Workshop on circular data modelling

November 24-25, 2016

Participants

Arthur Pewsey - University of Extremadura, Spain

Daniel Hernandez-Stumpfhauser - The University of North Carolina at Chapel Hill, US

Christophe Ley - Gent University, Belgium

Anna Sjostrom – Lund University, Sweden

Jose Ameijeiras - University of Santiago de Compostela, Spain

Ingmar Visser - University of Amsterdam, The Netherlands

Daan van Renswoude - University of Amsterdam, The Netherlands

Arnout Smit – University of Groningen, The Netherlands

Jolien Cremers – Utrecht University, The Netherlands

Kees Mulder - Utrecht University, The Netherlands

Pieter Jongsma - Utrecht University, The Netherlands

Inge Jansen - Utrecht University, The Netherlands

Irene Klugkist - Utrecht University, The Netherlands

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Location: Academy building Utrecht University (city centre utrecht; address: Domplein 29)

Thursday (Academy building, room Kernkampkamer)

9.00–9.30	Welcome and coffee
9.30–10.30	<u>Arthur Pewsey</u>: *An introduction to Circular Statistics*
11.00-11.45	<u>Kees Mulder</u>: *Bayesian isotropy testing*
11.45-12.30	<u>Arnout Smit</u>: *Circular parameters in time series with periodic patterns*
14.00-15.00	<u>Christophe Ley</u>: *Cylindrical Data Modelling*
15.00-15.45	<u>Jose Ameijeiras</u>: *Nonparametric tools for assessing the number of modes*
16.15-17.00	<u>Pieter Jongsma</u>: *Fitting mixtures of von Mises components with a reversible jump MCMC sampler*

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Friday morning (Academy building, room Opzoomkamer)

9.30–10.30	<u>Daniel Hernandez-Stumpfhauser</u>: *Analysis of circular data under the projected normal distribution*
11.00-11.45	<u>Jolien Cremers</u>: *Circular Interpretation of Projected Normal Regression Coefficients*
11.45-12.30	<u>Inge Jansen</u>: *Bayesian regression analysis of circular data using the wrapping approach*

Friday afternoon (Academy building, room Kernkampkamer)

14.00-14.45	<u>Arthur Pewsey</u>: *Circulas: copulas for circular random variables*
14.45-15.30	<u>Daan van Renswoude</u>: *Modelling Eye Movements with a Mixture of Von Mises Distributions*
15.30-16.15	<u>Anna Sjostrom</u>: *The Lattice Generalized Von Mises Distribution*