

Conference Program Overview

	Thursday, March 20	Friday, March 21	Saturday, March 22
	<p>08:00-08:45 Registration 08:45-09:00 Opening by R. Freund and G. Maier</p>		
09:00-10:00	<p>Plenary Session (Festsaal, first floor) Ross Ihaka <i>Colour for Presentation Graphics</i></p> <p>Douglas Bates and Saikat DebRoy <i>Converting a Large R Package to S4 Classes and Methods</i></p>	<p>Plenary Session (Festsaal, first floor) Brian Ripley <i>Spatial Statistics into Software: Past, Present, Future?</i></p> <p>Roger Bivand <i>Approaches to Classes for Spatial Data in R</i></p>	<p>Plenary Session (Festsaal, first floor) Bill Venables <i>What do Users Really Want in a Statistical Computing Environment?</i></p>
10:00-10:30	Coffee Break	Coffee Break	Coffee Break
10:30-12:30	<p>Bioinformatics Chair: Wolfgang Huber (Prechtsaal, ground floor)</p> <p>Visualization Chair: Simon Urbanek (Festsaal, first floor)</p>	<p>Spatial Statistics 1 Chair: Roger Bivand (Prechtsaal, ground floor)</p> <p>User Interfaces and Office Integration Chair: Philippe Grosjean (Festsaal, first floor)</p>	<p>Database Connectivity Chair: David James (Prechtsaal, ground floor)</p> <p>Applications Chair: Martin Mächler (Festsaal, first floor)</p>
12:30-14:00	Lunch	Lunch	Lunch
14:00-15:00	<p>Plenary Session (Festsaal, first floor) Robert Gentleman and Ross Ihaka <i>The R Foundation for Statistical Computing</i></p> <p>Peter Bühlmann <i>Boosting Methods: Why They can be Useful for High-Dimensional Data</i></p> <p>Jennifer Bryan <i>Visualization of Clustering Results Based on Resampling</i></p>	<p>Plenary Session (Festsaal, first floor) Steffen Lauritzen</p>	<p>Plenary Session (Festsaal, first floor) Luke Tierney <i>Some New Language Features for R</i></p>
15:00-15:30	Coffee Break	Coffee Break	Coffee Break
15:30-17:30	<p>Connectivity Chair: Peter Dalgaard (Prechtsaal, ground floor)</p> <p>Resample and Combine Methods Chair: Torsten Hothorn (Festsaal, first floor)</p>	<p>Spatial Statistics 2 Chair: Roger Bivand (Prechtsaal, ground floor)</p> <p>Graphs & Graphical Modeling Chair: Steffen Lauritzen (Festsaal, first floor)</p>	<p>Odds & Ends Chair: Douglas Bates (Festsaal, first floor)</p>
Evening			Conference Dinner at the Heuriger Mayer am Pfarrplatz

<p>Thu 20 08:45-09:00</p>	<p>Opening Rudolf Freund (chairman of the senate, Technische Universität Wien) Gunther Maier (vice rector for research, Wirtschaftsuniversität Wien)</p>
<p>Thu 20 10:30-12:30</p>	<p>Bioinformatics (Chair: Wolfgang Huber, Room: Prechtlssaal, ground floor)</p> <p>David O. Nelson <i>Evaluating Genotype-Phenotype Relationships in Complex Data Sets with Missing Data</i></p> <p>Chris Workman <i>Visualization of DNA Microarray Data Reveals Systematic Sources of Variability</i></p> <p>Stefanie Scheid and Rainer Spang <i>Estimating the Proportion of Non-Induced Genes</i></p> <p>Marcel Dettling <i>Revealing Predictive Gene Clusters in Microarray Data with Supervised Algorithms</i></p> <p>Florian Markowetz and Rainer Spang <i>Evaluating the Effect of Perturbations in Reconstructing Network Topologies</i></p> <p>Fatima Sanchez Cabo, Zlatko Trajanoski, Kwang-Hyun Cho and Olaf Wolkenhauer <i>A Graphical User Interface to Normalize Microarray Data</i></p>
<p>Thu 20 10:30-12:30</p>	<p>Visualization (Chair: Simon Urbanek, Room: Festsaal, first floor)</p> <p>Daniel Adler and Oleg Nenadic <i>A Framework for an R to OpenGL Interface for Interactive 3D Graphics</i></p> <p>David Meyer, Achim Zeileis and Kurt Hornik <i>Visualization of the Independence Problem with the Package `vcd`</i></p> <p>Paul Murrell and Kurt Hornik <i>Quality Assurance for Graphics in R</i></p> <p>Deepayan Sarkar <i>Lattice: Trellis Graphics in R</i></p> <p>Simon Urbanek and Martin Theus <i>iPlots for R: Interactive Java-based Graphics</i></p>
<p>Thu 20 15:30-17:30</p>	<p>Resample and Combine Methods (Chair: Torsten Hothorn, Room: Festsaal, first floor)</p> <p>Axel Benner <i>Survival Analysis Using Multiple Additive Regression Trees</i></p> <p>Adele Cutler <i>Graphics for Forests</i></p> <p>Torsten Hothorn <i>Bundling Predictors in R</i></p> <p>Andreas Weingessel <i>Ensemble Methods for Clustering</i></p>
<p>Thu 20 15:30-17:30</p>	<p>Connectivity (Chair: Peter Dalgaard, Room: Prechtlssaal, ground floor)</p> <p>Peter Dalgaard <i>The R-Tcl/Tk Interface -- Status and Perspectives</i></p> <p>Erich Neuwirth <i>R at the Elections: Election Night Forecasting and Analyses</i></p> <p>Simon Urbanek <i>Rserve -- A Fast Way to Provide R Functionality to Applications</i></p> <p>Gregory Warnes <i>RSOAP - A Simple SOAP Server for R</i></p>

<p>Fri 21 10:30-12:30</p> <p>15:30-17:30</p>	<p>Spatial Statistics (Chair: Roger Bivand, Room: Prechtlssaal, ground floor)</p> <p>C. Furlanello, M. Neteler, S. Merler, S. Menegon, S. Fontanari and A. Donini <i>GIS and the Random Forest Predictor: Integration in R for Tick-Borne Disease Risk Assessment</i></p> <p>V. Gómez Rubio, J. Ferrandiz and A. Lopez <i>Detecting Disease Clusters with R</i></p> <p>Barry Rowlingson, Adrian Baddeley, Rolf Turner and Peter Diggle <i>Rasp: A Package for Spatial Statistics</i></p> <p>Virgilio Gómez Rubio <i>RArcInfo: Using G.I.S. Data with R</i></p> <p>Edzer J. Pebesma <i>Gstat: Multivariable Geostatistics for S</i></p> <p>Paulo J. Ribeiro, Ole F. Christensen and Peter J. Diggle <i>Geostatistical Software -- geoR and geoRglm</i></p> <p>Albrecht Gebhardt <i>PVM-Kriging with R</i></p> <p>E. Glatzer and R. Müller <i>An Interactive Tool for Residual Diagnostics in Variogram Fitting (with Implementation in R)</i></p>
<p>Fri 21 10:30-12:30</p>	<p>User Interfaces & Office Integration (Chair: Philippe Grosjean, Room: Festsaal, first floor)</p> <p>Christian Ritter <i>Opportunities and Requirements for Open Source/Zero Cost Statistical Software in Companies Under Permanent Reorganization</i></p> <p>Uwe Ligges <i>R-WinEdt</i></p> <p>Thomas Baier <i>R: Windows Component Services, Integrating R and Excel on the COM Layer</i></p> <p>Thomas Baier and Erich Neuwirth <i>High-Level Interface Between R and Excel</i></p> <p>Balasubramanian Narasimhan <i>Prediction Analysis of Microarrays in Excel</i></p> <p>Philippe Grosjean <i>SciViews: An Object-Oriented Abstraction Layer to Design GUIs on Top of Various Calculation Kernels</i></p> <p><i>General Discussion</i></p>
<p>Fri 21 15:30-17:30</p>	<p>Graphs & Graphical Modeling (Chair: Steffen Lauritzen, Room: Festsaal, first floor)</p> <p>Jens Henrik Badsberg <i>More Complex Graph Computations for Undirected Graphical Models by the CoCo Bundle for R</i></p> <p>Susanne Bøttcher and Claus Dethlefsen <i>Learning Bayesian Networks with R</i></p> <p>Sylvia Frühwirth-Schnatter <i>Recent Direction Toward Improving Statistical Estimation Using MCMC Methods</i></p> <p>Martyn Plummer <i>JAGS: A Program for Analysis of Bayesian Graphical Models Using Gibbs Sampling</i></p> <p>Deborah F. Swayne, Andreas Buja and Duncan Temple Lang <i>Exploratory Visual Analysis of Graphs in GGobi</i></p>

Sat 22
10:30-12:30

Database Connectivity (Chair: David James, Room: Prechtlssaal, ground floor)

Vincent Carey
Databases and Bioinformatics: The Bioconductor Experience

Fei Chen and Brian Ripley
Statistical Computing and Databases: Distributed Computing Near the Data

Michael Mader
Database and R Interfacing for Annotated Microarray Data

Christian Stratowa
Distributed Storage and Analysis of Microarray Data in the Terabyte Range: An Alternative to BioConductor

Sat 22
10:30-12:30

Applications (Chair: Martin Mächler, Room: Festsaal, first floor)

Harald Fekjær and Odd O. Aalen and Ørnulf Borgan
Estimating Event Histories of Markov Chains Using Covariate

Stafano Iacus and Davide La Torre
Fractals and Statistics: An R package called 'ifs'

Alexandros Karatzoglou, Alex Smola, Achim Zeileis and Kurt Hornik
svlab -- A Kernel Methods Package

Josef Leydold and Wolfgang Hörmann and Günter Tirlir
Automatic Nonuniform Random Number Generation in R

Tomomi Takashina and Hanno Ackermann
R-Based Environment for Image Processing Algorithm Design

Sat 22
15:30-17:30

Odds & Ends (Chair: Douglas Bates, Room: Festsaal, first floor)

Henrik Bengtsson
The 'R.oo' Package -- Object-Oriented Programming with References Using S3/UseMethod

Vincent J. Carey
Practical Uses of External References

John W. Eaton and James B. Rawlings
Ten Years of Octave -- Recent Developments and Plans for the Future

Friedrich Leisch
Sweave and Beyond -- Computations on Text Documents

Jim Robison-Cox
Putting RGtk to Work