4th Workshop on Vine Copula Distributions and Applications

Programme: Day 1, Wednesday 11th May, 2011

8:30 -	**Registration open**
9:00 - 9:15	**Welcome and Introduction**
Session 1	**Vine PCCs and Computing Issues (Chair: Harry Joe)**
9:15 - 9:55	**Claudia Czado** Technische Universität München *The World of Vines*
9:55 - 10:20	**Kjersti Aas** Norwegian Computing Center *Faster C- and D-Vine Simulations*
10:20 - 10:45	**Ulf Schepsmeier and Eike C. Brechmann** Technische Universität München *CDVine: An R-package for statistical inference of C- and D- Vines*
Coffee Break	
Session 2	**Discrete Data and Bayesian Model Selection (Chair: Peter X.-K. Song)**
11:15 - 11:55	**Anastasios Panagiotelis** Technische Universität München *Pair Copula Constructions for Discrete Data*
11:55 - 12:35	**Michael S. Smith** Melbourne Business School *Estimation of Copula Models with Discrete Margins*
12:35 - 13:00	**Jakob Stöber** Technische Universität München *Markov Switching Vine Copulas*
Lunch	
Session 3	**Directed Acyclic Graph (DAG) Copulas (Chair: Thomas Klein)**
14:30 - 15:10	**Alexander Bauer** Technische Universität München *Pair Copula Constructions for Non-Gaussian DAG Models*
15:10 - 15:35	**Anca Hanea** Delft University of Technology *Parameter Estimation Using Dynamic Non Parametric Bayesian Networks*
15:35 - 16:00	**Tamás Szántai** Budapest University of Technology and Economics *Vine-Copulas as a Mean for the Construction of High Dimensional Probability Distribution Associated to a Markov Network*
Coffee Break	
Session 4	**Vine Regression and Tail Dependence (Chair: Roger Cooke)**
16:30 - 17:10	**Dorota Kurowicka** Delft University of Technology *Parametric and Non-parametric Vine Regression*
17:10 - 17:35	**Aristidis K. Nikoloulopoulos** University of East Anglia *Vine Copulas with Asymmetric Tail Dependence and Applications to Financial Return Data*
17:35 - 18:00	**Haijun Li** Washington State University *A Tail Density Approach in Extremal Dependence Analysis for Vine Copulas*
18:30-20:00	**Dinner and Poster Session**

4th Workshop on Vine Copula Distributions and Applications

Programme: Day 2, Thursday 12th May, 2011

Session 1 Truncated Vines and Estimation (Chair: Claudia Czado)

9:00 - 9:40	**Harry Joe** University of British Columbia *Truncated Vine and Factor Copula Models*
9:40 - 10:20	**Eike C. Brechmann** Technische Universität München *Truncated Regular Vines in High Dimensions with Application to Financial Data*
10:20 - 10:45	**Ingrid Hobæk Haff** Norwegian Computing Center *Comparison of Estimators for Pair-Copula Constructions*

Coffee Break

Session 2 Time-Varying Vines (Chair: Kjersti Aas)

11:10 - 11:35	**Ostap Okhrin** Humboldt-Universität zu Berlin *Local Estimation of Time-Varying Vines*
11:35 - 12:00	**Hans Manner** University of Cologne *Recent Developments in Time-Varying Copulas with Extensions to Vines*
12:00 - 12:10	**Short Break**

Session 3 Financial Applications of Vines (Chair: Hans Manner)

12:10 - 12:35	**Andrew Vesper** Harvard University *Extensions of the Pair-Copula Construction with Application to Default Correlation*
12:35 - 13:00	**Marco Geidosch** University of Regensburg *Application of PCC to Credit Portfolio Risk*

Lunch

Session 4 Vines and Spatial Applications (Chair: Michael Smith)

14:25 - 15:05	**Peter X.-K. Song** University of Michigan *Composite Estimating Equations in Geo-Vine-Copula Models for Spatially Clustered Data*
15:05 - 15:30	**Benedikt Gräler** University of Münster *Vine Copulas for Spatial Interpolation*
15:30 - 15:55	**Sander Vandenberghe** Ghent University *Making a Bridge Between 'Conditional Mixtures' and 'Vines' in a Hydrological Context*

Coffee Break

Session 5 Model Selection and Invariance (Chair: Dorota Kurowicka)

16:25 - 16:50	**Piotr Jaworski** University of Warsaw *On Vine Copulas Invariant Under Univariate Conditioning*
16:50 - 17:15	**Julius Schnieders** University of Cologne *Pair-Copula Constructions: Model Selection and Goodness-of-Fit*

17:15 Discussion and Closing - The Art of Vine (and Wine!) Making Reception