

Key dates

Special sessions submission	Jan. 18, 2018
Contributed abstracts submission	Feb. 05, 2018
Acceptance notification	Feb. 13, 2018
Registration starts	Feb. 13, 2018
End of early bid registration	Mar. 30, 2018
Speaker registration deadline	May 12, 2018
Conference	July 1-6, 2018
Proceedings submission	Dec. 15, 2018

13th International Conference in Monte Carlo & Quasi-Monte Carlo Methods in Scientific Computing

July 1-6, 2018

Rennes, France

<http://mcqmc2018.inria.fr/>

Organizing Committee

- Bruno Tuffin (France, Inria), Chair
- Pierre L'Ecuyer (Inria & U. Montreal)
- Gerardo Rubino (France, Inria)
- Edith Blin (France, Inria)
- Fabienne Cuyollaa (France, Inria)

The MCQMC Conference is a biennial meeting on Monte Carlo and quasi-Monte Carlo methods. It usually attracts 150 to 200 mathematicians, computer scientists, statisticians and researchers in related fields.

Steering Committee

- Alexander Keller (Germany, NVIDIA), Chair
- Josef Dick (Australia, U. New South Wales)
- Fred J. Hickernell (USA, Illinois IT)
- Aicke Hinrichs (Austria, JKU Linz)
- Pierre L'Ecuyer (Canada, U. Montréal)
- Art Owen (USA, Stanford U.)
- Friedrich Pillichshammer (Austria, JKU Linz)

Topics

- Monte Carlo, quasi-Monte Carlo, Markov chain Monte Carlo
- Digital nets and lattice rules
- Discrepancy theory
- Complexity and tractability of multivariate problems
- Multi-level Monte Carlo
- Sequential Monte Carlo and particle methods
- Rare event simulation
- Randomized quasi-Monte Carlo
- Variance reduction methods
- MC/QMC methods in physics, chemistry, finance, computer graphics and other areas

Scientific Committee

- Zdravko Botev (Australia, U. of New South Wales)
- Hector Cancela (Uruguay, U. of the Republic)
- Frédéric Cérou (France, Inria)
- Nicolas Chopin (France, ENSAE)
- Ronald Cools (Belgium, KU Leuven)
- Josef Dick (Australia, U. New South Wales)
- Arnaud Doucet (UK, Oxford)
- Paul Dupuis (USA, Brown U.)
- Mike Giles (UK, Oxford)
- Mark Girolami (UK, U. Warwick)
- Paul Glasserman (USA, Columbia U.)
- Peter Glynn (USA, Stanford U.)
- Michael Gnewuch (Germany, Kiel)
- Emmanuel Gobbet (France, Polytechnique)
- Takashi Goda (Japan, U. Tokyo)
- Arnaud Guyader (France, U. Paris 6)
- Stefan Heinrich (Germany, U. Kaiserslautern)
- Fred J. Hickernell (USA, Illinois IT)
- Aicke Hinrichs (Austria, JKU Linz)
- Wenzel Jakob (Switzerland, ETH and Disney)
- Alexander Keller (Germany, NVIDIA)
- Dirk Kroese (Australia, U. Queensland)
- Frances Kuo (Australia, U. New South Wales)
- Gerhard Larcher (Austria, JKU Linz)
- Christian Lecot (France, U. Savoie)
- Pierre L'Ecuyer (Canada, U. Montréal)
- Christiane Lemieux (Canada, Waterloo)
- Faming Liang (USA, U. Florida, Gainesville)
- Makoto Matsumoto (Japan, Hiroshima)
- Eric Moulines (France, Polytechnique)
- Thomas Mueller-Gronbach (Germany, Passau)
- Harald Niederreiter (Austrian Acad. Sciences)
- Erich Novak (Germany, Jena)
- Dirk Nuyens (Belgium, KU Leuven)
- Art Owen (USA, Stanford U.)
- Gareth Peters (UK, U. College London)
- Friedrich Pillichshammer (Austria, JKU Linz)
- Klaus Ritter (Germany, Kaiserslautern)
- Gerardo Rubino (France, Inria)
- Wolfgang Schmid (Austria, Salzburg)
- Ian Sloan (Australia, U. New South Wales)
- Raul Tempone (Saudi Arabia, KAUST)
- Xiaoqun Wang (China, Tsinghua)
- Grzegorz Wasilkowski (USA, U. Kentucky)
- Henryk Wozniakowski (USA, Columbia)

Plenary speakers

- Christophe Andrieu (Bristol, UK)
- Pierre Henry-Labordere (Societe Generale, Paris, France)
- Eric Moulines (Ecole Polytechnique, France)
- Marvin Nakayama (NJIT, USA)
- Barry Nelson (Northwestern University, USA)
- Friedrich Pillichshammer (JKU Linz, Austria)
- Clémentine Prieur (Inria, France)
- Christoph Schwab (ETH Zurich, Switzerland)

Call for Submissions

MCQMC 2018 is planned to feature about 150 talks in addition to the above plenary ones. The additional talks are organized in 30 minute time slots, including 5 minutes for questions and speaker turnaround. Each person may speak at most once at MCQMC 2018 with the exception of invited and tutorial speakers. You will be asked to email your proposals to mcqmc2018@inria.fr. The proposal submission instructions are detailed on the web page <http://mcqmc2018.inria.fr/>. There will be a post-conference submission of papers to the proceedings.

There are two types of submission.

Special sessions/minisymposia: We invite proposals for minisymposia also called special sessions. These consist of 3 or 4 high quality talks on a closely related theme. The speakers should represent at least two different institutions and preferably more. If you have more than 4 speakers in mind, please split the session into multiple sessions with one organizer each. The first talk in each session should include some introductory material to provide motivation and background to the audience. The organizer of a minisymposium should send a proposal to mcqmc2018@inria.fr, which should include the names and affiliations of the speakers and describe the session's topic, due by the date in the web page above. There is a separate, later deadline for the abstracts in a minisymposium.

Contributed talks: We also invite individuals to propose talks. Individuals' talks will be grouped into sessions by topic.