

Workshop on

Mathematical Knowledge Management: Sustainability, Scalability and Interoperability

Dalhousie Faculty of Computer Science: April 26-28, 2007

Sponsors: Dalhousie Faculty of Graduate Studies, Dalhousie D-Drive, MathResources Inc, AARMS

Report: The purpose was to discuss various issues of knowledge management in the mathematical sciences and to explore opportunities for further interaction between the projects represented at the workshop. There were five working sessions, not standard conference presentations. There were roughly 15 participants external to Dalhousie and ten from Dalhousie. Each half-day session each beginning with a 45 minute presentation by the session organizer (integrating material from others) followed by general discussion, interaction and working groups for the rest of the session. There was intentionally plenty of time for other discussions.

Dan Lozier (NIST) offered an informal seminar on the soon-to-be completed NIST [Digital Library of Mathematical Functions](#). The general program was as described on the conference [website](#). The five diverse sessions stimulated many cross-disciplinary discussions (participants included statisticians, computer scientists, software engineers, library scientists, mathematicians and private sector vendors) and have led to a variety of new projects and bilateral activities. The participants uniformly reported being very pleased with the format and content of the workshop.