

Introductory School “Geometric Statistics”

September 14 - 18, 2026

organized by

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Time measurement: CEST

• Monday, September 14

08:30 - 09:00	<i>Arrival and Registration</i>
09:00 - 09:05	<i>Welcome by HCM Managing Director Magdalena Balcerak Jackson</i>
09:05 - 10:05	Amy Willis (1/4) <i>Asymptotic Statistics on Stratified Spaces</i>
10:05 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Xavier Pennec (1/6) <i>Intrinsic Statistics on Riemannian Manifolds</i>
11:30 - 12:30	Xavier Pennec (2/6) <i>Manifold-valued Image Processing with SPD Matrices</i>
12:30 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Fernando Galaz-García (1/4) <i>Alexandrov and RCD Spaces: A User's Introduction</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Elton Hsu (1/5) <i>Stochastic Analysis on Manifolds</i>
afterwards	<i>Get-Together</i>

- **Tuesday, September 15**

09:00 - 10:00	Amy Willis (2/4) <i>Asymptotic Statistics on Stratified Spaces</i>
10:00 - 10:30	<i>Group Photo and Coffee break</i>
10:30 - 11:30	Xavier Pennec (3/6) <i>The Affine Geometric Settings for Statistics on Lie Groups</i>
11:30 - 12:30	Xavier Pennec (4/6) <i>Concentration of the Empirical Fréchet Mean: The Impact of Curvature</i>
12:30 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Elton Hsu (2/5) <i>Stochastic Analysis on Manifolds</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Fernando Galaz-García (2/4) <i>Alexandrov and RCD Spaces: A User's Introduction</i>

- **Wednesday, September 16**

09:00 - 10:00	Amy Willis (3/4) <i>Asymptotic Statistics on Stratified Spaces</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Elton Hsu (3/5) <i>Stochastic Analysis on Manifolds</i>
11:30 - 14:00	<i>Lunch break</i>
14:00 - 17:00	Social event (Potential hike to Drachenfels)

- **Thursday, September 17**

09:00 - 10:00	Fernando Galaz-García (3/4) <i>Alexandrov and RCD Spaces: A User's Introduction</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Xavier Pennec (5/6) <i>Parallel Transport to Analyse Longitudinal Deformations</i>
11:30 - 12:30	Xavier Pennec (6/6) <i>Barycentric Subspace Analysis</i>
12:30 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Elton Hsu (4/5) <i>Stochastic Analysis on Manifolds</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Special Session

- **Friday, September 18**

09:00 - 10:00	Amy Willis (4/4) <i>Asymptotic Statistics on Stratified Spaces</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Elton Hsu (5/5) <i>Stochastic Analysis on Manifolds</i>
11:30 - 11:45	<i>Break</i>
11:45 - 12:45	Fernando Galaz-García (4/4) <i>Alexandrov and RCD Spaces: A User's Introduction</i>