

Christiane Rousseau
President of the Canadian Mathematical Society, 2002-2004
Mathematics Professor

Mathematics is all around us: thousands of ideas, thousands of faces.

“As a professor at the Université de Montréal

I do research in dynamical systems, systems evolving in time.

I enjoy working with students and future teachers to make them aware of the applications of mathematics which surround us.”

“I invite you to meet a collection of Canadian Mathematicians and see the work they do, people for whom mathematics is a passion and an art of living.”

Their profiles can be viewed at

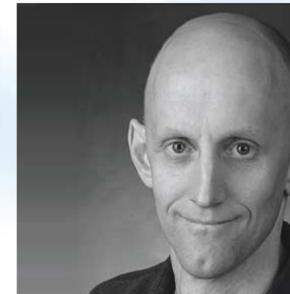
www.cms.math.ca/careers/



NATHALIE SINCLAIR
MATHEMATICS EDUCATION

“What I enjoy most about mathematics is seeing patterns and structures...”

“...I really feel like I learned most of my mathematics while teaching middle school students. As I looked for resources and ideas I discovered all this exciting mathematics on the Internet like fractals, topology, cryptography and much more.”



JOHN FYFE
CLIMATOLOGY

“My own work ... frequently involves mathematical principles and tools that I acquired as an undergraduate student in Mathematics.”

“I conduct research in climate modeling, variability and predictability. The overall purpose of the research is to understand atmospheric and oceanic changes that have occurred in the past, and to predict changes that might occur in the future.”



BRIGITTE JAUMARD
OPERATIONS RESEARCH

“For me, mathematics is a working tool, ...a tool that allows me to explore new domains...”

“I currently work on a variety of problems in telecommunications (network optimization, frequency assignment, routing in satellite networks), in chemical engineering (control of pulp washers in the paper industry), artificial intelligence (reasoning under uncertainty), health management (diagnosis clustering systems, efficiency measurement), and more.”



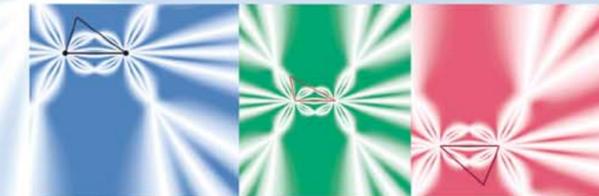
DAVIDSON HEATH
RISK ANALYSIS

“Math to me is a field more creative than any other.”

“I'm responsible for risk management policy and models related to Commodities at BMO. More and more the business world is recognizing that risk management and risk modelling are a fundamental part of modern finance and a powerful strategic tool.”

MATHEMATICIANS at work

On the poster are five innovative mathematicians.
Where will your ideas and innovations lead?



The background graphic was generated using a procedure that Nathalie Sinclair devised to explore an unsolved problem concerning triangles. To learn more go to MathCentral.uregina.ca/graphic/