

92nd
APEGNB ANNUAL MEETING

Engineering New Money:

*The Art & Science
in Canada's Banknotes*

February 17, 2012

Clarion Hotel and Conference Centre
Edmundston NB

LIVE VIDEO STREAMING for those who can't attend!

www.nbtvtoday.com/LIVE



ENGINEERS
GEOSCIENTISTS

New Brunswick

www.apegnb.com

PROGRAM

ONLY \$80 to attend ALL events!

REGISTER ONLINE today at www.apegnb.com (news & events)

FRIDAY, FEBRUARY 17, 2012

Clarion Conference Centre

TIME	ACTIVITY	LOCATION
7:30 – 9:30 a.m.	Annual Meeting Registration Desk	Lobby
9:30 – 11:30 a.m.	Professional Development <i>Engineering New Money: The Art & Science in Canada's Banknotes</i>	République AB
12:00 – 1:30 p.m.	Recognition Luncheon	République C
2:00 – 5:00 p.m.	Annual Meeting	République AB
6:00 – 7:00 p.m.	Reception	Lobby
7:00 – 11:00 p.m.	Awards Banquet	République AB

“ APEGNB's Northwestern Branch and the City of Edmundston is proud to host our **92nd Annual Meeting**. Against the stunning backdrop of the Republic of Madawaska, the day officially begins with a professional development session led by **Ted Garanzotis** from the Bank of Canada. You may have seen him on the Discovery Channel's Daily Planet or in the newspaper over the past few months explaining Canada's switch to environmentally friendly and counterfeit-resistant **polymer banknotes**. These banknotes **evoke the country's spirit of innovation** and celebrate Canada's achievements at home, around the world and in space. (We'll even be among the first to see the new \$50 bill which won't be released nationally until March 2012.)

At lunchtime we will recognize our newest Life Members before heading into our Annual Meeting. Join us in the evening for the Awards Banquet in honour of our 2012 APEGNB award recipients. We hope you'll be here in person on February 17th, but if you can't make it to Edmundston, make sure you visit www.nbtvtoday.com/live throughout the day. It's a free on-line tv channel that will broadcast our entire Annual Meeting in high-quality video!

*Mireille Vautour, P.Eng.
Chair, 2012 Annual Meeting Committee*

FEATURE PRESENTATION:

Engineering the New Money: The Art & Science in Canada's Banknotes



Ted Garanzotis, MSc—Electrical Engineering Program Manager/Head Scientist
Banknote Technology Research
Bank of Canada

” Ted Garanzotis joined the Bank of Canada's currency development team in 2004. Most recently, he led the technical team that developed the next generation series of Canadian polymer banknotes. He now manages the Banknote Technology Research Program, looking at current and emerging counterfeiting threats, assessing the effectiveness of security solutions to address these threats, and researching and developing new security features for banknotes.

He holds a Masters degree in electrical engineering. Prior to joining the Bank of Canada, he worked in the telecommunications industry, with industrial R&D experience in the areas of fibre-optic optical system design, optoelectronic device design and semiconductor materials science.

PRESENTATION HIGHLIGHTS:

- Overview of the design, production and distribution of banknotes in Canada
- Who is involved, what is the scale and cost, some fun facts and statistics.
- Counterfeiting of Canadian banknotes: a short history
- A look at security features in banknotes
- Designing a secure banknote: what is involved?
- An overview of banknote production technology and banknote lifecycle testing.
- An overview of the banknote distribution system
- The demand for banknotes, quality control, the role of machines
- Canada's new polymer banknotes
- The future of cash

