

The 27<sup>th</sup> Annual Meeting of

# PME-NA

North American Chapter of the International Group  
for the Psychology of Mathematics Education

October 20-23, 2005  
Roanoke, Virginia

Frameworks that Support Research and Learning

Hosted by



VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY



## Preface to the 2005 PME-NA Proceedings

It is with excitement that we at Virginia Tech have brought technological advancement to the 27<sup>th</sup> annual meeting of PME-NA. For the first time in the history of PME-NA, the conference Proceedings are entirely electronic. Upon registration in Roanoke, conference participants received this CD-ROM containing the Proceedings – instead of the paper volumes traditionally distributed at PME-NA meetings. An extensive program booklet, including abstracts for each session, was distributed at the conference so that participants could make informed decisions about session attendance. In addition, participants were able to browse binders containing complete printed copies of the Proceedings during the meeting. An online set of Proceedings<sup>1</sup> was also available prior to the conference.

Users of this CD-ROM have the ability to access conference reports by viewing and selecting from (1) the daily conference schedules, (2) a list of presenters and their sessions, and (3) a list of session topics and themes. Links allow users to read, print, or download individual reports (.pdf files). It is our hope that the electronic Proceedings (both CD-ROM and online) offer PME-NA participants, and the larger mathematics education community, flexibility and easy access to all reports from the PME-NA meeting in Roanoke.

The contents of the Proceedings relate to the PME-NA 27 theme, "Frameworks that Support Research and Learning." The Proceedings include plenary reports by John Mason and Denise Mewborn, 12 working group and discussion group reports, 99 research reports, 55 short oral reports, and 41 poster descriptions. Proposals for working groups, discussion groups, research reports, short orals, and posters were submitted electronically to All Academic's online system. Proposals were reviewed by 2-3 reviewers and, based on the peer reviews, acceptance decisions were made by the editors and the Virginia Tech Planning Committee. Full papers were submitted electronically and edited for uniform formatting and style throughout the Proceedings.

The Proceedings of PME-NA 27 are dedicated to the memory of James Kaput, an internationally renowned mathematics education leader who died tragically on July 31, 2005. Jim's personal and professional contributions are described in a commemorative paper that begins the Proceedings. In remembrance of Jim, his name appears in all of his accepted sessions and papers in the PME-NA program and Proceedings. Jim's participation in this and future PME-NA meetings will be greatly missed.

The quality of these Proceedings has been enhanced greatly by the contributions and support of many people and organizations. The voluntary PME-NA peer reviewers and the 2004-2005 PME-NA Steering Committee helped to shape a high quality and intellectually demanding conference program. The staff at All Academic provided excellent support throughout the review process, paper submission, and the development of the program and Proceedings. We thank the Virginia Tech School of Education, Department of Mathematics and College of Science, and Continuing and Professional Education at Virginia Tech for the many resources that enabled the development of these Proceedings. Finally, enormous gratitude is owed to the Virginia Tech Planning Committee, particularly to those graduate students who devoted themselves for over a year to the many preparations for the PME-NA conference and the production of these Proceedings.

The Editors

Gwendolyn M. Lloyd, Editor in Chief  
Melvin (Skip) Wilson  
Jesse (Jay) L. M. Wilkins  
Stephanie L. Behm

October 2005

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<sup>1</sup> [http://convention2.allacademic.com/index.php?cmd=pmena\\_guest](http://convention2.allacademic.com/index.php?cmd=pmena_guest)

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