Monday, June 25

8:30-10:00 10:00-11:15	Registration (hallway, 1st floor) Opening of the Conference (hall S9) Chair: Zbyněk Pawlas		
	Plenary talk Probabilistic analysis of geometric functionals of the Boolean model and the random	n connection m	odel by Günter Last
11:15-11:45	Coffee Break		
11:45-12:45	Stereology and geometric tomography (hall S9) Minisymposium organized by Jens Nyengaard, Chair: Markus Kiderlen		
11:45-12:15	Asymptotic variance of Newton-Cotes quadratures based on randomized sampling points by Mads Stehr		
12:15-12:45	The shape from moments problem: uniqueness and stability results by Markus Kide	erlen	
13:00-14:30	Lunch		
14:30-16:00	Quantitative analysis and stochastic modelling of microstructures I $({\tt hall ~S9})$	14:30-15:50	Contributed Session I (hall S4) Chair: Michaela Prokešová
	Minisymposium organized by Katja Schladitz, Chair		
14:30-15:00	Investigating the relationship between compaction load and the 3D microstructure of cathodes in lithium-ion batteries by $Benedikt\ Prifling$	14:30-14:50	Simulation-based quasi-likelihood estimation and its application in spatial statistics by <i>Felix Ballani</i>
15:00 - 15:30	Stochastic modeling of fiber-reinforced ultra high performance concrete based on 3D image analysis by Konstantin Hauch	14:50-15:10	Optimal estimation for the parameters of the disc process $by \ Petr \ Maha$
15:30 - 16:00	Optimisation of automatic segmentation of granular fragmented materials by Théodore Chabardès	15:10-15:30	Stochastic reconstruction for inhomogeneous point patterns by Jiří Dvořák
		15:30-15:50	Asymptotic normality of Horvitz-Thompson type statistics of weighted Voronoi model by Daniela Flimmel
		I	

16:00–16:30 Coffee Break

Monday, June 25

16:30-18:00	Quantitative analysis and stochastic modelling of microstructures II (hall $\ensuremath{\texttt{S9}}\xspace)$	16:30-17:30	Contributed Session II (hall S4) Chair: Jan Rataj
	Minisymposium organized by Katja Schladitz, Chair		
16:30-17:00	Characterising the (geometric) anisotropy of foams by André Liebscher	16:30-16:50	Functional inequalities for marked point processes by Nicolas Privault
17:00-17:30	Using a random field model to investigate how the transport properties of a porous material depend on its microstructure by Sandra Eriksson Barman	16:50-17:10	Gaussian processes with inequality constraints: methodology, theory and applications by Hassan Maatouk
17:30-18:00	Validation of a decurtaining algorithm for FIB-SEM images by Nikita Nobel	17:10-17:30	A strong law of large numbers for partial sum processes indexed by sets with applications to point processes by $Oleg\ Klesov$

Tuesday, June 26

9:00-10:30	Testing in spatial statistics (hall S9) Minisymposium organized by Tomáš Mrkvička
9:00 - 9:30	On global envelopes and multiple testing by Ute Hahn
9:30 - 10:00	A one-way ANOVA test for functional data with graphical interpretation by Mari Myllymäki
10:00-10:30	Multivariate functional data visualization and outlier detection by Wenlin Dai

10:30–11:00 Coffee Break

11:00-12:30	Similarity measures on random sets (hall S9)	11:00-12:00	Contributed Session I
	Minisymposium organized by Kateřina Helisová, Chair		Chair: Jiří Dvořák
11:00-11:30	Similarity of random sets based on convex compact approximations and envelope tests by Kateřina Helisová	11:00-11:20	Single particle raster ima by Marco Longfils
11:30-12:00	Similarity measures of random sets based on \mathcal{N} -distances and their applications to two-realisation problem by Vesna Gotovac	11:20-11:40	3D visualisation of spatia landmarks or shapes char by Voitěch Šindlář

12:00–12:30 Variance prediction in population size estimation by Ana Gomez

- 11:00-12:00 Contributed Session III (hall \$4) Chair: Jiří Dvořák
 11:00-11:20 Single particle raster image analysis of diffusion for particle mixtures
 - by Marco Longfils 11:20–11:40 3D visualisation of spatially smoothed biological signal recorded on landmarks or shapes characterised by (semi)landmarks
- by Vojtěch Šindlář
 11:40–12:00 3D modeling of a population of particles from 2D silhouette images of
 - two-phase flows by Mathieu de Langlard

Tuesday, June 26

12:40–12:50 Group Photo 13:00–14:30 Lunch

14:30-16:00	Covariance functions and point processes on the sphere and other non-Euclidean spaces (hall S9) Minisymposium organized by Jesper Møller, Chair
14:30-15:00	Regularities of Gaussian fields on spheres by Emilio Porcu
15:00 - 15:30	Isotropic random fields on graphs and their edges by Ethan Anderes
15:30 - 16:00	Point process models on the sphere by Ege Rubak
16:00-16:30	Coffee Break

16:30–17:30 Contributed Session IV (hall S9)

Chair: Victor Patrangenaru

16:30–16:50 Smeary limit theorems and high dimensional spheres by Stephan Huckemann

16:50–17:10 Non-asymptotic confidence sets for extrinsic means of shapes by Thomas Hotz

17:10–17:30 Kalman filter on Lie groups by Stefan Heyder

17:45-19:00 Poster Session + get-together (hallway, 1st floor)

The 2D characterization of pores shape in sintered material before and after deformation by Jacek Chrapoński

Uniqueness of the measurement function in Crofton's formula with lines by Rikke Eriksen

Statistical analysis of multivariate point patterns using a case-control approach by Kristian Bjørn Hessellund

Statistical analysis of the microstructure-stress relationship in elastically deforming polycrystal by Iva Karafiátová

Residual analysis for inhomogeneous shot-noise Cox processes by Michaela Prokešová

Quantitative evaluation of pores arrangement in sintered metallic material using systematic scanning and variance analysis by Stanisław Roskosz

The reconstruction of r-regular objects from images with or without noise by Helene Svane

A new definition of random sets by Irina Volchenkova

Wednesday, June 27

9:00-10:00	Plenary talk (hall 59) Phase transition for Gibbs point processes by David Dereudre
10:00-10:30	Coffee Break
10:30-11:30	Contributed Session V (hall S9) Chair: Jiří Janáček
10:30 - 10:50	Purkinje cells degeneration is accompanied with a smaller number of microvessels and higher response to stress by Yaroslav Kolinko
10:50-11:10	Geometrical properties of a skeletal structure of radiolarian Didymocyrtis tetrathalamus (Haeckel) by Takashi Yoshino
11:10-11:30	Connective tissue in porcine liver: differences in its distribution and sampling recommendations by Patrik Mik
11:30-13:00	Lunch
14:00-20:00	Excursion

Thursday, June 28

9:00-10:30	New methods and applications in shape analysis (hall S9)	
	Minisymposium organized by Stephan Huckemann, Chair	
9:00-9:30	Shape analysis for anisotropic fingerprint growth by Karla Markert	
$9:30{-}10:00$	Regression modelling for the size-and-shape of 2 and 3 dimensional objects by Alfred Kume	
10:00-10:30	Nonparametric extrinsic regression and anti-regression on projective shape manifolds by Victor Patrangenaru	

10:30–11:00 Coffee Break

Thursday, June 28

11:00-12:20	Contributed Session VI (hall S9) Chair: Mari Myllymäki	11:00-12:20	Contributed Session VII (hall S4) Chair: Karl-Anton Dorph-Petersen
11:00-11:20	Point processes on directed linear networks by Jakob Gulddahl Rasmussen	11:00-11:20	Stereological methods applied to leaf tissues, cells and organelles by Lucie Kubínová
11:20-11:40	Pair correlation functions and limiting distributions of iterated cluster point processes by Andreas Dyreborg Christoffersen	11:20-11:40	Design unbiased population size estimation with gigapixel images by $Marcos \ Cruz$
11:40-12:00	Structured space-sphere point processes and K -functions by Heidi Søgaard Christensen	11:40-12:00	Variance of isotropic systematic sampling on set with finite perimeter by $Ji\check{r}i$ Janáček
12:00-12:20	Refinements of the global envelope tests, with application on the General linear model of neuroimage data by Tomáš Mrkvička	12:00-12:20	Random measurable sets and their multicovariances by Jan Rataj
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13:00-14:30 Lunch

14:30-16:00	Modeling of polycrystalline materials and applications (hall S9) Minisymposium organized by Volker Schmidt, Chair
14:30-15:00	The Random marked tessellations from microstructures obtained by 3D EBSD by Jaromír Kopeček
15:00 - 15:30	Reconstruction of grains in polycrystalline materials from incomplete data using Laguerre tessellations by Lukas Petrich
15:30 - 16:00	Modelling and simulation of 3D random tessellations with geometrical interactions and an application to polycrystalline materials by Filip Seitl
16:00-16:30	Coffee Break
16:30-18:00	Random sets tessellating the space (hall S9) Minisymposium organized by Viktor Beneš, Chair
16:30-17:00	Stochastic grain models in 3D, based on the typical sell of stationary randim tessellations by Orkun Furat
17:00-17:30	Modeling and estimation for random marked tessellations by Zbyněk Pawlas
17:30-18:00	Estimation of geodesic tortuosity and constrictivity in stationary random closed sets by Matthias Neumann

19:00 Conference dinner

Friday, June 29

9:45-10:45	Contributed Session VIII (hall 39) Chair: Felix Ballani
9:45 - 10:05	Spatial patterning of posttraumatic stress, depressive and sleep disturbance symptoms trajectories following the 2001 World Trade Center disaster in New York City by Katarzyna Wyka
10:05-10:25	Modeling techniques for the exploration and visualization of space-time processes with complex structures by Dana Sylvan
10:25 - 10:45	Tortuosimetric descriptor for complex porous media characterization by Johan Chaniot

11:00–11:30 Coffee Break

11:30–12:30 Plenary talk – Closing lecture (hall S9) Neurostereology in psychiatry by Karl-Anton Dorph-Petersen

13:00 Lunch