

International Workshop on Regime-Switching Models in Finance: Statistics and Optimization

22nd and 23rd November 2013, Kaiserslautern, Germany

**Fraunhofer Institute for Industrial Mathematics ITWM
University of Kaiserslautern**

Scope and purpose

Regime-switching models are a popular way to take into account the changing conditions in financial markets. Allowing for regime shifts governed by an underlying Markov chain adds flexibility to models. Realistic features of observed time series can often be captured within such a model setting. There is a broad variety of models with regime shifts in finance, starting from hidden Markov models in discrete time to continuous-time Markov switching models. Their applications cover various topics including portfolio optimization problems or interest rate modeling.

The workshop aims to bring together researchers working in the area of regime-switching models in financial mathematics and statistics to provide a platform to share knowledge and increase further research collaborations.

Topics covered include:

- Filtering problems
- Robustness of estimation algorithms
- Clustering and model selection
- Change point analysis
- Financial modeling, asset allocation and portfolio optimization

Invited speakers

Luc Bauwens, Université Catholique de Louvain, Belgium

Christian Hennig, University College London, UK

Stefano Iacus, University of Milan Bicocca, Italy

Rogemar Mamon, University of Western Ontario, Canada

Thorsten Schmidt, Chemnitz University of Technology, Germany

Ralf Wunderlich, Brandenburg University of Technology Cottbus, Germany

Submission

If you wish to contribute to a session, please submit an abstract by 18th October 2013. The abstract shall be sent via Email to fm.info@itwm.fraunhofer.de (notification of acceptance by 24th October 2013).

Scientific board and organizing committee

Jürgen Franke, University of Kaiserslautern

Peter Ruckdeschel, Fraunhofer ITWM

Jörn Saß, University of Kaiserslautern

Christina Erlwein-Sayer, Fraunhofer ITWM

Joseph Tadjidje Kamgaing, University of Kaiserslautern

Conference Venue

Friday, 22nd November and Saturday, 23rd November, 10:00-17:00

at Fraunhofer ITWM, Fraunhofer Platz 1, 67663 Kaiserslautern, Germany

www.itwm.fraunhofer.de/FM

Registration and Conference Costs

Researchers, practitioners as well as other interested parties are invited to register for participation by 31st October 2013.

The fee for the workshop is 160 € for practitioners, 100 € for academics and 60 € for students. It includes all materials, lunch and coffee breaks on both days.

To register or if you have any further questions, please send an Email to fm.info@itwm.fraunhofer.de