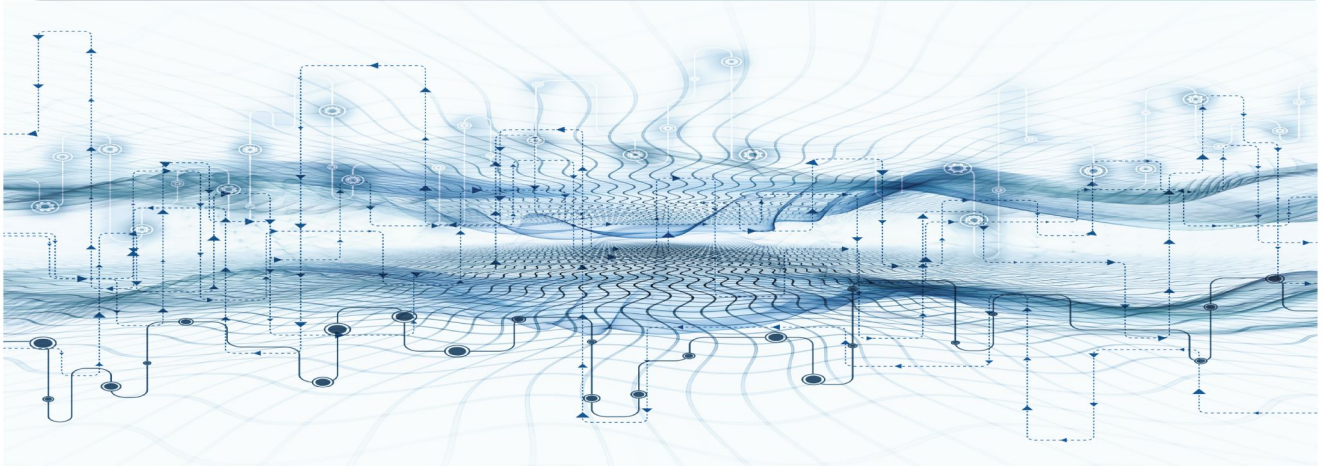




Workshop on the Theory and Applications of Stochastic Partial Differential Equations



June 10 - 14, 2019 at **THE FIELDS INSTITUTE**

The area of stochastic partial differential equations (SPDEs) has been growing steadily in the past 30 years, providing new techniques for analyzing complex systems whose behaviour is subject to random perturbations. SPDEs can be used for modelling a wide range of physical phenomena, encountered in statistical mechanics, mathematical physics, theoretical neuroscience, fluid dynamics and mathematical finance.

In addition to talks given by world-experts in this area, the workshop will contain 4 expository lectures (of 90 minutes each) given by internationally renowned researchers Robert Dalang (École Polytechnique Fédérale de Lausanne) and David Nualart (University of Kansas), intended for graduate students and researchers who are not experts in the field.

INVITED SPEAKERS

Hakima Bessaih, *University of Wyoming*

Anne de Bouard, *École Polytechnique*

Sandra Cerrai, *University of Maryland*

Le Chen, *University of Nevada*

Xia Chen, *University of Tennessee*

Carsten Chong, *EPFL*

Aurélien Deya, *Institut Elie Cartan*

Mohammud Foondun, *University of Strathclyde*

Yaozhong Hu, *University of Alberta*

Jingyu Huang, *University of Birmingham*

Davar Khoshnevisan, *University of Utah*

Kunwoo Kim, *Postech, Korea*

Khoa Lê, *Imperial College London*

Annie Millet, *Université Paris 1*

Carl Mueller, *University of Rochester*

Erkan Nane, *Auburn University*

Jeremy Quastel, *University of Toronto*

Markus Riedle, *King's College London*

Francesco Russo, *ENSTA-ParisTech*

Marta Sanz-Solé, *Universitat de Barcelona*

Xiaoming Song, *Drexel University*

Samy Tindel, *Purdue University*

Ciprian Tudor, *Université Lille 1*

Yimin Xiao, *Michigan State University*

ORGANIZING COMMITTEE

Raluca Balan, *University of Ottawa*

Lluís Quer-Sardanyons, *Universitat Autònoma de Barcelona*

Jian Song, *University of Hong Kong*

For more information, please visit: <http://www.fields.utoronto.ca/activities/18-19/SPDEs>



THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

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