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## **Scientific program**

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## Day 1 (15th June)

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9:00-9:30	Registration
9:30-10:00	Opening ceremony
10:00-10:20	Statistics of Discrete Distributions on Manifolds: A Journey from the Karl Pearson Roulette Wheel Data to Some Smart Health Science Data <b>K. V. Mardia</b>
10:20-10:40	A Copula Model for Trivariate Circular Data <b>Shogo Kato</b>
10:40-11:00	Hidden Markov Random Field with Copula-Based Emission Distributions for the Analysis of Spatial Cylindrical Data <b>Francesco Lagona</b>
11:00-11:30	Coffee-break
11:30-11:50	PosterView 1
11:50-12:10	The FMM Approach to Model Oscillatory Signals. The Case of the Electrocardiogram <b>C. Rueda</b>
12:10-12:30	The Circular Structure of Oscillatory Signals: Applications with CPCA <b>Y. Larriba</b>
12:30-12:50	PosterView 2
12:50-13:10	Score Matching for Microbiome Compositional Data <b>J. L. Scealy</b>
13:10-13:30	Analogues on the Sphere of the Affine-equivariant Spatial Median <b>A. T. A. Wood</b>
13:30-15:30	Lunch
15:30-15:50	Chordal-Based Tests of Uniformity on the Hypersphere <b>E. García-Portugués</b>
15:50-16:10	Asymptotic Power of Sobolev Tests for Uniformity on Hyperspheres <b>T. Verdebout</b>
16:10-16:30	A Two-Sample Statistical Test for Directional Data <b>E. Gutiérrez-Peña</b>
19:30	Reception in Pazo de Fonseca

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## Day 2 (16th June)

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9:30-09:50	Geodesic Projection of the von Mises-Fisher Distribution for Projection Pursuit of Directional Data <b>S. Jung</b>
9:50-10:10	Directional Distributions and the Half-Angle Principle <b>J. Kent</b>
10:10-10:30	PosterView3
10:30-10:50	Adaptive Warped Kernel Estimation for Nonparametric Regression with Circular Responses <b>T. M. Pham Ngoc</b>
10:50-11:10	Bivariate Linear-Circular Panel Data Modelling with Flexible Random Effects <b>A. Maruotti</b>
11:10-11:40	Coffee-break
11:40-12:20	Poster Session
12:20-12:40	Robust Estimation with Wrapped Models for Torus Data <b>C. Agostinelli</b>
12:40-13:00	Regime Switching Models for Directional and Linear Observations <b>A. C. Harvey</b>
13:00-13:20	A Cauchy-Type Model for Data on the Cylinder <b>A. Pewsey</b>
13:20-15:30	Lunch
15:30-16:30	Old town of Santiago de Compostela walking visit
16:30	Social Activities

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**Day 3 (17th June)**

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9:30-9:50	From Topology of the Data Space to a Compatible Probabilistic Model <b>K. Sargsyan</b>
9:50-10:10	On a Nonparametric Version of the Circulas <b>J. Ameijeiras-Alonso</b>
10:10-10:30	Clustering Using Principal Nested Stratified Spheres with Application to SARS-CoV-2 RNA Structure <b>S. Huckemann</b>
10:30-10:50	Bayesian Inference for the Skew Fisher-von Mises-Langevin Model on the Sphere <b>C. Ley</b>
10:50-11:10	A Resampling-Based Assessment of Rotational Symmetry in Orientation Data <b>U. Genschel</b>
11:10-11:40	Coffee-break
11:40-12:00	Graphical Models for Circular Variables <b>A. Panzera</b>
12:00-12:20	Statistical Models and the Benford Hypothesis: A Unifying Framework <b>M. Di Marzio</b>
12:20-12:40	An Application of Square Root Transformation for Optimal Prior Selection <b>A. Kume</b>
12:40-13:00	Some Directional Models for Tree Branching Patterns <b>L.-P. Rivest</b>
13:00-13:20	On the Circular Median Absolute Deviation <b>G. Porzio</b>
13:20-15:30	Lunch
15:30-15:50	Geological Features, Parallel Lines and Circular Statistics <b>P. E. Jupp</b>
15:50-16:10	Spatial Quantiles on the Hypersphere <b>D. Paindaveine</b>
16:10-16:30	Closing ceremony
21:00	Conference dinner

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