



# PME NEWSLETTER

MAY 2009

## GET READY FOR PME - 33.... IT'S BIG AND NEW!

### *PME Message from President Fou-Lai Lin*

The forthcoming PME-33 in Thessaloniki has two characteristics: it is “big” and “new”. We have many Research Forum submissions, a record-breaking number of Research Report submissions and numerous participants. In PME-33, we have also invited Shlomo Vinner as a reactor who will respond to Paul Ernest’s plenary lecture.

I have heard that many citizens in Thessaloniki have summer vacations planned during the time of our PME-33 conference and it may be possible that only PME-33 participants will be left in the city. Hurray! We might lead the city! I wish for all of us to have a successful academic experience with engaging community social interactions during PME-33 in Thessaloniki.

Now, on other news ... There is an issue regarding the PME database that I want to collect your opinions on. Our database is located in South Africa. We just have one database programmer to take care of the PME database. If he has a vacation, then

it might be difficult for us to reach the database. Do you have any ideas about solving this problem or do you know some companies who can arrange database business for us? If yes, please feel free to write an email to the Administrative Manager or the PME President.



I enjoyed reading the first issue of the PME Newsletter. Special thanks to our Newsletter editors Cristina, Zhonghe and Cynthia. The PME Newsletter is a platform for PME members not just for invited people to share their opinions. I hope every member can view the Newsletter as a friendly platform where you can share

ideas or suggestions whenever you want.

And let’s look forward to the coming PME-33.

### *PME Message from the Editors*

Greetings and welcome to our second Newsletter of the year. The feedback we received on the last issue (January 2009) was positive and encouraging. Thank you. We hope this May issue lives up to the expectations of the PME community. In this issue we bring highlights from our PME 33 Plenary Speakers and Panel Members, financial news and other articles. Thank you to all who offered contributions to this issue.

For our next issue we are seeking contributions or reactions to the actual state of PME finances described by the Treasurer in this issue. Hope you enjoy this issue and look forward to seeing you all at Thessaloniki!

*Cristina Frade, Zhonghe Wu & Cynthia Nicol – Editors of PME Newsletter*

### **PME 34 Research Forum Proposals due October 1 2009**

PME 34 to be held in Belo Horizonte, Brazil



PME 34,  
Belo Horizonte,  
Minas Gerais, Brazil  
July 18-23 2010

Inside this Issue	
PME 33 Plenary Speakers	2
PME 33 Plenary Speakers	3
PME International Committee Treasury Report	4
PME International Committee Treasury Report	5
Articles - Suggestions for PME at ICME	6
Articles - Suggestions for PME at ICME	7
PME 33 Invitation	8

## PME 33 Plenary Speakers Get Personal

We invited all PME 33 plenary speakers to contribute to this issue by responding to the questions: How many PMEs have you attended? Where and when was your first PME? and How does your research life connect with the conference theme: In Search of Theories in Mathematics Education?



### Andreas Demetriou

Minister of Education and Culture of Cyprus, Professor of Psychology, Department of Psychology, University of Cyprus

**Number of PMEs attended:** This is my first PME

My research in the last 30 years aimed to develop a comprehensive theory of cognitive development that does justice to the organization, course of development, and mechanisms of change of the human mind from birth to maturity. According to this theory, the human mind is organized in three levels: The level of processing potentials, defined by processing and representational efficiency and capacity, a hypercognitive level involving several processes of self-awareness, self-representation, and self-regulation, and a level of specialized domains of cognition, namely, categorical, mathematical, causal, spatial, verbal, and social thought. The theory models, first, the more dynamic, real-time, aspects of mental functioning to explain how information from the environment is recorded, represented, stored, and processed for the purpose of understanding and problem solving. Second, the theory also specifies the factors that are responsible for intra- and inter-individual differences in mental functioning and development.



### Paul Ernest

Emeritus Professor of Mathematics Education  
University of Exeter, UK

Visiting Professor, HiST-ALT, Trondheim and University of Oslo, Norway

**Number of PMEs attended:** Every PME from 1986 to 1995

**Year and place of first PME:** PME 10 London - which inspired me to which inspired me to attend every year! PME was for me like a summer school - I learned about all the new exciting ideas and results in math education, and met the leading international researchers who were at the cutting edge!

My research life has been In Search for Theories in Mathematics Education! I started off looking for theories of pedagogy, which is perhaps the first thing the novice teacher educator thinks about. With my training in philosophy and logic I have been fascinated by how philosophies impact on math teaching, via teacher beliefs, learning theories, through curriculum ideologies. Theories impact in so many ways that have fascinated me: through research methodologies, through studying the semiotics of mathematics education, through exploring globalization and internationalization of maths ed, and through theories of critical maths education. My work on social justice issues is also in part theory driven: what does the concept of mathematical ability imply and how can it be deconstructed? What is the relationship between gender/sex and mathematics? How does mathematics and its history relate to race, class and culture? I both start and end with the question, what is mathematics, and how is it implicated in learning and society? This drives my ongoing work in philosophy and theory.



## Candia Morgan

Senior Lecturer in Mathematics Education,  
Institute of Education, University of London, UK

**Number of PMEs attended:** 8

**Year and place of first PME:** 1990 in Mexico.

When I first entered the mathematics education research community, the field was strongly dominated by psychological theories, but these did not satisfactorily address my primary concerns with language use and the uneven achievement of different groups of students. While there are clearly aspects of mathematical language that are unique, it is nevertheless important to recognise that it is language and shares many characteristics with other forms of language. It therefore makes sense to turn to linguistics to provide theoretical understanding of the nature of language and language use and to provide tools for analysis and description of linguistic data. A major focus of my research has been to develop ways of applying the theories and tools of social semiotics and critical discourse analysis to texts arising in mathematical contexts. Another important part of my research life: concern with the place of mathematics education in society and the distribution of social goods. Involvement with the international conference of Mathematics Education and Society and with colleagues working with sociological theory has helped me to develop this aspect of my work.

## Meet the PME 33 Plenary Panel

The theme for this year's plenary panel is

**Theoretical Perspectives in Mathematics Teacher Education**

*with Convenor David Clarke, University of Melbourne Australia.*



### David Clarke (convenor)

has undertaken research into mathematics assessment, teacher professional growth, and the practices of mathematics classrooms internationally. Among other projects, he coordinates an international study of mathematics classrooms in sixteen countries (*The Learner's Perspective Study*). Current interests include multi-theoretic research designs, the cultural situatedness of theory construction and the challenge of research synthesis



### João Pedro da Ponte (panel member)

is a researcher at the University of Lisbon, Portugal, interested in mathematics investigations in the classroom, mathematics teachers' professional development and mathematics teachers' professional knowledge and classroom practice. His extensive international involvement is reflected in his membership of several editorial boards of scholarly journals in both Portuguese and English. His panel contribution addresses "External, internal and collaborative theories of mathematics teacher education."

continued on page 4...

and more **PME 33 Plenary Panel Members**



**Barbara Jaworski** (panel member)

is at Loughborough University, U. K., and has written extensively on the development of mathematics learning and teaching and was Editor in Chief of the *Journal of Mathematics Teacher Education* from 2002 to 2007. Recent research includes a major program of research into communities of inquiry in developmental research, which will provide the focus for her panel presentation on “Critical alignment in an inquiry community.”



**Minoru Ohtani** (panel member)

is based at Kanazawa University, Japan, where he engages in scholarly writing and research related to mathematics classroom practice and mathematics teacher education, employing cultural-historical activity theory, among other theories, to investigate the role of cultural tools in mathematics classrooms and the social-situatedness of the learning of mathematics students and teachers. His panel presentation is titled “In search of a theoretical perspective on ‘lesson study’ in mathematics.”



**Deborah Loewenberg Ball** (panel member)

at the University of Michigan, USA, is a prolific author and an active researcher in mathematics teacher education. Her recent research into the characteristics of quality mathematics teaching has attracted international attention. Her panel contribution on “A practice-based theory of mathematical knowledge for teaching” will draw on her extensive research into the knowledge required for effective mathematics teaching.

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## PME International Committee Treasury Portfolio Report

*submitted by Treasurer Ferdinando Arzarello*

The International Committee Treasurer’s Portfolio Group (TPG) mainly deals with issues of PME finance. The members of this group up to July 21, 2008 have been Ferdinando Arzarello (Treasurer), Christina Frade, Peter Liljedahl, Yoshi Shamiru. From July 22, 2008 and up to July 2009, its members are Ferdinando Arzarello (Treasurer), Cristina Frade, Behiye Ubuz and Laurie Edwards.

During the AGM the Treasurer has reported on the 2007 budget and on the expectations on future PME finances. The AGM has been approved the budget.

In the AGM minutes there is the report, which can be so summarised.

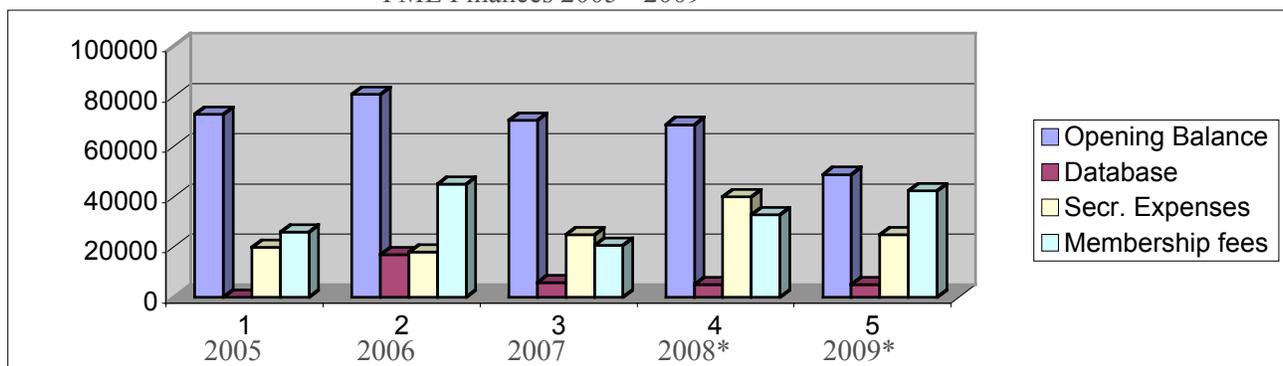
As usual, the main income is from the membership fees and from conference surplus (if any), while the main expenditures are for the salary and costs for the Administrative Manager (AM) and for the Data Base. From January 2008 PME has a new AM, Jarmila Novotna; for 2008 she will be supported by the previous AM, Ann-Marie Breen. Conference finances are not included in PME accounts. The 2007 balance has been audited by Peter Sullivan.

continued on page 5

The finance situation is very delicate; it will depend on PME 33 if PME finances will be in a better situation than now: in fact we hope in a high number of participants. Next year there will be a new treasurer that hopefully will last 3 years and the current transition period for the administrative organisation of PME will be over: in fact it will end the joint period for the two Administrative Managers and the database development will almost completely done (its costs for 2008-2009 are estimated in 5000 \$).

The Reserve Fund will be closed this year. According to the figures in the tables, we have a balanced budget in 2008 (because of the use of the Reserve Fund) and hope in some effective income in 2009 (according to the numbers of participants -500 or 600- to PME 33 we estimate +3500 \$ or +13500 \$). also because of the increased membership fee for 2009. Of course such previsions are hazardous, because of the unstable world finance situation (specifically they depend on the rate euro/dollar, since next year the fees will be in euros).

PME Finances 2005 - 2009



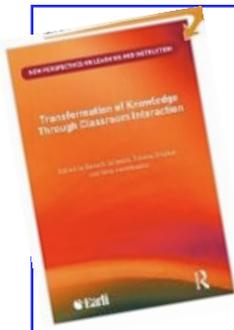
\* estimates

The Skemp fund situation is not in good shape. PME gave 9 awards of \$600 (\$5400) but only 6 of the awardees attended PME 32. The voluntary donations were \$4660 this year compared to \$1290 in 2007 and \$7330 in 2006. All IC members are asked to encourage further donations to Skemp Fund.

Book-keeping of PME bank accounts is being addressed. At the moment the books are kept in three different places where PME has bank accounts. These places are: South Africa under the control of Ann-Marie; England under the control of Peter Gates; Finland under the control of Markku Hannula.

The TPG is working on:

- the technicalities for making the transitions of the various PME bank accounts and to explore how these can be consolidated and managed by the PME president and the TPG.
- coordinating efforts to ensure the auditing of the PME budget.
- collaborate with the Secretary Portfolio Group, the Administrative Manager and the Local Organizing Committee (LOC) of PME 33 to support the interface between the PME database and the LOC of Greece.
- ways of increasing funds yet being aware of ethical investments
- strategies for addressing the issue of some members receiving Skemp grants yet not attending PME
  - developing a plan for increasing the reserve funds



## New Book! Just Released!

### Transformation of Knowledge Through Classroom Interaction

Baruch Schwarz, Tommy Dreyfus and Rina Hershkowitz (editors)

The contributions in this book offer rich descriptions and ways of understanding how learning occurs in both traditional and non-traditional settings. Bringing together a broad range of contributions from over 20 leading international researchers, including Paul Cobb, Mitchell Nathan, Geoffrey Saxe, Anna Sfard, Michal Yerushalmy and the editors. Published by Routledge  
 isbn9780415492256 <http://www.routledge.com>

## Guidelines for Developing PME Presentations for the ICME Congresses: *Some Suggestions*

*submitted by Carolyn Kieran*

The last two ICMEs, in Copenhagen and Monterrey, both provided four time-slots of one hour each, in which PME research work was presented to ICME participants. Several of the previous ICMEs followed, more or less, the same blueprint. In particular, the Copenhagen program specified the following:

For ICME-10, four key areas of PME research and theoretical base have been chosen as exemplars of PME's contribution to knowledge and its work as a collaborative community. In each of these four areas, a member or members of PME were asked to present a review of the PME research. The following are the area headings ... *Children's early mathematical development ... The influence of social context on the teaching and learning of mathematics ... The development of algebraic thinking and symbolization ... The impact of new technologies upon pedagogy in mathematics education.* (pp. 143-144)

In addition, the Copenhagen program stated that, "Each of these reviews is planned in the form of a 40-minute presentation with up to 20 minutes of questions and discussions." In contrast, the Monterrey program did not include any preamble, nor any mention as to how time might be distributed within the one-hour slots. The four areas of PME research that were included in the Monterrey ICME were: "*Research on the psychology of mathematics education: A summary of past, present and future contributions of PME ... Mathematics teacher education ... Affect, equity, and diversity ... and Technology and mathematics education* (pp. 271-272)".

On looking at the titles of the four themes for the PME sessions at each of these two past ICME congresses, one notices immediately that *technology* appeared on both programs. While this phenomenon may, in fact, be a reflection of the proportion of the work that

is reported at PME and which deals with the use of technological tools, it leads to the question of how the themes are chosen for the PME slots. One of the methods could be the following: enter into the data base all four research domains that are specified by authors of accepted research reports each year, and at the end of the four-year period – when it comes time to determine which areas have been the most highly worked ones in PME (so as to consider possible themes for the PME slots at the upcoming ICME congress) – compute the totals for each research domain to see which ones come out on top.

Consideration could also to be given to those areas that would be of greater interest to the ICME audience at large, simultaneously attempting to avoid repetition of all the same themes at successive ICMEs. Another consideration would be the use of PME slots to present new PME monographs, such as was the case in Monterrey when the 30<sup>th</sup> year handbook of PME research (edited by Angel Gutiérrez and Paolo Boero) was showcased.

Notwithstanding such special cases, the usual situation for PME sessions at ICME is a set of four themes each of which represents a significant body of research that has been reported and published (in the Proceedings) in the four years previous to the given ICME (in cases where a particular PME domain has not been included in the ICME program for some time, it may be necessary for the presenter to review more than four years of findings in the Proceedings).

For the reporting of these representative themes, it is suggested that a synthesis of the main findings of the research reports – as found in the Proceedings – be prepared. However, simply presenting such a synthesis is far from adequate. This synthesis needs to be presented within a much larger setting than that of the previous four years of work. Such a setting ought to include the theoretical frameworks that have



Carolyn Kieran  
(past PME President 1992)

Department of Mathematics,  
Faculty of Sciences, Université  
du Québec à Montréal Canada



been developed and that give meaning to these findings (for this, one may have to go to more extended publications than the reports that are to be found in the Proceedings).

This setting ought also to demonstrate how these most recent findings build on previous PME research or answer empirical questions that have been posed in earlier PME research, or suggest exciting new directions for future research. Illustrating the ways in which PME research findings have had an impact on the field at large would also be useful for an ICME audience. It must be stressed that the importance of giving significant attention within the presentation to the context of the most recent PME research cannot be overemphasized.

An additional question is whether one could or should include in these thematic PME sessions reference to works published by PME members 'outside' the PME Proceedings (or other specific PME publications such as PME monographs or special journal issues devoted to PME research). It is suggested that reference to 'outside' works ought to be handled in the same way that Angel Gutiérrez and Paolo Boero responded to such queries during the process of their editing the 30<sup>th</sup> year monograph of PME research: the majority of the references cited (in this case, in the PME time-slots at ICME) ought to be related to work that has been presented within PME conferences. Only exceptionally should outside independent publications by individual PME members be included and only to the extent that these publications relate in some clear way to the work that has been presented at PME (such as may be the case when one needs to cite more elaborated versions of a certain theoretical framework).

Even if it is argued that such independent journal articles may be more accessible to the general public than are PME Proceedings, it is the Proceedings (and other publications on the list of PME Publications – as per the current PME project to establish such a list) that should serve as the first source for the PME presentations at ICME.

### **Suggestions for PME time-slots at ICME**

To sum up, the main suggestion being offered herein is that each of the themes presented in PME time-slots at ICME ought to:

- 1) represent a major body of work (usually empirical, but not excluding theoretical research) that has been researched by PME members, usually within the four-year period preceding the given ICME;
- 2) synthesize the principal findings that have been presented during the previous four years at PME and that are to be found in the PME Proceedings (and, if pertinent, in other PME publications);
- 3) provide the broader theoretical context for these findings – in many cases a theoretical context that has been developed within the PME community;
- 4) provide the broader empirical context for these findings, by relating the four-year findings to prior research findings and/or questions that have been posed in earlier PME research, or by demonstrating how these findings build upon prior PME research, or by suggesting how these findings point to exciting new research directions; and
- 5) illustrate the ways in which PME research in the given area has had an impact on the field at large.

## **MASTER AND DOCTORAL PROGRAMME 2009-10**

### **RESEARCH ON THE TEACHING AND LEARNING OF EXPERIMENTAL SCIENCES, SOCIAL SCIENCES AND MATHEMATICS**

**(taught in Spanish)**

#### **Coordinated by:**

University of Huelva (Spain) (UHU).  
Departamento de Didáctica de las  
Ciencias y Filosofía

#### **Other participating universities:**

University of Extremadura (UNEX). Departamen-  
to de Didáctica de las Ciencias Experimentales y  
de la Matemática

International University of Andalusia (UNIA) (La  
Rábida -Huelva).

Masters offers 3 paths: Experimental Sciences Education (ES), Social Sciences Education (SSE) and Mathematics Education (ME). It includes subjects, which are shared by the 3 paths and specific subjects. The common subjects deal with professional development and research design. In the specific subjects content is linked to the research domains that are being developed in the participating universities:

- Teachers' Pre-service education, professional knowledge and development (ES, SSE, ME)
- Problem solving (ES, ME)
- School research (ES, SSE)
- Environmental education (ES)
- Didactic of heritage (SSE)
- Didactic of Geometry (ME)
- Mathematics knowledge for teaching (ME)
- Didactic of History (SSE)
- Scientific-cultural literacy and heritage (ES SSE)

The first pre-registration period is open at the University of Huelva  
(<http://distritounicoandaluz.cica.es>).

More information in <http://www.uhu.es/> or contacting the Master Coordinator, Dr. José Carrillo ([carrillo@uhu.es](mailto:carrillo@uhu.es)).

## Meet you in Thessaloniki Greece July 19-24



The last few months period has been a really hard working one for the members of the International and the Local Organizing Committees for PME33. This is because of the millions issues needed to be taken care of in preparation of the two crucial for the successful organization of a PME conference IPC meetings, the first after the submission of the Research Reports proposals around the end of January and the second around the end of March, when the reviewing process had been completed.

We were very pleased to receive so many submissions (9 for Research Forums, 10 for Working Sessions, 7 for Discussion Groups, 416 for Research Reports, 151 for Short Orals and 71 for Posters), probably the highest number ever in PME's history, indicating a thriving community. However, we also got

worried whether we would be able to cope successfully with the huge load of the work required. The enthusiasm and the eagerness of everybody in the two committees to help overcome the many difficulties which inevitably arose on the way, contributed decisively to being able to report here on a very satisfactory preparation process. A major contribution to the smoothness of this process should be attributed to the two very successful IPC meetings held in Thessaloniki from the 31<sup>st</sup> of January until the 3<sup>rd</sup> of February and from the 24<sup>th</sup> of March until 1<sup>st</sup> of April respectively, dealing the former with the submitted proposals' reviewing process and the latter with its results, besides other administrative and organizational matters.

Less than two months before this year's annual meeting, I am pleased to let you know that almost all the details of the scientific programme have been finalized and the editing process of the Proceedings is well ahead on its way.



The members of the Local Organizing Committee are now working feverishly on the many small and big details of the actual five days long programme of the conference, aiming at providing to all participants scientifically fertile and socially and culturally enjoyable experiences. They bear in mind that the success of PME33 is a bet that they cannot afford to loose, because they have high expectations as to its impact on the development of the mathematics education community both at a national as well as at an international level.



Looking forward to welcoming you in Thessaloniki

On behalf of the IPC and LOC

*Marianna Tzekaki and Babis Sakonidis*

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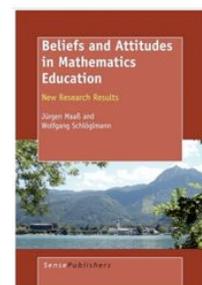
### NEW BOOK RELEASE.....

#### **BELIEFS AND ATTITUDES IN MATHEMATICS EDUCATION**

**New Research Results**

**Jürgen Maasz and Wolfgang Schlöglmann (Eds.) (2009)**

**University of Linz, Austria [www.sensepublishers.com](http://www.sensepublishers.com)**



# PME NEWSLETTER

## Supplement to MAY 2009 issue

### PME Message from President Fou-Lai Lin

Dear PME Members,

Especially for those who will participate in the PME-33 conference, you will see a draft of the AGM agenda for PME-33 and a letter entitled “some thoughts on the finances of PME” written by Kath Hart, PME’s former Treasurer and President.

In this AGM agenda, many issues are open for members to express opinions, such as hard-copies of the conference proceedings, regulations for inviting Plenary Speakers, procedures for the reviewing pool, number of co-authorships, number of submissions, etc. The Treasurer’s report also needs members to come to an agreement on future directions.

Kath’s letter aims to raise some thoughts about the PME finances. After carefully reading her letter, you might have opinions about the PME financial situation that will be discussed at the AGM.

### PME Message from the Editors

Welcome to our first supplement of the PME Newsletter. In this supplement we bring you the draft agenda for the AGM and an invited submission by Kath Hart, past PME president and treasurer, on the financial situation of PME.

Kath agreed to write a short reaction to the Treasurer Portfolio Group report for our May 2009 issue. Our hope was for Kath’s response to generate discussion and reaction among PME members about PME’s financial situation. Kath submitted her response in time as requested for the May issue. However, due to a communication problem her contribution arrived in the editors’ hands shortly after the May issue was published.

We hope this response will generate discussion and ideas before and during PME 33 in Thessaloniki!

Our next issue will be published in the fall of 2009. We encourage you to consider submitting a contribution - a reaction to the financial situation, or other situations.

Please send all contributions to the editors: **Cristina Frade** <[frade.cristina@gmail.com](mailto:frade.cristina@gmail.com)>, **Zhonghe Wu** <[zhu@nu.edu](mailto:zhu@nu.edu)>, and **Cynthia Nicol** <[cynthia.nicol@ubc.ca](mailto:cynthia.nicol@ubc.ca)>. Hope you enjoy this supplement to the May issue and look forward to seeing you all at Thessaloniki!

Cristina Frade, Zhonghe Wu & Cynthia Nicol – Editors of PME Newsletter

The draft of AGM agenda for PME-33 is gathered for the whole year after PME-32 ended. If you have any other suggestions which you think should be discussed in the PME-33 AGM, please let us know no later than July, 10<sup>th</sup>.



Last but not least, let me draw your attention on the spirit of PME. A responsible PME member “attends the conference from the beginning, presents a paper and stays to the conference end”. The whole document of spirit of PME is available on the IGPME webpage. Let’s work hard together to achieve our spirits of PME and have a wonderful PME-33 conference.

## Some Thoughts on the Finances of PME

*invited response by Kath Hart*

Those of you who have read the minutes of the AGM in Morelia will have seen various comments on the treasurer's report under AOB but no report in the text. The treasurer had stated that PME had no money, either in the current account or the reserves. This is serious as we cannot run as an organisation without money!

AGM Minutes of past meetings are not very informative and do not contain a budget or a statement of accounts. We need to change our ways. This is an international group, the members coming with different languages and different customs for the format of meetings, we all need to know what is going on and to be very clear on what happens to our money.

PME decisions are taken by the members and the International Committee administers our decisions, that is why in the rules of the group the AGM agenda has to appear a month at least before the meeting so that members can consider their views on the items. At this time the budget for next year should also appear together with a statement of last year's expenditure. The budget states in detail the planned expenditure, the treasurer making a case for each suggestion. The expenditure must not exceed the income.

Most of the income is from membership fees and since these run from January we should know most of them. Other sources of income are the sale of proceedings and of PME publications and I suggest these go directly into the main account each January.

It is time we faced our commitment to the Skemp fund. For many years voluntary donations have been few and the IC has transferred varying amounts from the main

account to the fund. This must stop. We cannot afford it. The voluntary donations and the mandatory ten dollars from a conference fee will have to be enough. Throughout the year the expenditure needs to be matched to the budget at regular intervals to check we are not overspent.



We cannot afford two executive secretaries, further we need to prune how much work is expected of the one person. The IC has to do the work, the secretary is just that and acts on decisions taken by others. It cannot be seen as a full-time job, we do not have the resources.

We must also consider other ways of pruning expenditure. We do not need four members of the IC attending the conference programme committee second meeting. We used to send two IC members who were geographically close. We do not need three days of IC meetings [with hotel costs] prior to the conference, more discussion by email is needed. I have not mentioned Conference profits. The organisation of a conference entails a great deal of work, is the responsibility of the local organisers working on behalf of the members. If there is a profit we hope they will contribute it to the main account but they must not be forced to increase the cost of the fee simply to enable the treasurer to balance the books! I hope this incites some discussion and argument. I was treasurer and president of PME so know that the jobs are not easy.

## See you in Thessaloniki Greece July 19-24





## PME 33 AGM Agenda (Draft)

Additions and changes accepted until July 10 2009

Possible Agenda items should be sent to PME President Fou-Lai Lin <[linfl@math.ntnu.edu.tw](mailto:linfl@math.ntnu.edu.tw)>

1. Meeting opening
2. Adoption of the Agenda
3. Adoption of the minutes of the 2008 AGM held in Morelia, Mexico
4. Business arising from the minutes
  - 4-1. Ombudsman for PME
  - 4-2. Reviewing process of Research Forum
  - 4-3. PME accounts
  - 4-4. PME financial situation

(Members are encouraged to refer to the attached document, “some thoughts on the finances of PME”, written by former Treasurer and President Kath Hart)
5. Issues arising from conferences’ organization
6. PME reviewing pool and reviewing process of Research Report
7. Regulation for inviting plenary speakers
8. Number of co-authorship / Number of submissions
9. PME proceedings, CD/hard copies(?)
10. Election of new members of the PME International Committee
11. President’s Report
12. Vice-President’s Report
13. Treasurer’s Report and agreement on Treasurer’s Report
14. Secretary’s Report
15. Brief report on future conferences
16. Other business
17. Meeting closure