

SALZBURG MATHEMATICS COLLOQUIUM

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„Compatibility of scenarios and scenario-based risk evaluation“

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Abstract:

We aim to bridge the gap between a few practical considerations in risk measurement for internal management and external regulation, by providing a unified risk measure framework to take into account three relevant issues: statistical and simulation tractability (typically results in a law-based risk measure), model uncertainty and scenario sensitivity (typically results in a non-law-based risk measure), and robustness (could be either law-based or not). Along the way of our study, the compatibility issue of scenarios arises naturally, with somewhat surprising mathematical implications. This talk resembles part of (unfinished) joint research projects with Damir Filipovic, Yi Shen, Jie Shen, Bin Wang, and Johanna Ziegel.

Thursday, **15:00-15:45**

Hörsaal 414, 1. Stock