International Conference on the Teaching of Mathematics

Samos (Greece), July 3–6, 1998

Scope

The main objective of the International Conference is to examine new ways of teaching undergraduate mathematics. It will provide a unique and centralized forum and bring together faculty members from various countries who are committed to introducing and using innovative teaching methods. The conference will be of great interest to mathematics faculty as well as to anyone in the teaching and learning process of undergraduate mathematics.

Conference themes

The converence presentations will be centered around the following themes:

- *Educational research*: Results of current research in mathematics education and assessment of student learning
- *Technology:* Effective integration of computing technology (calculators, computer algebra systems, WWW, and Internet resources) into the undergraduate math curriculum
- *Innovative teaching formats:* Innovative ways of teaching undergraduate mathematics courses: cooperative and collaborative learning styles
- *Distance learning:* Distance learning technologies for teaching and learning mathematics. Current hardware/software delivery media, educational materials and assessment of student learning
- *Specific courses:* Reform efforts in specific mathematics courses and assessment of results
- *Other disciplines:* The effects of changes in the teaching of mathematics courses on other disciplines (what are the mathematical needs of client disciplines; interdisciplinary courses)

Invited speakers

Maria Demertzis (University of Strathclyde, UK), Els Feijs, Jan de Lange (Freudenthal Institute, The Netherlands), Andrew Gleason (Havard University, USA), Colette Laborde (Université Joseph Fourier – CNRS, France), Stelios Negrepontis (University of Athens, Greece), Jan Persens (University of the Western Cape, South Africa), David Tall (Warwick University, UK), Jerry Uhl (University of Illinois, USA), Bert Waits, Frank Demana (The Ohio State University, USA), Erich Ch. Wittmann (Universität Dortmund, Germany).

Conference chair and co-chairs

Ignatios Vakalis (Capital University, Columbus, OH, USA): Chair

Nicolas Hadjisavvas (University of the Aegean, Samos, Greece): Co-chair

Deborah Hughes-Hallett (Harvard University, Cambridge, MA, USA): Co-chair

General Information

The program of the International Conference on the Teaching of Mathematics will include:
 a) invited speakers
 b) contributed paper sessions
 c) poster sessions
 d) technology workshops.

The proceesings of the conference will be published by John-Wiley (in paper format) and will be available at the conference site.

For further information please contact:
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 or
　http://icg.fas.harvard.edu/~samos98

CIEAEM 50

Neuchâtel (Switzerland), August 2–7, 1998

Relationships between classroom practice and research on didactics of mathematics

CIEAEM (Commission internationale pour l'étude et l'amélioration de l'enseignement des mathématiques) is the first reflection group created at the international level on the theme of mathematics education. It was established in 1950, in the post-war years, by the joint initiative of mathematicians, psychologists and educators, and by a society undergoing rapid technological evolution. With one meeting a year, the commission provides an opportunity for an increasing number of participants, confronted by innovations in their subject, to build necessary links and contacts on a national and international level. One of the aims of the CIEAEM is to improve dialogues between researchers and educators in all fields of practice. This is precisely the theme of its 50th meeting.

Plenary sessions, working groups, oral representations, workshops and exhibitions will allow participants from different locations to exchange their points of view, to present their work and to build up relationships with numerous colleagues from a variety of specializations.

The two official languages of the conference are English and French. It is envisaged that abstracts, transparencies and other texts written in the second language will assist understanding.

For further information please contact:
　CIEAEM 50
　IRDP
　C. P. 54
　CH-2007 Neuchâtel 7
　E-mail: francois.jaquet@irdp.unine.ch
　Internet: http://www.unine.ch/irdp/cieaem/

ATCM '98
Third Asian Technology Conference in Mathematics

Tsukuba (Japan), August 24–28, 1998

Computer technology in mathematical research & teaching

ATCM'98 will provide an interdisciplinary forum where researchers and teachers in education, mathematics and mathematical sciences using computer technology, together with researchers and developers of computer technology, can present results and exchange ideas and information.

The conference will cover a broad range of topics on the relevancy of technology in mathematical research and teaching. These include but are not limited to:
1) computer-aided mathematics teaching
2) computer algebra (systems) in research and teaching
3) distance learning
4) graphing calculators
5) mathematical research and teaching using technology
6) numerical analysis.

The conference will consist of
a) plenary sessions by invited speakers,
b) parallel sessions by contributed papers,
c) tutorial sessions on software and hardware relevant to mathematical research and teaching
d) exhibition of books, software and hardware.

For further information see:
http://www.math.tsukuba.ac.jp/~atcm/
or contact:

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Vorschau auf Analysethemen der nächsten Hefte

Für die Analysen der Jahrgänge 30 (1998) und 31 (1999) sind folgende Themen geplant:
– Mathematik und Frieden
– Fächerübergreifender Unterricht
– Demokratie und Mathematikunterricht
– Analysis an Hochschulen
– Mathematik in der Ingenieurausbildung.

Vorschläge für Beiträge zu o.g. Themen erbitten wir an die Schriftleitung.

Outlook on Future Topics

The following subjects are intended for the analysis sections of Vol. 30 (1998) and Vol. 31 (1999):
– Mathematics and peace
– Cross curricular activities
– Democracy and mathematics education
– Calculus at universities
– Mathematics and engineering education.

Suggestions for contributions to these subjects should be addressed to the editor.