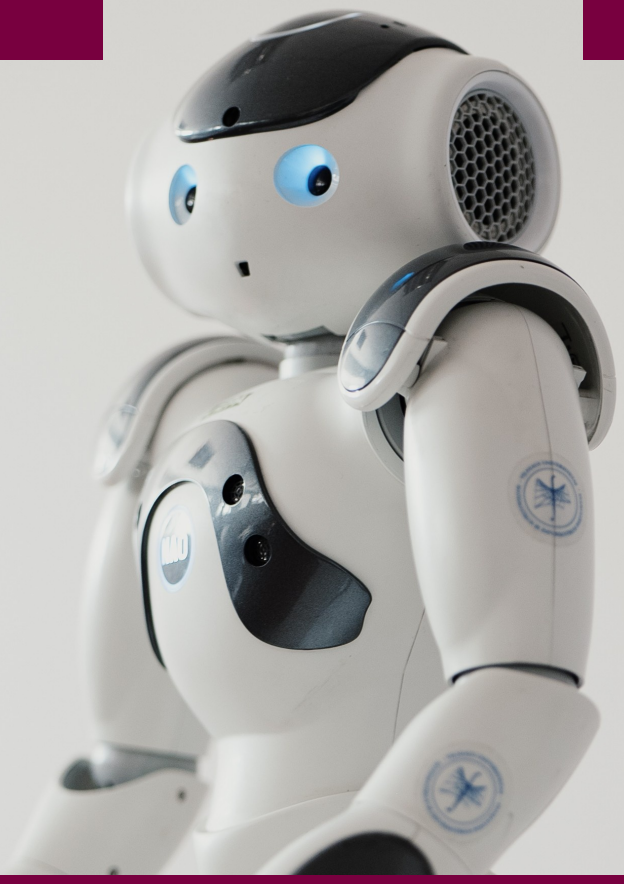
25th European Young Statisticians Meeting
Vilnius, Lithuania

Meeting Program



July 7-10, 2026

Vilnius University
Faculty of Mathematics and Informatics
Institute of Applied Mathematics

Schedule

Tuesday, July 7

08:00-09:00	Registration
09:00-09:30	Opening and welcome
09:30-10:30	Keynote lecture 1 **Dr. Geurt Jongbloed** Statistical Models with Shape Constraints
10:30-11:00	Coffee break
11:00-12:30	Talk session 1 Causal Inference & Treatment Effects
12:30-14:00	Lunch
14:00-15:30	Talk session 2 Explainable AI & Modern Machine Learning
15:30-16:00	Coffee break
16:00-17:00	Keynote lecture 2 **Dr. Carlos Escudero Liébana** C'mon Feel the Noise
17:30-20:00	Welcome reception

Wednesday, July 8

09:00-10:30	Talk session 3 Graphs, Networks & Structured Learning
10:30-11:00	Coffee break
11:00-12:00	Keynote lecture 3 **Dr. Balázs Csanád Csáji** Robust Uncertainty Quantification: from Resampling and Ranking to Stochastic Bandits
12:00-13:30	Lunch
13:30-15:00	Talk session 4 Robust Inference, Depth & Confidence Methods
15:00-15:30	Coffee break
15:30-17:00	Talk session 5 Hypothesis Testing & Dependence
17:00-18:00	Discussion panel Challenges of AI for Science and Society

Thursday, July 9

09:00-10:30	Talk session 6 Bayesian & Advanced Statistical Methodology
10:30-11:00	Coffee break
11:00-12:00	Keynote lecture 4 **Dr. Marta Gonzalez Garcia** Spatial Statistics and Topology in Star Formation
12:00-13:30	Lunch
13:30-15:00	Talk session 7 Statistical Theory & Estimation
16:00-17:00	Excursion
18:00-22:00	Conference dinner

Friday, July 10

09:00-10:30	Talk session 8 Finance, Risk & Econometrics
10:30-11:00	Coffee break
11:00-12:00	Keynote lecture 5 **Dr. Xiaocheng Shang** Improving the Stability of the Covariance-Controlled Adaptive Langevin Thermostat
12:00-13:30	Lunch
13:30-15:00	Talk session 9 Biology, Medicine & Environmental Applications
15:00-15:30	Coffee break
15:30-17:00	Talk session 10 Specialized Data Structures & Other Topics
17:00-17:30	Closing and farewell

Talks Sessions

Talk session 1 — Causal Inference & Treatment Effects

1. **Johan de Aguas** — Interpolated Stochastic Interventions Based on Propensity Scores, Target Policies and Treatment-Specific Costs
2. **Christine Winther Bang** — Causal Discovery with Tiered Background Knowledge
3. **Pedro Miranda-Afonso** — A Shared-Parameter Joint Modeling Framework for Predicting Dynamic Conditional Treatment Benefits from Observational Data
4. **Gherardo Varando** — Causal Inference using Staged Event Trees

Talk session 2 — Explainable AI & Modern Machine Learning

1. **Andrei Alexandru-Victor** — Beyond Black-Box Predictions: Explainability-Driven Early Warning for Electricity Price Spikes in Romania
2. **Delia Diaconu** — Explainable AI in Financial Fraud Detection: Evidence from the IEEE-CIS Fraud Dataset
3. **Willem Weyens** — Calibrated Debiased Machine Learning for Parameters without Mixed Bias Property
4. **Dániel Rácz** — From Control to Machine Learning: Generalization Bounds for Hypothesis Classes of Stable Models

Talk session 3 — Graphs, Networks & Structured Learning

1. **Konstantinos Bourazas** — Bayesian Binary Classification under Label Uncertainty with Network-Informed Gaussian Processes
2. **Adam Chojecki** — Identifying Network Hubs with the Partial Correlation Graphical LASSO
3. **Robin Rohlén** — Hierarchical Bayesian Recovery of Sparse Sources from Multichannel Signals
4. **Bahti Zakirov** — Meta-Learning Theory-Informed Inductive Biases using Deep Kernel Gaussian Processes

Talk session 4 — Robust Statistics, Depth & Confidence Methods

1. **Filip Bočinec** — Scatter Halfspace Depth: Recent Theoretical Advances
2. **Elena Bortolato** — Box Confidence Depth: Simulation Based Inference with Hyper Rectangles
3. **Janis Gredzens** — Beyond Means: Empirical Likelihood Confidence Bands for Quantile Comparisons
4. **Emīls Siliņš** — Statistical Inference for L-Estimators

Talk session 5 — Hypothesis Testing & Dependence

1. **Karolis Bartkus** — Changed Segment Detection in Functional Data via C-type Projection
2. **Bartłomiej Gibas** — The Post-hoc Test for Local Dependence
3. **Jelena Radojević** — Testing Independence of High-Dimensional Vectors in the Presence of Missing Data
4. **Chiara Gaia Magnani** — Collective Outlier Detection and Enumeration with Conformalized Closed Testing

Talk session 6 — Bayesian & Advanced Statistical Methodology

1. **Sophia Loizidou** — Construction of Optimal Tests for Symmetry on the Torus and their Quantitative Error Bounds
2. **Federica Milinanni** — Large Deviations for MCMC Sampling
3. **Daniele Tancini** — Marginal Likelihood for Intractable Hidden Markov Models
4. **Alina Tschirpke** — Non-Parametric Bayesian Estimation of Distance Distributions from ENDOR Data

Talk session 7 — Statistical Theory & Estimation

1. **Dieter Debrauwer** — Meanimile Regression: A General Class of Conditional Functionals
2. **Ioannis Oikonomidis** — Moment-type Estimators for the Dirichlet Distribution
3. **Grégoire Szymanski** — Estimation of the Invariant Measure of a Multidimensional Diffusion from Noisy Observations
4. **Florian Steinkamp** — The Asymptotic Distribution of Gromov–Wasserstein Based Barycenters

Talk session 8 — Finance, Risk & Econometrics

1. **Mantas Dirma** — On the Asymptotic Behaviour of the Haezendonck–Goovaerts Risk Measure for Sums with Consistently Varying Increments
2. **Georg Köstenberger** — Sharp Oracle Inequalities for Covariate Selection via the AIC
3. **Milla Laurikkala** — Data Driven Modeling of Multiple Interest Rates with Generalized Vasicek-type Models
4. **Roope Rihtamo** — Hedging Unpriced Risks

Talk session 9 — Biology, Medicine & Environmental Applications

1. **Elisabeth Sommer James** — Using the Phase-Type Distribution to Conduct Inference in Population Genetics
2. **Markéta Barać Makarová** — Investigation of Correlations Between Modules and Clinical Traits using Sparse Principal Component Analysis
3. **Ioannis Mavrogiannis** — Surrogate Model Comparison for Sensitivity Analysis and Uncertainty Quantification of Neutral Beam Injection Heating of Nuclear Fusion Plasmas
4. **Brian O'Sullivan** — Basis Function Embedding for Predicting Spatio-Temporal Climate Data

Talk session 10 — Specialized Data Structures & Other Topics

1. **Chiara Passamonti** — Estimating True Event-Time Distributions from Rounded Circular Records
2. **Dominik Mihalčič** — Multifractal Models for Taylor's Law
3. **Wieger Schipper** — Bootstrapping not under the null
4. **Leoni Carla Wirth** — Goodness-of-fit testing for point processes

Social Events

Welcome Reception

Participants will be transported by bus to a cozy restaurant for a welcome reception inspired by Lithuanian cuisine and local specialties. After the event, buses will return participants to the conference venue at Naugarduko St. 24.

Excursion

A guided tour of the historic Vilnius University building complex, located in the heart of the Old Town at Universiteto St. 3. The tour will provide an opportunity to explore one of the oldest and most distinguished universities in Eastern Europe.

Conference Dinner

The conference dinner will take place at *Grey Restaurant*, located in Vilnius Old Town at Pilies St. 2, next to the historic Vilnius University building complex. The dinner will offer an excellent opportunity for participants to socialize and network in a relaxed atmosphere.

Grand courtyard of Vilnius University