

## Program of the Conference

The first week (July 28th – August 1st)

Kyoto University Clock Tower Centennial Hall

### July 28th (Mon.)

- 9:45–10:15 Registration
- 10:15–10:30 **President of the Mathematical Society of Japan**  
Opening remark
- 10:30–11:20 **Cédric Villani**, École Normale Supérieure de Lyon,  
Lecture 1  
Optimal transport in geometry
- 11:20–11:40 Tea
- 11:40–12:30 **Terry J. Lyons**, University of Oxford, Lecture 1  
Rough paths — A story in non-commutative analysis
- 12:30–14:00 Lunch
- 14:00–14:50 **Martin T. Barlow**, University of British Columbia  
Uniqueness of Brownian motion on the Sierpinski carpet
- 15:00–15:30 **Max von Renesse**, Technische Universität Berlin  
Entropic measure and Wasserstein diffusion
- 15:40–16:10 **Tsuyoshi Kato**, Kyoto University  
A dynamical pattern formation, tropical geometry and  
informative entropy
- 16:10–16:40 Tea
- 16:40–17:30 **Roland Friedrich**, Max-Planck-Institute für Mathe-  
matik  
The global geometry of stochastic Loewner evolutions

### July 29th (Tue.)

- 10:00–10:50 **Cédric Villani**, École Normale Supérieure de Lyon,  
Lecture 2  
Optimal transport in geometry
- 10:50–11:10 Tea
- 11:10–12:00 **Shigeki Aida**, Osaka University, Lecture 1  
Rough path analysis: An introduction
- 12:00–14:00 Lunch