



PME 32
PME-NA XXX

**FIRST ANNOUNCEMENT
JOINT MEETING OF PME 32 AND PME-NA XXX**

Center for Research and Advanced Studies - IPN
and
Michoacán University of Saint Nicholas of Hidalgo
Morelia, Michoacán, Mexico
17th - 21st, July, 2008

**Mathematical Ideas:
History, Education and Cognition**



Table of Contents

Welcome	1
Dates	1
Committees of the Joint Meeting of PME 32 and PME XXX	1
The Program Committee	1
The Local Organizing Committee (LOC)	2
LOC - UMSNH Component	2
LOC – National Component	2
PME 32 – PME-NA XXX Conference Secretariat	2
Background of PME	2
The Constitution of PME	3
Honorary Members of PME	3
Present Officers of PME	3
Other Members or the International Committee	3
PME Administrative Manager	4
Background of PME-NA	4
The Constitution of PME-NA	4
Steering Committee	4
The Scientific Program	5
Plenary Sessions	5
Research Forum	5
Research Reports	6
Short Oral Communications	6
Poster Presentations	7
Group Activities	7
Discussion Groups	7
Working Sessions	7
Table of Research Categories	8
Reviewers	9
Specific Guidelines	9
Research Forum Guidelines for PME32 – PME-NA XXX	9
Research Report Guidelines	9
Short Oral Communication and Poster Presentation Guidelines	10
Discussion Group and Working Session Guidelines	10
The Papers and Guidelines for Proposals	10
Format of Papers and Files	11
Submitting the Proposal	12
Equipment	12
Early Bird Procedure for Research Reports and Short Oral Communications	12
How to get there?	13
Accommodation	13
Hotel Accommodation	14
Map	15
PME 32-PME-NA XXX Conference Fee	15
Accompanying Persons	16
Conference Registration and Payment Processes	16
Registration	16

Payment	16
Credit card	16
Bank Transfer	16
Conference Deposit	18
Payment Balance of the Registration Fee	18
Late Registration Fee	18
Cancellation Policy	18
Passport and Visa	19
Electricity	19
Weather	19
Liability and Insurance	19
Time	19
Letters of Invitation	19
Richard Skemp Memorial Support Fund	20
Call for Donations to Skemp Fund	20
Important Reminders of Dates for PME 32 and PME-NA XXX	20
Table of Deadlines	21
Activities	21
Deposit and registration	21
For 2009 Conference	21



Welcome

Olimpia Figueras (Chair of PME 32), Armando Sepúlveda (Chair of the Local Organizing Committee) and José Luis Cortina (Chair of PME-NA XXX) invite you to the beautiful city of Morelia in the name of the Community of Mexican Mathematics Educators.

The **Joint Meeting of PME 32 and PME-NA XXX** will take place at the Michoacán University of Saint Nicholas of Hidalgo (UMSNH) and it is supported by the Center for Research and Advanced Studies – IPN (Cinvestav).

The theme of the conference is **Mathematical Ideas: History, Education and Cognition**.

We look forward to seeing you in Mexico in July.



Dates

Registration will take place on the 17th of July at 11:00 in *Colegio de San Nicolás* (see map on Accommodation section of this announcement, page 15).

First Plenary Address and Opening Reception will take place on the 17th of July at 18:00 at *Centro de Convenciones y Exposiciones de Morelia*.

The last session will be at 15:00, on Monday, July 21st at *Teatro Melchor Ocampo*.

ICME in Monterrey, Mexico ends on the 13th of July, 2008 (website <http://icme11.org>).
PME 33 will take place in Greece, 2009.



Committees of the Joint Meeting of PME 32 and PME-NA XXX

Two committees are responsible for the organization of the Joint Meeting of PME 32 and PME-NA XXX:

The Program Committee

Fou-Lai LIN	National Taiwan Normal University (Taiwan) President of PME
Olimpia FIGUERAS	Cinvestav (Mexico) Chair of PME 32
José Luis CORTINA	Universidad Pedagógica Nacional (Mexico) Chair of PME-NA XXX
Silvia ALATORRE	Universidad Pedagógica Nacional (Mexico)
Marcelo C. BORBA	Unesp (Brazil)
Jo Clay OLSON	Washington State University (United States of America)
Teresa ROJANO	Cinvestav (Mexico)
Marianna TZEKAKI	Aristotle University of Thessaloniki (Greece)

The Local Organizing Committee (LOC)

Armando SEPÚLVEDA Michoacán University of Saint Nicolas of Hidalgo (Mexico)
Chair of LOC

LOC – Michoacán University of Saint Nicolas of Hidalgo Component

Carlos CORTÉS
Roberto GARCÍA
Lourdes GUERRERO
Ángel HERNÁNDEZ
Verónica VARGAS

LOC - National Component

Eugenio FILLOY	Cinvestav
Ramiro ÁVILA	Universidad de Sonora
Patricia BALDERAS	Universidad Nacional Autónoma de México
Tenoch CEDILLO	Universidad Pedagógica Nacional
Cesar CRISTOBAL	Universidad de Quintana Roo
Alejandro DIAZ-BARRIGA	Sociedad Matemática Mexicana
Arturo HERNÁNDEZ	Instituto Tecnológico de Ciudad Madero
Verónica HOYOS	Universidad Pedagógica Nacional
Armando SOLARES	Instituto Latinoamericano de Comunicación Educativa
Guillermo TINOCO	Universidad Autónoma del Estado de Morelos
María TRIGUEROS	Instituto Tecnológico Autónomo de México



PME 32 - PME - NA XXX Conference Secretariat

Guadalupe GUEVARA
Department of Mathematics Education
Cinvestav
Avenida Instituto Politécnico Nacional 2508
San Pedro Zacatenco, México, D.F. 07360, MEXICO
Phone (+52 55) 5061 3800, Ext. 6030
Fax: (+52 55) 5051 3820
jmpme-na@cinvestav.mx

The Joint Meeting of PME 32 and PME-NA XXX has a website at <http://www.pme32-na30.org.mx> where you can find updated information.



Background of PME

The International Group for the Psychology of Mathematics Education (PME) is an autonomous body, governed as provided for in the constitution. It is an official subgroup of the International Commission for Mathematical Instruction (ICMI).

PME came into existence at the Third International Congress on Mathematics Education (ICME3) held in Karlsruhe, Germany in 1976. Its former presidents have been Efraim Fischbein (Israel), Richard R. Skemp (United Kingdom), Gerard Vergnaud (France), Kevin F. Collis (Australia), Pearla Neshet (Israel), Nicolas Balacheff (France), Kathleen Hart (United Kingdom), Carolyn Kieran

(Canada), Stephen Lerman (United Kingdom), Gilah Leder (Australia), Rina Hershkowitz (Israel), and Chris Breen (South Africa).

The Constitution of PME

The constitution of PME was adopted by the Annual General Meeting on the 17th of August, 1980. Changed by the Annual General Meetings on the 24th of July, 1987, on the 10th of August, 1992, on the 2nd of August, 1994, on the 18th of July, 1997 and on the 14th of July, 2005. We print here only two parts of the constitution. As members it is important that you are aware of your rights.

We strongly encourage participants to consult the constitution of group at the IPME Website: <http://www.igpme.org/view.asp?pg=constitution>.

Name. The group has the name “International Group for the Psychology of Mathematics Education”, abbreviated to PME.

Aims. The major goals of the Group are:

- i. to promote international contact an exchange of scientific information and the field of mathematical education;
- ii. to promote and stimulate interdisciplinary research in the aforesaid area; and
- iii. to further a deeper and more correct understanding of the psychological and other aspects of teaching and learning mathematics and the implications thereof.

Honorary members of PME

Efraim Fischbein (Deceased), Hans Freudenthal (Deceased)
and Joop Van Dormolen (Retired)

Present Officers of PME

President	Fou-Lai Lin	National Taiwan Normal University (Taiwan)
Vice-President	Marcelo C. Borba	Unesp (Brazil)
Secretary	Helen Forgasz	Monash University (Australia)
Treasurer	Ferdinando Arzarello	Università di Torino (Italy)

Other members of the International Committee of PME

Mike Askew	King’s College London (United Kingdom)
Olimpia Figueras	Centro de Investigación y de Estudios Avanzados del IPN (Mexico)
Cristina Frade	Universidade Federal de Minas Gerais (Brazil)
Zahra Gooya	Shahid Beheshti University (Iran)
Aiso Heinze	University of Regensburg (Germany)
Bat-Sheva Ilany	Beitberl (Israel)
Hee-Chan Lew	Korea National University of Education (Korea)
Peter Liljedahl	Simon Fraser University (Canada)
Pi-Jen Lin	Hsin-Chu University of Education (Taiwan)
Cynthia Nicol	University of British Columbia (Canada)
Yoshinori Shimizu	University of Tsukuba (Japan)
Pessia Tsamir	Tel Aviv University (Israel)
Behiye Ubuz	Middle East Technical University (Turkey)

For more information concerning PME contact:

PME Administrative Manager

Ann -Marie BREEN
Postal address
PME Administrative Manager
35 Aandwind Street
Cape Town, 7945 South Africa
Work phone: 27 21 715 3559
Fax: 27 88 021 715 3559
Email: info@igpme.org

or visit the PME Website: www.igpme.org.



Background of PME-NA

PME-NA is the North American Chapter of the International Group and caters for researchers of Canada, United States of America and Mexico. It came into existence in 1978.

The governing body of PME-NA is the Steering Committee, which shall be composed of ten members, including at least one member from each of Canada, Mexico and the United States of America, who shall serve staggered three-year terms of office. The Steering Committee is responsible for managing the organization.

The Constitution of PME-NA

Name. The group has the name “North American Chapter of PME”, abbreviated to PME-NA.

Aims. The major goals of the North American Chapter are:

- i. to promote international contact and exchange of scientific information and in the psychology of mathematical education;
- ii. to promote and stimulate interdisciplinary research in the aforesaid area, with the cooperation of psychologists, mathematicians and mathematics teachers; and
- iii. to further a deeper and better understanding of the psychological aspects of teaching and learning mathematics and the implications thereof.

More information about PME-NA can be found at: <http://www.pmena.org>. We also encourage participants to consult the constitution of PME-NA at <http://www.pmena.org/main/constitution.htm>

Steering Committee of PME-NA

José Luis Cortina	Universidad Pedagógica Nacional (Mexico)	Chair
Lynn C. Hart	Georgia State University (USA)	Chair-Elect
Teruni Lamberg	University of Nevada, Reno (USA)	Past Chair
Jo Clay Olson	Washington State University (USA)	Secretary
Anne Teppo	Montana State University (USA)	Treasurer
Beverly J. Hartter	Oklahoma Wesleyan University (USA)	Membership Secretary
Halcyon Foster	University of Wisconsin-Eau Claire (USA)	
David Wagner	University of New Brunswick (USA)	
Azita Manouchehri	Ohio State University (USA)	
Gemma Mojica	North Carolina State University (USA)	Graduate Student Representative



The Scientific Program

The scientific program includes the following activities:

Plenary sessions

- Plenary addresses
- A Plenary Panel

Personal presentations

- Research Forums (RF)
- Research Reports (RR)
- Short Oral Communications (SO)
- Poster Presentations (PP)

Group activities

- Discussion Groups (DG)
- Working Sessions (WS)

The conference language is English. Papers for the proceedings must be written and presented in English. However, colleagues, including the presenter, are welcome to contribute to discussions and questions in their first language, following a Research Report or a Short Oral Communication provided that translation is possible by someone present in the session.

Plenary Sessions

The theme of the Joint Meeting of PME 32 and PME-NA XXX is Mathematical Ideas: History, Cognition and Education. There will be Plenary Addresses from four invited speakers and a Plenary Panel.

Research Forum

The goal of a Research Forum (RF) is to create dialogue and discussion, by offering PME members more elaborated presentations, reactions, and discussions on topics on which substantial research has been undertaken and which continue to hold the active interest of a large subgroup of PME. Two 90 minute slots will be devoted to each Research Forum. A Research Forum is not supposed to be a collection of presentations but convey an overview of an area of research, its main current questions and perspectives.

For the Joint Meeting of PME 32 and PME-NA XXX, the Program Committee and the International Committee selected the topics and the co-ordinators of the Research Forum. The following Research Forums are being organized for PME 32 and PME-NA XXX Joint Meeting:

RF1: Classroom Research in Mathematics Education as a Collaborative Enterprise for the International Research Community: The Learner's Perspective Study.

Co-ordinators: David Clarke and Jarmila Novotná

RF2: Complementing Perspectives on Teachers' Use of Non-Routine Mathematical Tasks in the Classroom: Teacher, Math Educator, Researcher.

Co-ordinators: Ron Tzur, Peter Sullivan and Orit Zaslavzky

RF3: Pursuing Excellence in Mathematics Classroom Instruction in East Asia.

Co-ordinators: Yeping Li and Gabriele Kaiser

Deadline for Research Forum proposals is October 1st, the year prior to the conference. Information for the 2009 Research Forum can be found at the PME website:

http://www.igpme.org/view.asp?pg=guidelines_research

Research Reports

Each Research Report will be allotted a total time of 40 minutes: 20 minutes for the oral presentation and 20 minutes for discussion. The topic must be substantive and concern research in mathematics education. Two types of papers are suitable for Research Reports:

A. *Reports of studies* (observational, ethnographic, experimental, quasi-experimental, and case studies are all suitable). These types of papers should contain at least the following:

- a statement of the focus of the paper
- an indication of the theoretical framework of the study reported
- references to the related literature
- an indication of and justification for the methodology used
- some sample data and results
- analysis

B. *Theoretical and philosophical essays*. These should include at least the following:

- a statement about the focus of the paper
- an indication of the theoretical or philosophical framework within which the focus or theme of the paper is developed
- reference to related literature
- a clearly articulated statement of the author's position on the focus or theme
- the paper's implications for the existing research in the area.

Each participant is allowed to present only one research report and can appear as a co-author at most three times. Proposals for Research Reports will be reviewed by three PME members whose indicated areas of experience match the research categories chosen by the proposer (the Table of Research Categories appears in page 8).

Proposals for Research Report presentations must be submitted online via the registration system on the PME webpage (<http://igpme.org>) not later than the 15th of January, 2008. Notification of receipt will be e-mailed by February 2008. Please contact the Conference Secretariat Guadalupe Guevara jmpme-na@cinvestav.mx if you have not received this notification by the end of February. Notification of the decision of the Program Committee to accept or reject the Research Report proposal will be e-mailed in April 2008.

Proposals of Research Reports must be submitted online via the registration system on (<http://igpme.org>).

In order for a proposal to be reviewed, the presenting author(s) must pay the Conference Deposit not later than the 15th of January, 2008. The Conference Deposit is non-refundable. The paper will appear in the proceedings only if full payment of the Conference fee is made by May 17th, 2008.

Short Orals Communications

The Mathematics education researchers of PME and PME-NA are proud of their expertise, experience and academic honesty. Their papers are reviewed carefully with a demand for

demonstrated rigor in the execution of the research. It is important to them that these academic demands are met in the Joint Meeting of PME32 and PME-NA XXX.

For the conference we urge you to submit a Research Report rather than a proposal for a Short Oral Communication. The number of Short Oral Communications accepted will be limited and preference will be given to those who provide a reasonable explanation of why this form has been chosen. Each communication will be allotted a total time of 15 minutes: 10 minutes for the oral presentation and 5 minutes for questions or comments. Where possible, the presentations will be grouped by themes, and a discussion period of 15 minutes will complete each group of presentations. The research component of the Short Oral must be communicated in the proposal. The Program Committee will review proposals for Short Oral Communications.

Proposals of Short Oral Communications must be submitted online via the registration system on <http://igpme.org> not later than the 1st of March, 2008.

Poster Presentations

Poster Presentations (PP) are suggested for those whose work is more suitably communicated in a pictorial or graphical format or demonstration (e.g., computer program), rather than through an oral presentation. A time will be allotted, after sufficient display time, during which presenters will be available by their posters for informal discussion with conference participants. A poster can present research projects, software developments, curricular innovations, educational programs, etc., consistent with the aims of PME. Proposals must describe both the contents of the poster and its particular visual characteristics. The Program Committee will review the proposals for Poster Presentations.

Proposals of Poster Presentations must be submitted online via the registration system on <http://igpme.org> not later than the 1st of March, 2008.

Group Activities

The aim of the group activities is to achieve the exchange of information and ideas related to the Psychology of Mathematics Education.

Discussion Groups

The objective of a Discussion Group is to provide the opportunity for people to work constructively together. They may begin with short synopses of research work, or a set of pressing questions, or provocative prompts (such as a short video clip), which aim to elicit engagement on the part of all the participants. The main purpose is critical discussion.

A Discussion Group must have a co-ordinator and an assistant co-ordinator, the former must be a member of PME. Proposals must be submitted online via the registration system on <http://igpme.org>, not later than March 1st, 2008. In order for a proposal to be considered the coordinators must pay the Conference Deposit not later than the submission date. The paper will appear in the proceedings only if the full conference fee is paid by May 17th, 2008.

Working Sessions

A Working Session must have a coordinator and an assistant coordinator the former must be a member of PME. Proposals for a Working Session must be submitted online via the registration system on <http://igpme.org>, not later than March 1st, 2008. In order for a proposal to be reviewed,

the coordinators must pay the Conference Deposit not later than the submission date. Notification of receipt and acceptance of the proposal will be e-mailed in April 2008. The paper will appear in the proceedings only if the full conference fee is paid by May 17th, 2008.



Table of Research Categories

This section is for your reference when completing the Reviewer information or the Proposal information for Research Reports. Reviewers will receive proposals for reviewing according to the research categories that they mark in their Reviewer information. The proposals will be sent to reviewers according to the research categories that are marked by the author(s). All proposals must be concerned with mathematics and education

RESEARCH DOMAINS IN MATHEMATICS EDUCATION	
1 Adult learning	22 Language and mathematics
2 Advanced mathematical thinking	23 Learning difficulties
3 Affect, emotion, beliefs and attitudes	24 Mathematical modeling
4 Algebra and algebraic thinking	25 Measurement
5 Assessment and evaluation	26 Metacognition
6 Classroom culture	27 Non-elementary numerical reasoning
7 Cognitive science and cognitive models	28 Pedagogy
8 Computers and technology	29 Pre-service teacher development (elementary)
9 Concept and conceptual development	30 Pre-service teacher development (secondary)
10 Curriculum development	31 Probability and statistical reasoning
11 Early algebraic thinking	32 Problem solving/problem posing
12 Early mathematical thinking	33 Proof, proving and argumentation
13 Early number sense	34 Rational numbers and proportion
14 Equity, diversity and inclusion	35 Social activity theory
15 Functions and graphs	36 Task design
16 Gender issues	37 Teacher content knowledge
17 Geometrical and spatial thinking	38 Teacher pedagogical knowledge
18 Gifted and able pupils	39 Teacher thinking
19 Higher-order thinking	40 Theories of learning
20 Imagery and visualization	41 Work-place related mathematics
21 In-service teacher development	

Grade LEVELS	
61 Pre-school (e.g. age under 7)	63 Secondary (e.g. age 10-18)
62 Elementary (e.g. age 5-12)	64 Post Secondary (e.g. age 16+)

TYPES OF RESEARCH	
81 Qualitative/interpretive methods	(e.g. Case study, Action research, Collaborative research, Ethnography, Narrative, Teaching experiment)
82 Linguistic and cultural studies	(e.g. Social activity theory, discourse analysis)
83 Theoretical/Philosophical analysis	
84 Quantitative methods	(e.g. Survey design, Experimental design)



Reviewers

PME will be contacting potential reviewers shortly. Reviewers will have presented either two Research Reports in the last five years or presented three Research Reports in the last ten years at a PME conference. Additional reviewers will be invited from PME-NA. These will be experience reviewers who have presented at least one Research Report at a past PME conference.

Reviewers for reports of studies (A) will be asked to comment on the following: Theoretical framework and related literature, methodology (if appropriate), statement and discussion of results, clarity, and relevance to a PME audience. Reviewers for theoretical and philosophical essays (B) will be asked to comment on the theoretical framework and related literature, on the articulated statement of the author's position, on implications for existing and further research and on relevance to the PME audience. More guidelines will be given directly to the reviewers of Research Reports. Examples of good and bad reviews will be included in the invites to reviewers.



Specific Guidelines

Research Forum Guidelines for PME 32 — PME-NA XXX

Coordinators of **approved** Research Forum proposals have to submit a rewritten description to the Conference Secretariat (jmpme-na@cinvestav.mx) not later than the 15th of January, 2008; a draft version of the full papers from all contributors not later than March 1st, 2008 and the final papers not later than May 17th, 2008.

Guidelines for the **full papers of a Research Forum** (May 17th, 2008) to be included in the Proceedings:

1. Restrict the total text to a maximum of *thirty pages*, including references, figures, and appendices. You may bring multiple copies of a longer version for distribution at the conference.
2. Begin the paper with an abstract of up to ten lines, single-spaced, preferably in italics.
3. Use the guidelines given in the section **Format of papers and files** (pages 11) and the **Joint Meeting Template** that appears at <http://www.pme32-na30.org.mx>.

Research Report Guidelines

Please note that you can be the presenting author of just one Research Report and appear as a co-author at most three times.

When preparing a proposal you are requested to:

1. Restrict your paper to *eight pages*, including references, figures, and appendices. If accepted, this text will be included in the Conference Proceedings. You may bring multiple copies of a longer version for distribution at the conference. We encourage authors to use the eight pages. Shorter papers may not be accepted.
2. Begin the paper with an abstract of up to ten lines, single-spaced, preferably in italics.
3. Restrict your file to a maximum of 2 MB in size. The online registration system will not accept bigger files
4. Use the guidelines given in the section **Format of papers and files** (page 11) and the **Joint Meeting Template** that appears at <http://www.pme32-na30.org.mx>.

Short Oral Communication and Poster Presentation Guidelines

When preparing a proposal you are requested to:

1. Explain why the presentation has to be in the form of a short oral (see description of Short Oral Communications on pages 6 and 7).
2. Restrict your proposal to *one page*, including references, figures and appendices. If accepted, this text will be included in the Conference Proceedings. You may bring multiple copies of a longer version for distribution at the conference.
3. For poster presentation, the proposal should make clear how the information would be presented in a pictorial or graphical format. (You will be provided with a vertical rectangular board of 120 x 100 cm for your presentation.)
4. Use the guidelines given in the section **Format of papers and files** (pages 11) and the **Joint Meeting Template** that appears at <http://www.pme32-na30.org.mx>.

Discussion Group and Working Session Guidelines

Discussion Group or Working Sessions organizers are requested to:

1. Prepare a *one-page* text including the name(s) and affiliation(s) of the coordinator(s) of the group, description of the aims, and planned activities for the present meeting. For both types of Sessions describe the nature and topic of the session and the planned activities. If approved, this text will be included in the Conference Proceedings.
2. Use the guidelines given in the section **Format of papers and files** (pages 11) and the **Joint Meeting Template** that appears at <http://www.pme32-na30.org.mx>.



The Papers and Guidelines for Proposals

The following rules apply to all types of proposal:

1. Proposals should be concerned with mathematics education and conform to the aims of PME as stated in the Constitution and on page 5. They should avoid the trivial and be worthy of a reviewer's time. Completed research and ongoing studies may be submitted, provided that the theoretical framework and preliminary results appear in the text submitted. Papers should be concise, but should nevertheless contain all information necessary to inform both reviewers and other researchers. Proposals merely stating that results will be presented at the conference cannot be accepted.
2. Authors are requested to refer to related papers. The authors should state what is new in the research and how it builds on past research, or goes in new directions. Proposals too similar to papers previously presented cannot be accepted.
3. Each participant may be proposed as first author on one of a) Research Report, b) Short Oral Communication. Each participant may in addition present a poster. Membership of a Forum or Working & Discussion groups is allowed in addition.
4. In order to have a proposal for personal presentation considered by the Program Committee and sent to reviewers the presenting author(s) must pay the required Conference Deposit by January 15th, 2008.
5. Only the author(s) of the paper can make a presentation. The names and addresses of first presenting authors and first co-ordinators (i.e., those designated as the communicating author/co-ordinator) will be included in an appendix in the proceedings.

6. Your submission should include all required information relating to the research categories and the proposed presentation should be submitted as a file in RTF format via the online registration system.



Format of Papers and Files

We endeavor to work towards a uniform appearance for all papers in the PME32 — PME-NA XXX conference proceedings. Templates and Instructions for preparing proposals are available to download at the Joint Meeting website (<http://www.pme32-na30.org.mx>). Please use the Joint Meeting Template (<http://www.pme32-na30.org.mx/templates.htm>) with the styles given to format your document, and do not change the styles or margins given in the template. The template assures a format as described below suitable for the Proceedings. If you have problems downloading the template, you can receive the template as an attachment by e-mailing Guadalupe Guevara, Conference Secretariat (jmpme-na@cinvestav.mx). Give information about your version of MS *Word*.

When you start writing your document using the template, save a backup copy and then you can just delete the text in the template and save your document under a different name. The template includes further description of the styles. If you have already written your document you can in the following way attach the template to your documents so that the styles will be available. In MS *Word* use the Tools menu. Choose Templates and Add-ins. A description of how to connect a template to an active document can be found in the help menu. Search for the keyword *Template*, and then look for *Attaching different template*.

1. Restrict the total text to the maximum number of pages for the kind of proposal, including references, figures, and appendices. You may bring multiple copies of a longer version for distribution at the conference.
2. Write the papers in English.
3. Type and centre the title in capitals, author(s) name(s), and affiliation(s) of the author(s), in this order. Underline the name of the presenting author(s).
4. Give references in one of the accepted standard forms, for example APA style (American Psychological Association, see <http://www.apastyle.org/pubmanual.html>). Files should be saved in **RTF-format** (Rich Text Format) and filenames should indicate the kind of proposal and name of first author; e.g. for a Research Report by **Smith** the file should be named: **RR_smith.rtf** (_ is an underscore not a space). Use SO, PP, DG, RF, WS for Short Oral Communication, Poster Presentation, Discussion Group, Research Forum, and Working Session respectively.
5. Do not number the pages.
6. Please use the A4 paper format, not the Letter format, as A4 is needed for the proceedings. This is important especially if your submission includes figures. Please make sure that you keep the suggested set-up and font templates. The formatting of the paper is to use a 14-point type, Times New Roman recommended, a 16-point line space, and 6 points between paragraphs, occupying a frame of 170 by 247 mm. Please use exact dimensions, and fill the entire frame. The template provides the exact format and a description for this. Remember that the original text will appear in the proceedings reduced to 70%, and changes in style will incur difficulties in the printing of the proceedings.

Please be sure that file does not exceed 2 MB.



Submitting the Proposal

All proposals for presentation at PME 32 - PME-NA XXX should be submitted via the online system (<http://www.igpme.org>) by the dates stated for each type of presentation. Please keep in mind deadlines (see table at the end of the first announcement). If you have any problems using the online system, please e-mail Ann-Marie Breen, PME Administrative Manager (info@igpme.org) or Guadalupe Guevara, Conference Secretariat (jmpme-na@cinvestav.mx).



Equipment

The equipment listed below will be available for your presentation. Please indicate your preference when completing the online registration and presentation submission.

- Slide Projector
- OHP Projector
- LCD Projector with computer
- LCD Projector with Video Player

If you need to use any other kind of equipment for your presentation, and would like the Local Organizers to provide it, please e-mail the Conference Secretariat directly at: jmpme-na@cinvestav.mx.

In case of computer presentation, we will prepare computer and projector in every session room. So we expect you to bring your file to the Preview Room, and NOT to bring your own laptop. Confirmation of the availability of your requested equipment will be sent by May 2008.

Please note that on-site booking of equipment will not be possible and has to be done in advance as described above.



Early Bird Procedure for Research Reports and Short Oral Communications

PME has a mechanism to encourage and support inexperienced researchers by offering them the possibility of an Early Bird Procedure for submitting Research Reports or Short Oral Communications. Inexperienced researchers who do not have access to appropriate local support and would like to receive guidance from experienced PME researchers can submit their paper to a coordinator who is appointed by the International Committee. The coordinator will assign the paper to an appropriate mentor and make sure that the communication between the inexperienced researcher and the mentor flows satisfactorily. Please note that this procedure is meant to provide feedback to written reports. It is not meant as support for conducting research. The papers submitted should be accompanied by a statement in which the authors declare that they are researchers with little previous experience in writing research reports (or journal articles) and have limited access to experienced advice. The mentors will correspond with the authors and will guide them in strengthening their papers. This mentoring does not guarantee acceptance, as the papers will still undergo the regular PME reviewing procedures. People who wish to have a mentor to submit a Research Report or Short Oral Communication for the PME33 Conference in 2009 should contact the coordinator as early as possible, but not later than **1st September, 2008**.

The Early Bird coordinator is Mamokgethi Setati (mamokgethi.setati@wits.ac.za).



How to get there?

Morelia is located at the western side of Mexico, 300km (190 miles) west of Mexico City and 900km (560 miles) south of Monterrey. Local flights are available from Mexico City (several per day), Guadalajara, Monterrey and Tijuana. International flights are also available from major connecting hubs in the USA, such as Los Angeles, Chicago, and Houston. We strongly recommend that you ask your travel agent to look into the connections available and also to ask whether an “add-on” fee is applicable for connecting flights to Morelia.

Taxi service between Morelia airport and downtown hotels is available and the fare is around USD 20, one way. There is no direct bus service between the airport and downtown Morelia, where the conference will be held.

Morelia is also linked with most of the country through excellent air-conditioned motorcoach lines (ETN, Autovias, Parihkuni, etc.). Bus ticket from Mexico City (Observatorio Bus Terminal) to Morelia costs between USD 23 and USD 28. The trip takes 4:15 hrs approx. Buses leave every hour. From Guadalajara to Morelia the ride lasts for about 3:30 hrs and fares vary between USD 18 and USD 24.

The brand new Morelia bus terminal is provided with pre-paid taxis from the bus station to downtown.



Accommodation

There will be no student accommodation facilities available for the conference, but there are many hotels in the city (see map and table for information regarding costs in pages 14 and 15).

The Conference Secretariat cannot help with accommodation. “Viajes Maruata,” a travel agency, will be responsible for booking your accommodation at all the hotels listed below. So contact the agency directly.

Viajes Maruata is also organizing some local tours and can offer programs for accompanying persons according to their interests.

Viajes Maruata
Carlos A. BOTO
General Manager
Ave. Camelinas 3233, Int. 209
Fraccionamiento Las Camelinas, C.P. 52270
Morelia, Mich., México
Phones: (+52 443) 324 2120 & 324 0484
Faxes: (+52 443) 324 1896 & 324 0495
E-mail: maruata@prodigy.net.mx
www.maruataviajes.com.mx

Hotel accommodation
PME32 – PME-NA XXX, MORELIA 2008
Special Rates for Participants

Mexican Pesos per room per night

(US dollar rates per room per night between brackets, for guidance only)

HOTEL	Single	Double	Triple	Quadruple
(6) CONCORDIA	\$390 (USD 36)	\$490 (USD 45)	\$570 (USD 52)	
(5) FLORENCIA REGENCY	\$700 (USD 64)	\$800 (USD 73)	\$900 (USD 82)	
(8) ARANZAZU	\$819 (USD 75)	\$819 (USD 75)	\$936 (USD 86)	\$1,053 (USD 96)
(9) POSADA VISTA BELLA	\$850 (USD 78)	\$850 (USD 78)	\$970 (USD 89)	
(4) DE LA SOLEDAD – 1° Patio	\$ 1,200 (USD 110)	\$ 1,200 (USD 110)	\$ 1,300 (USD 119)	
2° Patio	\$ 1,000 (USD 91)	\$ 1,000 (USD 91)	\$ 1,100 (USD 100)	
(2) BEST WESTERN CASINO	\$1,060 (USD 97)	\$1,060 (USD 97)	\$1,175 (USD 101)	
(10) QUALITY INN HORIZON ³	\$1,213 (USD 111)	\$1,213 (USD 111)		
VALLADOLID	\$1,000 (USD 91)	\$1,000 (USD 91)	\$1,519 (USD 139)	
(16) HOLLIDAY INN EXPRESS	\$1,158 (USD 106)	\$1,1158 (USD 106)		
(12) FIESTA INN	\$1,287 (USD 117)	\$1,287 (USD 117)		
(1) ALAMEDA	\$1,050 (USD 96)	\$1,100 (USD 110)	\$1,250 (USD 114)	\$1,400 (USD 128)
(13) VILLAS SAN JOSE	\$1,299 (USD 119)	\$1,299 (USD 119)		
(15) HOLIDAY INN MORELIA ³	\$1,345 (USD 123)	\$1,345 (USD 123)		
(14) VIRREY DE MENDOZA ³	\$1,452 (USD 132)	\$1,452 (USD 132)		
(19) DIANA DEL BOSQUE	\$750 (USD 69)	\$840 (USD 77)	\$ 945 (USD 86)	

Remarks:

1. Prices include local 15% IVA (VAT) and 2% hotel accommodation tax;
2. Although rates are given for triple (three persons) and quadruple (four persons) occupancy, please take due notice that most hotel rooms have one or two double beds only and just a few properties have rooms with three or four beds. Should your requirement be for a multiple occupancy room, please consult us prior to the booking request as hotels do not modify existing bedding facilities.
3. The hotels marked with 3 as a superscript include breakfast in their rates. Nevertheless at Quality Inn Horizon breakfast on Sunday must be paid separately.
4. The numbers in the brackets in the table above correspond to the sites on the map.

Colegio de San Nicolás indicated on the map is one of the main buildings of the Michoacán University of Saint Nicolas of Hidalgo (UMSNH) where the academic activities of the Joint Meeting of PME 32 and PME-NA will be held. The other buildings of the UMSNH that are going to be used are near that point, at most two and a half blocks distance from Colegio de San Nicolás.



PME 32 - PME-NA XXX Conference Fee

The registration fee is expected to be not more that USD 500. Depending on the number of participants and external financial support, the exact amount will be decided in April 2008, just before the publication of the second announcement.

The registration fee will cover:

- PME membership fee for the year 2008 (USD 50)
- PME-NA membership fee for the year 2008 for scholars working in North America.
- Donation of USD 10 for the Richard Skemp Memorial Support Fund
- A hard copy set of conference proceedings and CD (available at registration)
- Lunches on three days
- Opening reception (Thursday evening)
- Conference dinner & entertainment
- Social events
- Costs of venue, administrative work and facilities needed for organization of the conference.



Accompanying Persons

We welcome accompanying persons. The fee for accompanying persons is USD 100 per person.

This fee will cover:

- Opening reception
- Conference dinner & entertainment
- Participation in social events planned for the participants
- Some of the administrative work involved, but not involvement in the scientific program.

There is no fee for accompany children of 13 years of age or less.



Conference Registration and Payment Processes

Attendance at the conference requires you firstly to complete a registration form and pay a deposit. Payment of the Conference Deposit ensures that your proposal will be reviewed and that you will receive notice of the posting to the conference website of the Second (Final) Announcement. The Second Announcement will be available on the website in April, 2008. Please contact the Conference Secretariat (jmpme-na@cinvestav.mx) if you have problems downloading the Second Announcement.



Registration

The registration process will be carried out online. There are two stages for completing the process. One takes you directly to the data base of PME, you need only to click in the link below. When that stage is finished, a click in the corresponding link will bring you back to the Joint Meeting of PME 32 and PME-NA XXX website to complete the second stage.

For Registration, please go to www.igpme.org



Payment

We are offering credit card on line and bank transfer.

CREDIT CARD

If you use a credit card, the process will be carried out online. We have a certificate of security, the data goes directly to the bank. The bank informs you directly the state of the operation and if it has been successful you will have a code number that will be sent to us as well, to make us know that you have already paid the amount registered by you on our database.

BANK TRANSFER

If you want to pay using a bank transfer, please take into account the following information.

In Europe go to Deutsche Bank and use the data included in the next table:

Receiving Bank Name	DEUTSCHE BANK
Receiving Bank City	FRANKFURT GERMANY
Receiving Bank Swift Code	DEUTDEFF
Beneficiary Bank Name	Banco Mercantil del Norte, S.A. de C.V. (Banorte)
Beneficiary Bank Address	PLAZA MONTERREY MEXICO
Beneficiary Bank Account Name	CINVESTAV PME32
Beneficiary Bank Account Number	072180005461594558
Beneficiary Bank Swift Code	MENOMXMT

In Mexico, go to Banorte and use the data included in the next table:

Nombre del Beneficiario	CINVESTAV PME32
Nombre del Banco	Banco Mercantil del Norte, S.A. de C.V. (Banorte)
Número de cuenta	0546159455
Sucursal	679 LINDAVISTA
Clave Bancaria Estandarizada (CLABE)	072180005461594558

In the United Kingdom go to Barclays Bank and use the data included in the next table:

Receiving Bank Name	BARCLAYS BANK
Receiving Bank City	LONDON UK
Receiving Bank Swift Code	BARCGB22
Beneficiary Bank Name	Banco Mercantil del Norte, S.A. de C.V. (Banorte)
Beneficiary Bank Address	PLAZA MONTERREY MEXICO
Beneficiary Bank Account Name	CINVESTAV PME32
Beneficiary Bank Account Number	072180005461594558
Beneficiary Bank Swift Code	MENOMXMT

In the United States of America go to the Bank of New York and use the data included in the next table

Receiving Bank ABA Number	021000018
Receiving Bank Name	THE BANK OF NEW YORK
Receiving Bank City	New York
Receiving Bank Swift Code	IRVTUS3N
Beneficiary Bank Name	Banco Mercantil del Norte, S.A. de C.V. (Banorte)
Beneficiary Bank Address	PLAZA MONTERREY MEXICO
Beneficiary Bank Account Name	CINVESTAV PME32
Beneficiary Bank Account Number	072180005461594558
Beneficiary Bank Swift Code	MENOMXMT

When you have done the transfer send us a copy by fax to: (+52 55) 5061 3820 and give us two days to insert the data of your payment in our data base, then complete the second stage of the registration process.

Please feel free to ask any questions you have about these two processes. Contact Guadalupe Guevara, Conference Secretariat (jimpme-na@cinvestav.mx).



Conference Deposit

For those who pay the non-refundable Conference Deposit of USD 160, but do not attend the conference, the deposit covers PME membership for the current year (USD 50), one set of the Proceedings on CD, and the mailing of the CD to the given postal address. For those who attend the conference, the Conference Deposit will be deducted from the full Conference Registration Fee. Conference participants will receive the proceedings in hard-copy and on CD at the Registration desk. The Conference Deposit also includes a USD 10 donation for the Richard Skemp Memorial Support Fund, you can find more about the Skemp Fund from the IGPME website.

North American researchers will receive membership of PME-NA as when they pay the USD 50 in the Conference Deposit.



Payment Balance of the Registration Fee

The remaining balance of the Conference Fee must be received not later than **May 17th, 2008**. The **USD 160** Conference Deposit will be subtracted from the full conference fees.



Late Registration Fee

An additional charge of USD 80 will be applied for late registration fee, after May 17th, 2008.



Cancellation Policy

All cancellations and changes regarding the Conference Registration must be done in writing to the Conference Secretary. If a cancellation is made after the full registration fee has been paid:

- a) Before 17th of June 2008 the refund will be the amount paid minus **USD 160**
- b) After 17th of June 2008 only 50% of the full Registration Fee will be refunded.

In all cases the Conference Deposit will not be refunded.

For accompanying persons who cancel:

- c) Before 17th of June 2008 no charge
- d) After 17th of June 2008 only 50% of the full registration fee will be refunded.



Passport and Visa

Any foreign visitor wishing to enter Mexico must have a valid passport and a Mexican visa. Please check with the Mexican Embassy in your country for information on how to obtain a visa. The language spoken in Mexico is Spanish. (You can find interesting information about Mexico in ICME website on <http://icme11.org>).



Electricity

Appliances work on 120 volts.

Take notice of the forms of plugs.



Weather

Temperature: Maximum 24°C / Minimum 13°C

Rainy season: 17.5 mm. precipitation

Altitude: 1951 meters.

Mexico City has a bigger altitude.



Liability and Insurance

The Organizing Committee does not accept any liability for personal injuries, or for loss, or damage to property belonging to conference participants (or their accompanying persons) either during or as a result of the conference. Please check the validity of your own insurance.



Time

GMT/UTC less 6 hours.



Letters of Invitation

Participants who need a personal invitation for their own funding purposes should write to the Conference Secretariat requesting a letter of invitation and stating their intended contribution to the Joint Meeting of PME32 and PME-NA XXX program.



Richard Skemp Memorial Support Fund

A limited amount of financial support is available to researchers who experience difficulty in obtaining financial support to attend PME conference for racial, political or philosophical reasons, or because of economic circumstances

If you face such constraints or know who does and who would like to participate in the Joint Meeting of the PME 32 and PME-NA XXX, it is possible to apply for financial support. Applications for a grant to attend the Joint Meeting Conference should be sent before **March, 1st, 2008** to Ann-Marie Breen, PME Administrative Manager at info@igpme.org.

For more information visit the PME Website at <http://igpme.org> in the section Funding or go directly to <http://www.igpme.org/view.asp?pg=funding>.



Call for Donations to the Skemp Fund

The Skemp Fund plays an increasingly important role in making the PME annual conference more accessible to mathematics educators who would not otherwise be able to attend the conference. The extent to which we can give this financial assistance depends to a large degree on the generosity of the PME community. For this reason, the International Committee calls on members to make donations, however small, to the Skemp Fund in the appropriate place online when paying membership fees or registering for annual conference.



IMPORTANT REMINDERS OF DATES FOR PME32-NA XXX

Registration: Opens Thursday, 17th July, 2008, 11:00 – 17:00 at Colegio de San Nicolás de Hidalgo.

Opening session: Thursday, 17th July, 2008 at 18:00, lecture followed by a reception at Centro de Convenciones y Exposiciones de Morelia.

Closing session: Monday, 21st July, at 14:00 at Teatro Melchor Ocampo.

See the deadlines in the table in the next page and please keep them in mind.

Deadlines

Activity	Required	Date
Proposals and papers		
Research Forums	Description	15 th January, 2008
	Full Papers (Draft version)	1 st March, 2008
	Full Papers (Final version)	1 st May, 2008
Research Reports	Online Registration, Paper and Payment	15 th January, 2008
Short Oral Communication	Online Registration, Paper and Payment	1 st March, 2008
Poster Presentation	Online Registration, Paper and Payment	1 st March, 2008
Discussion Group	Online Registration, Paper and Payment	1 st March, 2008
Working Session	Online Registration, Paper and Payment	1 st March, 2008
Author/Coordinator Details	Information needed when registering	Submission date of proposal
Equipment Request	Information needed when registering	Submission date of proposal
Reviewer Information	Online Information	15 th December, 2007 (www.igpme.org)
Deposit and Registration		
Conference Deposit (with Research Report and agreed Research Forum proposals)	USD160. As directed online when registering.	15th January, 2008
Conference Deposit (all others)	USD160. As directed online when registering.	1st March, 2008
Accompanying person registration	At the time of Registering	1st March, 2008
Conference Registration Fee (Balance) for persons who are attending the conference	Proposals will only be included in the PME Proceedings if full payment for the conference has been received by May 17 th , 2008.	May 17 th , 2008
Late Registration Fee	Registration amount Plus Additional USD80	After May 17 th , 2008
Ordering of Proceedings by non-participants	Online	May 17 th , 2008
For 2009 Conference		
Research Reports (Early Bird for PME33)	Early Bird Proposals	1 st September, 2008 for PME33 (to Early Bird coordinator)
PME33 Research Forum	Proposals	1 st October, 2008 for PME33 (www.igpme.org)