

A Final Report on:

Seventh Annual Bluenose Numerical Analysis Day, June 23rd, 2006

St. Francis Xavier University, Antigonish, Nova Scotia

On June 23rd, faculty and students from 5 major Nova Scotia Universities (St Francis Xavier, Dalhousie, Acadia, Cape Breton and Saint Mary's) involved in numerical research and scientific computing met to share research ideas and interests. This event consisted of 10 speakers giving either 20 or 40 minute presentations including Peter Forsyth, the invited speaker from the University of Waterloo, and Greg Lukeman, CTO of ACEnet at St. Francis Xavier University [Greg also provided a tour of the new computing facilities for all attendees]. Opening remarks for this event were provided by Dr. William Marshall, Dean of Science at St. Francis Xavier University and recipient of the 2005-2006 University Research Award (received while being Dean) and Dr. Jeffrey McNally, host organizer from St. Francis Xavier University. Speaking faculty members from Atlantic Canada included George Chen (CBU), Ronald Haynes (Acadia), Paul Muir (SMU) and Patrick Keast (Dal). In addition, four student speakers from StFX and Acadia gave 20 minute presentations on their areas of research in mathematics, computer science and physics.

This year's event was attended by about 35 researchers whom were able to present and discuss important research ideas in both pure and applied areas of numerical analysis and scientific computing. Some of the included topics were matrix analysis, derivation of differential equations packages, Antarctic Circumpolar Current, and dynamic hedging of asset pricing in finance. Support for this year's event was primarily provided by AARMS with other financial and physical support coming from ACEnet, Acadia University and of course St Francis Xavier University. I would also like to thank Prentice Hall for providing some prize books for our presenting students.

Jeff McNally