2008 Stochastic Modeling Symposium

CALL FOR PAPERS

Canadian Institute of Actuaries

Institut canadien des actuaires

Following the success of the previous Stochastic Modeling Symposiums, the Canadian Institute of Actuaries (CIA) will be sponsoring a fourth symposium on December 1 and 2, 2008, at the Hilton Montréal Bonaventure. At the time of drafting this notice, actuarial organizations agreeing to co-sponsor the symposium included the Financial Reporting Section of the Society of Actuaries (SOA) and the Joint Risk Management Section of the CIA, SOA and CAS.

The overall theme for the symposium will be “Practical Financial and Actuarial Applications of Stochastic Models.” The symposium and this Call for Papers will focus on the following topics as they apply to insurance companies, other financial institutions and pension plans:

- Use of stochastic models in catastrophic risk management;
- Use of stochastic models in the valuation of pension plans and measurement of retirement risk;
- Use of stochastic models in asset valuation and forecasting market risk (interest rates, equity returns and others);
- Use of stochastic models in non-financial risk (mortality, morbidity, lapses and others);
- Use of stochastic models in evaluation of economic capital; and
- Use of stochastic models in variable annuities.

The symposium’s goal is to identify and promote leading edge practical applications for stochastic modeling. The question we seek to answer is “How can we make use of stochastic modeling in our day-to-day work?”

ARE YOU UP FOR THE CHALLENGE?

The papers submitted in response to this Call for Papers will be considered for the 2008 Stochastic Modeling Symposium. Academics, researchers and practitioners are all encouraged to submit papers for the symposium. Authors of accepted papers will be invited to present their papers at the symposium. The Organizing Committee expects to publish accepted papers in the symposium proceedings and to refer outstanding papers to the *North American Actuarial Journal*.

Cash prizes will be awarded for the best papers submitted.

TARGET AUDIENCE

The symposium is open to all professionals interested in stochastic modeling and it is not restricted to members of the CIA. The specific target audience is made up of:

- Actuaries, professional risk managers, financial economists, financial engineers and consultants.
- These actuaries will be working in different sectors such as pension plans, life and casualty insurance companies and all other financial sectors.

SUBMISSION OF PAPERS

Submission Guidelines:

- Authors are encouraged to submit both original research and expository papers summarizing relevant material from the existing literature. There is no minimum length requirement for papers.
- The paper must be written in French or English.
- Submissions that have a copyright must be accompanied by written permission to reprint.
- Submissions should include an abstract no longer than one page.

Deadline for Submission:

Timely submission of papers is critical to the success of the symposium. Authors are advised to communicate with any member of the Organizing Committee as soon as possible about their intentions to contribute and submit an abstract before **February 29, 2008**.

All papers should be submitted by **June 1, 2008** via e-mail to stochastic@actuaries.ca

Acceptance of Submitted Paper:

All submissions will be reviewed by the Scientific Committee. Submissions will be accepted, accepted subject to revision, or declined. The Scientific Committee is scheduled to complete its evaluation by **August 1, 2008**. Authors will have until **October 1, 2008** to review the comments from the Scientific Committee and submit their final paper.

PUBLICATION AND PRESENTATION

The CIA reserves the right to publish all papers and to copyright all published papers without a previous copyright. In addition, excerpts or synopses of the papers may be published for promotional purposes. It is anticipated that the papers will be posted on the CIA website. The papers may also be published in symposium proceedings. Authors can submit their papers to other publications provided the CIA maintains the right to publish the papers.

USE OF PAPERS IN PUBLIC POLICY FORUMS

All papers will be made available to the public. The CIA reserves the right to use the individual papers for working on public policy matters.

Authors will be asked to sign a "Permission to Publish" form allowing the CIA to post the paper on its website. Authors are encouraged to submit working templates in spreadsheet form for models or methods discussed or developed in their papers, and/or PowerPoint presentations incorporating the details of the paper's calculations. The spreadsheets and presentations will be posted on the CIA website along with the paper.

QUESTIONS

Please direct questions regarding this Call for Paper to the Organizing Committee at the following link: 2008_SMS_OC@actuaries.ca.