

STOCHASTIKA 2026 - program

Sunday, February 8

16:00 – 24:00 *Registration*

18:30 – 20:00 *Dinner*

20:00 – 24:00 *Social evening*

Monday, February 9

8:00 – 8:55 *Breakfast*

8:55 – 9:00 *Opening*

9:00 – 10:00 Morning session I (chairman: Zbyněk Pawlas):

9:00 – 9:30 Christian Pascal Hirsch: Functional central limit theorems for Laguerre tessellations

9:30 – 10:00 Martina Petráková: Point process convergence of large inradii of Poisson-Laguerre tessellation

10:00 – 10:30 *Coffee break*

10:30 – 11:30 Morning session II (chairman: Christian Pascal Hirsch):

10:30 – 11:00 Dominik Beck: Cluster expansion of dimer tilings

11:00 – 11:30 Zbyněk Pawlas: Statistical characteristics for orientations of symmetric objects

11:45 – 12:45 *Lunch*

13:00 – 16:00 *Discussion / work in groups / sports activities*

16:00 – 16:15 *Coffee break*

16:15 – 17:15 Afternoon session (chairman: Vesna Gotovac Đogaš):

16:15 – 16:45 Bogdan Radović: Dissimilarity assessment and classification of realisations of random sets

16:45 – 17:15 Jiří Dvořák: Bayesian inference for point processes and random sets: anisotropy, inhomogeneity and more

18:30 – 19:30 *Dinner*

19:30 – 24:00 *Social evening*

Tuesday, February 10

8:00 – 9:00 *Breakfast*

9:15 – 10:15 Morning session I (chairman: Viktor Beneš):

9:15 – 9:45 Phillip Gräfensteiner: Structure-property relationships for nickel-rich cathodes of lithium-ion batteries, using resistor network simulations based on micro-CT image data

9:45 – 10:15 Léon F. Schröder: Machine-learning-based stereology methods for predicting 3D microstructures from 2D images

10:15 – 10:45 *Coffee break*

10:45 – 11:15 Morning session II (chairman: Léon F. Schröder):

11:15 – 11:45 Miroslav Šimlaštík: Modeling of boundary propagation in polycrystalline materials

11:45 – 12:45 *Lunch*

13:00 – 16:00 *Discussion / work in groups / sports activities*

16:00 – 16:15 *Coffee break*

16:15 – 17:15 Afternoon session (chairman: Phillip Gräfensteiner):

16:15 – 16:45 Julius Baumhake: Testing for isotropy of function-valued random fields

16:45 – 17:15 Vesna Gotovac Đogaš: Topological data analysis for random sets

18:30 – 19:30 *Dinner*

19:30 – 24:00 *Social evening*



Wednesday, February 11

8:00 – 9:00 *Breakfast*

9:15 – 10:15 Morning session I (chairman: Petr Čoupek):

9:15 – 9:45 Bohdan Maslowski: On V -uniform ergodicity of stochastic infinite dimensional systems

9:45 – 10:15 Pavel Kříž: Hurst parameter estimation in discretely observed parabolic SPDEs

10:15 – 10:45 *Coffee break*

10:45 – 11:15 Morning session II (chairman: Pavel Kříž):

10:45 – 11:15 Volodymyr Sahan: Continuity of solutions to stochastic evolution equations driven by fractional processes in Banach spaces

11:45 – 12:45 *Lunch*

13:00 – 16:00 *Discussion / work in groups / sports activities*

16:00 – 16:15 *Coffee break*

16:15 – 17:15 Afternoon session (chairman: Bohdan Maslowski):

16:15 – 16:45 Filip Šťastný: Besov-Orlicz regularity of the Wiener rough path

16:45 – 17:15 Petr Čoupek: Differential equations driven by functions in exponential Besov–Orlicz spaces

18:30 – 19:30 *Dinner*

19:30 – 24:00 *Social evening*

Thursday, February 12

8:00 – 9:00 *Breakfast*

9:00 – 10:00 Morning session I (chairman: Jiří Dvořák):

9:00 – 9:30 Martin Šmíd: Modelling market microstructure by point processes

9:30 – 10:00 Viktor Beneš: Development of stereology, with some applications to materials

10:00 – 10:30 *Coffee break*

10:30 – 11:30 Daniela Flimmel: Final COST discussion - future involvement