

**First Announcement**  
**Tenth International Workshop on Simulation and  
Statistics**

**Salzburg, September 2 – 6 2019**

The Faculty of Natural Sciences of the **Universität Salzburg** and the Department of Statistics of the **Alpen Adria Universität Klagenfurt** will organize the conference in collaboration with the Methodenzentrum Versuchspanung” of the **University of Natural Resources and Life Sciences, Vienna (BOKU)**, the Department of Statistical Modelling of **Saint Petersburg State University** and **INFORMS Simulation Society (USA)**. This international conference is devoted to statistical techniques in stochastic simulation, data collection and design and analysis of scientific experiments and studies representing broad areas of interest. The 1st- 6th Workshops took place in St. Petersburg (Russia) in 1994, 1996, 1998, 2001, 2005 and 2009. The Seventh International Workshop on Simulation took place in Rimini in May 2013, the Eighth Workshop took place in Vienna in September 2015, and the Ninth one takes place in Barcelona in June 25-29 2018.

The working language of the conference is English.

**Local Organizing Committee:**

**Workshop Topics:**

Methodology/algorithms for stochastic simulation

Monte Carlo and quasi Monte Carlo methods

Experimental design

Agricultural Statistics

Demography

Stochastic modelling in economics and finance

Stochastic modelling in physics, chemistry

and medicine

Environmental Statistics

Statistics in Psychology and Social Sciences

Extremes of random processes

Latent variable modelling

Nonparametric inference

Queues and other discrete-event systems

### **Scientific Program Committee:**

**Arne Bathke (Austria) )Chair**

**Jürgen Pilz (Austria) )Chair**

**Dieter Rasch (Austria) Chair**

**Viatcheslav Melas (Russia), Chair**

Ekaterina Bulinskaya (Russia)

Clemens Draxler (Austria)

Jesus Lopez Fidalgo (Spain)

Karl Mod er (Austria)

Werner Müller (Austria)

Victor de Oliveira (USA)

Markus Pauly (Germany)

Rainer Schwabe (Germany)

Session organizers pay a reduced fee, become members of the SPC, and are requested to arrange 3-4 talks (20 min + 5 min discussion) in their sessions while collecting titles and abstracts from the contributors. It is possible to organize two or more sessions by the same person. Suggestions for organizing sessions should be sent to

**Dieter Rasch (dieter.rasch@boku.ac.at)**

Authors should submit electronic versions of abstracts of papers (1-2 pages) by **February 20, 2019** to

**Arne.Bathke@sbg.ac.at**

A special issue with selected papers will be prepared for the **Journal of Statistical Theory and Practice**. We try to publish the special issue before the conference. For this, the papers have to be submitted no later than **September 30, 2018** to the journal – special information for this follow in the second anno.

Furthermore, a conference proceedings volume of selected and peer-reviewed papers will be negotiated with Springer. To guarantee timeliness publication of this volume we expect the full papers to be submitted to the SPC no later than **October 31, 2019**.

**Sessions:** (preliminary)

**Session** Optimal Design of Experiments **Organizer:** Jesus Lopez Fidalgo (Spain)

**Session** Inference for Complex Multivariate Designs -- Enhanced Procedures and open questions I **Organizer:** Arne Bathke (Austria)

**Session** Inference for Complex Multivariate Designs -- Enhanced Procedures and open questions II **Organizer:** Markus Pauly (Germany)

**Session** Statistical Machine Learning – Methods and Applications  
**Organizer:** Jürgen Pilz (Austria)

**Session** Experimental Design – Theory and Application **Organizer:** Karl Moder (Austria)

**Session** Recent Advances on Modelling and Analysis of Geostatistical Data  
**Organizer:** Victor De Oliveira (USA)

**Session** Likelihood-free Statistical Design and Inference **Organizer:** Werner Müller (Austria)

**Plenary Session Key Note Speaker** Christian Robert (France, UK)