

First Announcement

The Mathematics Education into the 21st Century Project,

in cooperation with

The Hong Kong Institute of Education

The Third World Forum

EuroMaths, Greylum Software, MatheMagic,

SNM (Polish Association of Teachers of Mathematics), VSG Enrichment,

Wholemovement

and locally organized/sponsored by

Universiti Teknologi Malaysia (UTM)

announce our

Eighth International Conference

" Reform, Revolution and Paradigm Shifts in Mathematics Education "

Hotel Eden Garden, Johor Bharu, Malaysia

November 25th – December 1st, 2005

Major Sponsors: Autograph

You are invited to attend another very special conference in **Johor Bharu, Malaysia**, close to Singapore and in the heart of Tropical South East Asia. Mercifully this part of Malaysia was unaffected by the tragic earthquake and tidal wave at the end of 2004. The time and place were chosen to encourage teachers and mathematics educators from around the world to communicate with each other about the challenges of **Reform, Revolution and Paradigm Shifts in Mathematics Education**. This conference follows our first seven successful Project Conferences: next to the pyramids in Cairo in 1999, in the historic splendour of the Holy Land in Jordan in 2000, a magical country retreat in Poland 2001, where the Great Barrier Reef meets the rain forest in Australia 2001, on the beautiful coast of Sicily in 2002, in the historic capital of Moravia, Brno, Czech Republic in 2003 and in Ciechcinek, a beautiful spa town in Poland in 2004.

The Malaysia Conference is organised by the Mathematics Education into the 21st Century Project - an international educational initiative whose coordinators are Dr. Alan Rogerson (Poland) and Professor Fayeza Mina (Egypt). Since its inception in 1986, the Mathematics Education into the 21st Century Project has received support and funding from many educational bodies and institutions throughout the world. In 1992 UNESCO published our Project Handbook "*Moving Into the 21st Century*" as Volume 8 in the UNESCO series *Studies In Mathematics Education*.

The Mathematics Education into the 21st Century Project is dedicated to the improvement of mathematics education world-wide through the publication and dissemination of innovative ideas. Many prominent mathematics educators have supported and contributed to the project, including the late Hans Freudental, Andrejs Dunkels and Hilary Shuard, as well as Bruce Meserve and Marilyn Suydam, Alan Osborne and Margaret Kasten, Mogens Niss, Tibor Nemetz, Ubi D'Ambrosio, Brian Wilson, Tatsuro Miwa, Henry Pollack, Werner Blum, Roberto Baldino, Waclaw Zawadowski, and many others throughout the world.

Information on our project and its future work can be found on the following webpages.

http://math.unipa.it/~grim/21_malasya_2005.doc Information on Malaysia 2005 Conference

<http://math.unipa.it/~grim/21project.htm> Our Project Home Page

<http://math.unipa.it/~grim/egypt.pdf> Egypt Conference site

<http://math.unipa.it/~grim/jourdain> Jordan conference site

<http://math.unipa.it/~grim/cairms> Australia conference site

<http://math.unipa.it/~grim/palermo2002> Sicily Conference site

http://dipmat.math.unipa.it/~grim/21_project/21_brno_03.htm Brno Conference site

http://math.unipa.it/~grim/21_project/21_ciechocinek_04.htm Ciechocinek Conference site

Filippo Spagnolo, of Palermo University, is webmaster for the above sites.

Felix Rieper has compiled a photo album of the Ciechocinek Conference at

<http://www.ph-heidelberg.de/wp/filler/ciecho04/index.htm>

Krys Bestry is webmaster for our Polish Superkurs Home Page and National Planning Meetings webpage <http://superkurs.republika.pl/> (in Polish - but with pictures!)

See also: <http://www.vsg.edu.au/egypt99/> and www.cdnalma.poznan.pl for more information about our project and its work. For the Brno conference there is a local Website in Czech and English at

<http://www.math.muni.cz/matheduconf.sept2003>

The Mathematics Education into the 21st Century Project has the following National Representatives: Prof. Jean Michel Hanna Egypt, Dr. Reda Abu-Elwan Oman, Assistant Professor Othman Alsawaie UAE, Professor Noor Azlan Ahmad Zanzali Malaysia, Professor Angel Balderas Mexico, Dr. René Berthelot France, Dr. Cinzia Bonotto Italy, Gail Burrill USA, Professor Indira Chacko Zimbabwe, Prof Dr.Erik De Corte Belgium, Prof. Dr. Franco Favilli Italy, Professor Gunnar Gjone Norway, Professor Doctor Gunter Graumann Germany, Pam Hagen Canada, Dr. Marjorie Henningsen Lebanon, Dr. Hanan Innabi Jordan, Professor George Malaty Finland, Prof Dr. Ivan Meznik Czech Republic, Willy Mwakapenda Malawi/South Africa, Dr. Maria Luisa Oliveras Spain, Chris Ormell UK, Assoc Prof Lionel Pereira-Mendoza Singapore, Dr. Medhat Rahim Canada, Dr. Fatimah Saleh Malaysia, Dr. Maher Y. Shower USA, Professor Anthony Sofo Australia, Dr. Filippo Spagnolo Italy, Teresa Vergani Portugal, Professor Derrick Young South Africa, Professor Wacek Zawadowski Poland.

Conference Committee Structure

International Program Committee

Chairman Dr. Alan Rogerson, International Coordinator of the Mathematics in Society Project (Poland).

Prof Khaled Abuloum, University of Jordan (Jordan).

Professor Roberto Baldino, UNESP (Brazil).

Dr. Andy Begg , Senior Lecturer in Mathematics Education, University of Waikato (OU/New Zealand).

Dr. Donna F. Berlin, Mathematics, Science, and Technology Education, The Ohio State University (USA)

Prof. Dr. Werner Blum, University of Kassel (Germany).

Professor Ubiratan D'Ambrosio, Emeritus Professor of Mathematics, Campinas/UNICAMP, (Brazil).

Professor Bruno D'Amore, University of Bolgna (Italy).

Professor Dr. Tilak de Alwis, Southeastern Louisiana University (USA)

Prof Dr William Ebeid, Emeritus Professor, Faculty of Education, Ain Shams University (Egypt).

Prof. Omar Hassan El Sheikh, University of Jordan (Jordan).

Professor Paul Ernest, Professor of the Philosophy of Mathematics Education, University of Exeter (UK).

Prof. Dr. Gabriele Kaiser, Hamburg University (Germany).

Dr. Madeleine J. Long, Program Director, American Association for the Advancement of Science (USA).

Prof Dr Fayez Mina, Dept. of Curriculum & Instruction, Faculty of Education, Ain Shams University (Egypt).

Prof Nicolina Malara, University of Modena (Italy)
Prof Dr M. Ali M. Nassar, Director of Planning Center, Institute of National Planning (Egypt).
Professor Lionel Pereira Mendoza, Associate Professor, National Institute of Education (Singapore).
Professor Angela Pesci, University of Pavia (Italy)
Prof. Medhat Rahim, Lakehead University, Faculty of Education (Canada).
Professor Filippo Spagnolo, University of Palermo, Sicily, (Italy).
Professor Dr. Alicia Villar Icasuriaga, Instituto de Profesores "Artigas" (IPA), Montevideo, (Uruguay)
Dr. Arthur L. White, Mathematics, Science, and Technology Education, The Ohio State University (USA)
Professor. Wacek Zawadowski, Warsaw University (Poland).

Local Organizing Committee

Chairman: Prof. Dr. Noor Azlan Ahmad Zanzali, Faculty of Education, Universiti Teknologi Malaysia (UTM).

Local Programme Committee:

Associate Prof. Dr. Md. Nor Bakar

Associate Prof. Dr. Zaleha Ismail

Associate Prof. Dr. Mohini Mohamed

Associate Professor Aziz Nordin - in charge of programmes with local teachers

Technical arrangements - Dr. Zaidatun Tasir

Secretariat:

En. Asram Sulaiman @ Saim

Puan Sumi Hj. Isman

En. Bahrim Kasim

SuperCourse

The new International Project - SuperCourse - began work in 2001 and now has writing teams and writers throughout the world. Our First International Conference for SuperCourse was held in June/July 2001 in Zajaczkowo, Poland. Subsequent meetings were held in Ciechocinek in 2003 and 2004. Malaysia 2005 will be the next opportunity for new participants to find out all about this project and its future work. Work is ongoing internationally for SuperCourse. Two years draft text books have already been completed in Poland on schedule in January 2003 and testing has been done throughout 2003/4. We look forward to continuing this work with our writing teams in 2005. A **Resources Book** in English and in Arabic has already been published by the SuperCourse Arabic Group in Cairo.

The Mathematics Education into the 21st Century Project

Our project is an international FORUM for the interaction of both researchers and teachers; innovation is our immediate concern but we also have some special interests: maths for living, humanizing maths education, equity and ethnomathematics, the effective use of new educational technology in the classroom, adopting new paradigms...etc. Our accumulated and current experiences are represented by the five volumes of conference proceedings (in addition to our UNESCO handbook). There are more than 40 years of research-in-action behind our project work - going back to the vast didactic innovations of SMP and other projects in the 1960s in the UK, initiatives in Holland and Scandinavia, Australia, Brazil, etc in the 1970s and 1980s, and many other major innovative projects in the world. Our Project has tried to learn as much as possible from as many people as possible with the aim of IMPLEMENTING these innovative ideas in all our work, culminating now in SuperCourse. Those who have read the seminal works of Polya, Kuhn, Lakatos, Wittgenstein and Freire will see how much our Project owes to those creative thinkers for its scientific underpinning.

Our project's very strong positive approach to communication and collaboration is a central objective of the conferences - to put teachers and researchers in contact and to recruit both to our international SuperCourse work. That is why we do not restrict our conference ONLY to research papers, in the end we are a conference dedicated to INNOVATION, and this often includes many significant new ideas and classroom experiences from teachers.

Conference Organisation

The Conference Working Sessions will include:

- Plenary Speeches & Plenary Forum/Round Table
- Paper Presentations
- Working Group Meetings
- Workshops
- Open Forum of Ideas
- SuperCourse Meetings for General Information and for Writers
- Special presentations from local teachers and mathematics educators.

Plenary Speakers

There will be a Plenary Talk in the Opening Session by a prominent Malaysian Mathematics Educator. Also a Plenary Round Table Session with invited contributors from local teachers and around the world.

Working Groups

Working Groups will be small and focused on a specific Topic. To ensure that this works well, all DISCUSSION sessions will be separate from the working group paper presentations, to the benefit of both. The Working Group Leader will circulate beforehand a Position Paper to summarise the present state of the art in that Topic and to guide and stimulate the constructive discussions. After the conference each Working Group will produce a summary paper which will be circulated before our next Project Conference to continue progress in each Working Group.

Workshops

We are planning to hold as many **hands-on workshops** as possible. Please let us know if you would like to hold a workshop, what topic you will present, and how this will fit into the conference theme. Please let us know soon as the number of workshops may be limited.

Open Forum of Ideas

Part of the first day of the conference will be devoted to an open "Forum of Ideas" in which ALL participants are invited to display their materials and software in all languages in a continuous exhibition throughout the conference area. This was the theme for our very successful first day of the 2001 Zajaczkowo, 2002 Sicily, 2003 Brno and 2004 Ciechocinek meetings so we are repeating the successful formula! If you would like to exhibit/display in the Open Forum of Ideas PLEASE bring **as much material and software as possible** of yours or others (preferably visual) and we will provide space to display it. Please bring your own PC if you wish to display or sample software. Posters are also welcome. The objective of the session is to provide a smorgersboard of the best things available around the globe in an open continuous session that allows all participants to circulate and visit and talk to the presenters that interest them most.

Our Major Sponsors

The Conference wishes to thank our continuing Major Sponsor **Autograph** who will be exhibiting their excellent educational technology throughout the conference and also holding hands-on workshops. The Conference will also be featuring the innovative **CASIO** Graphic Calculators and especially **CLASS PAD 300** - a hand-held calculator/computer with many new inbuilt features and programmes which will be useful in the classroom in the teaching of mathematics.

Call for Papers

We welcome papers that deal with mathematics, statistics and computer education, which relate to innovative ways to help students and teachers deal with the problem of making mathematics more "alive", more "realistic" and more "accessible" in the future. This could take the form of a paper on

- problem solving
- use of technology
- new ways of assessment
- ways of dealing with cultural differences
- overcoming gender and social barriers
- improving the curriculum
- using the statistics of everyday life
- effectively utilizing new paradigms in teaching and learning
- applications of mathematics and modelling in the real world
- rich learning tasks
- computer graphics
- teacher education
- and so on...

Those wishing to present a paper should send an abstract indicating what area of mathematics education their topic falls under and in what specific way their paper will relate to the theme of the conference. The official language of the conference (and of the proceedings which will be published before the conference) will be English.

Deadline for submitted papers:

Abstracts should be sent NOW or as soon as possible, and complete papers before **August 1st, 2005**. Please note that papers can only be included in the final program and printed in the Proceedings if received from participants who have **already registered** for the conference **and have paid the registration fee**.

Format for submitted papers

The paper **must be** in the form of a **Microsoft Word Document** sent by **email attachment**, **OR (ONLY if email is NOT available to you)** on an **IBM PC formatted disk** by registered airmail to: **Dr. Alan Rogerson, ul LISTOPADOWA 1/45, 60-153 POZNAN, Poland**.

Papers must be **single spaced**, **Times New Roman font**, size **12** and must be **NOT longer than 6 pages (please do not send papers in smaller fonts!)** Please make sure there are **NO editing or correcting programs still active**. Please ensure there are **NO MACROS**, **NO headers**, **NO Footers** and **NO page numbers**. **ALL** non-text items in the paper (diagrams, graphs, etc) **MUST** be included in the body of the text in the appropriate places. **PLEASE** check, **BEFORE** you send it, that your paper prints out correctly using Microsoft Word (we have had problems with this in the past). Please ensure

that your document is **virus free** by using McAfee or Norton anti-virus scans. Please do NOT send multiple copies of your paper and please do NOT send pdf files.

(PLEASE BE SURE TO FOLLOW THESE INSTRUCTIONS, OTHERWISE YOUR PAPER WILL BE RETURNED TO YOU FOR CORRECTION)

Displays & Exhibition

There will be a resources display and commercial exhibition throughout the conference. Please get in touch immediately if you wish to display educational or commercial materials, as space is limited. Sponsors in Malaysia will include:

- **AUTOGRAPH**
- **CASIO**
- **Greygum Software**
- **VSG Enrichment**
- **The Hong Kong Institute of Education**
- **SNM**
- **Wholemovement**

Registration

Please note that for this conference there will be a **special combined registration and accommodation fee** (below) which will pay for **everything** (except some dinners), **starting** with the evening Welcome Reception on Dec 25th and **finishing** with lunch on Dec 1st.

The **all-inclusive conference fee** will pay for

- accommodation and breakfast for the nights of Dec 25- Dec 1st (6 nights)
- all conference documents, including proceedings
- all conference lunches & 2 tea/coffee breaks a day
- welcome opening reception, full day excursion, and a special Gala Dinner

The Conference will be held in the splendid and exotic **Five-star Eden Garden Hotel**, www.edengarden.com.my. It is less than an hour's drive from both Senai and Singapore airports and is only ten minutes drive from the CBD of Johor Bahru. All 400 elegant deluxe guest rooms are air-conditioned with en-suite bathroom, television (14 channels and 2 in-house movies), telephone and mini-bar. The Eden Garden Hotel overlooks the Straits of Johor and Singapore. The Hotel is actually situated uniquely within an integrated duty-free zone which includes a four storey atrium style shopping complex accessible directly from the hotel. The Hotel has five different restaurants serving International, Malaysian, Chinese and Thai food, and boasts a 7th floor open-air swimming pool with commanding views of the sea and Singapore. There is also a gymnasium, spa pool, sauna and steam rooms (all free to hotel guests) as well as a massage center (Thai, Swedish, Shiatsu and foot reflexology).

The conference will open with a **Welcome Reception on Friday, November 25th** and finishes after **lunch on Thursday, December 1st**. The Excursion will be on Monday, November 27th to the historic city of **Malacca**. Side tours and trips can be arranged to Kuala Lumpur, Penang, Singapore and other places in South East Asia before and after our conference. Malaysia is one of the most popular tourist destinations in the world and lies close to the equator and hence is accessible from both Northern and Southern hemispheres. With its own unique history Malaysia is also a vibrant and developing country, with many tourist resorts and hotels that meet all modern standards. Malaysia has beautiful beaches

and rainforests and a welcoming and friendly people. Malacca, where we will have our Excursion, is one of the oldest and most well preserved Portuguese/Dutch colonial cities where time seems to have stopped still - our visit there will be an unforgettable experience!

Linked Conferences Participants may like to combine our conference with conferences to be held just before and just after ours:

Kingfisher Delta'05 The Fifth Southern Hemisphere Symposium on Undergraduate Mathematics and Statistics Teaching and Learning, World Heritage Fraser Island, Queensland, Australia, 22-26 November 2005. For further details visit the website: <http://www.maths.uq.edu.au/delta05/index.php>

Mathematical Association of Victoria (MAV) Annual Conference, Melbourne, Thurs 1 and Fri 2 Dec 2005. *Mathematics - Celebrating Achievement*: <http://www.mav.vic.edu.au/pd/confs/index.html>

All-Inclusive Conference Fee

Early-bird (until April 31st 2005): 390 euro (twin/double share) 470 euro (single)

From Apr 31st 2005: 410 euro (twin/double share) 490 euro (single)

From Oct 1st 2005: 430 euro (twin/double share) 510 euro (single)

The all-inclusive Accompanying Person fee is 320 euro (twin/double share) 390 euro (single)

And includes -accommodation and breakfast for the nights of Dec 25- Dec 1st (6 nights)

-all lunches for six days

-welcome opening reception, full day excursion, and a special Gala Dinner

-three tours: a day tour to Johor Bahru, a day tour to a local Fishing Village and a half-day tour to an Orchid farm

Accommodation

For a surcharge of 5 euro a night you may also reserve a room with a view of the sea. In addition there are luxury suites available at a higher cost, please fill in the registration form below if you require further information about these. All participants should make ALL their reservations and accommodation bookings **ONLY** on the registration form below **AND NOT DIRECTLY WITH THE HOTEL** because the conference rooms are blocked for us at a specially reduced rate.

For a few days before and after the conference these special room rates will **ALSO** be available for all participants, but only if you make these bookings when you register.

Participants travelling alone who wish to twin-share a room with other participants should request this in the form below. While we will do our best to meet all such requests, this cannot be guaranteed if the rooms are not available and **single rate may apply**. All reservations and room requests will be handled on a first-come first-served basis. All accommodation requests will be acknowledged within a week.

We reserve the right to accommodate participants in other nearby hotels (at the same rate) in the unlikely event that the Conference Hotel rooms are all full.

Travel to and from Johor Bharu, Malaysia

Our conference hotel was deliberately chosen so that participants coming on International flights can arrive either at nearby Senai airport or at Changi Airport, Singapore. Travel arrangements from there to our conference hotel will be quick and easy, full details will be sent soon. We are trying to organize special arrangements to meet participants on arrival at either Senai or Changi airports and **if this will**

be possible the cost will already have been paid in your registration fee. **Please note, however, that you will need to organize and pay personally for your travel from the conference hotel to the airport on your departure.** There should be ample time during the conference to arrange this through the local resident travel agent.

Pre- and Post-Conference Tours

As far as possible you should make your own private arrangements for tours before or after the conference. If you need local help, however, we can put you in touch with our local travel agent who may be able to assist you.

Extra nights at the conference hotel both before and after the conference **can** be reserved as long as you let us know the EXACT DATES in advance when you register.

General Information

Visas may be required for entry to **Singapore** and **Malaysia**, please **consult in good time** your Travel Agent and/or your local Consulate or Embassy to check the entry requirements in your case.

Health & Personal Insurance Neither the conference nor the Hotel are responsible for health or personal insurance. We strongly advise all participants to ensure that they have arranged adequate personal travel and health insurance while abroad. Your travel agent will be able to advise you.

Climate and Clothing: November/December in Malaysia means that the daily temperature range is around 21-34 degrees C. Be prepared for wet tropical storms, also!

Electricity 240 volts AC. Please ensure you have a **correct adapter**, especially for your computer.

Banking and Currency: Money may be exchanged at the airport, in hotels and in banks, The currency in Malaysia is the Ringgit, **4.5RM = 1 euro** (approximately). PLEASE check rates as they fluctuate from day to day. Major credit cards are accepted in most shops and hotels.

Full Conference Registration Form – Malaysia 2005

Use **email Reply** to send or attach the completed form below to arogerson@vsg.edu.au OR **ONLY if email is not available** send by **registered airmail** to: **Dr. A. Rogerson, ul LISTOPADOWA 1/45, 60-153 POZNAN, Poland.** All emails will be acknowledged, please re-send if you do not hear from us after a week.

Phone number in Poland for urgent or emergency messages **ONLY** is:

(international code) +48-61-6620528 (Tel/FAX) and +48-604426763 (Mobile)

PLEASE ONLY USE THE FORM BELOW AND COMPLETE ALL SECTIONS

for registration, reserving accommodation and presenting papers.

First Name:

Family Name:

Male/Female:

Title:

Affiliation/Organisation/Institution:

Full postal address (including country and zip code):

e-mail:

Phone:

Fax:

Name(s) of accompanying person(s):

I would like to present a paper with the title:

.....

I am travelling **alone** and would like to have a **twin share** room with another participant **Yes/No**

OR I would like to share a room with (name)

Please **choose** either **twin bed** or **double bed** room.....

OR I would like a single room.....

I wish to reserve a room with a sea view at an **extra cost of 5 euro a night** yes/no.

I wish to have further information about the costs of luxury suites in the hotel yes/no.

Arrival Date

Departure Date

Total Number of nights required

Flight Arrival in Senai ...or Singapore.....Date

Flight

Arrival Time

Flight Departure from Senai.... or Singapore.... Date

Flight

Arrival Time

Full Names of **all** accompanying persons resident in the hotel are as follows:

Payment Details

We regret payment by credit card is NOT possible, as this would have added 8% to the overall fee. PLEASE DO NOT SEND CASH (NOR TRAVELLORS CHEQUES WHICH SOMETIMES DON'T ARRIVE HERE!) BY POST UNDER ANY CIRCUMSTANCES.

I wish to register for the conference at the appropriate Registration Fee**EURO (1)**

I wish to register accompanying persons for a total cost of**EURO..(2)**

TOTAL COST (add up (1), (2) above)EURO

An **electronic transfer/bank draft/money order** (circle one) for the above amount was sent on (date)

..... drawing on **MY** account number in the name of

..... at the bank (please give full details of YOUR account and bank please).....

Please give us the fullest possible details of your payment so that its arrival can be checked and verified ASAP.

Please send total fee in EURO (NOT in US\$) to:

Name of Account: ALMA

Number of Account: 43124032201111000035346872

Name of bank: Pekao SA IVo Poznan

Address of bank: Pl. Wolnosci 17, 61-739 Poznan, Poland

Swift Code: PKOPPLPW

International IBAN code: PL43124032201111000035346872

Please note the above account details ARE correct and WORK – if your bank clerk does not understand this, ask the manager or talk to someone more experienced!

******The recommended method is by electronic (SWIFT) transfer*******

Any cheques or drafts **in euro** should be sent **ONLY** by registered **airmail post** to **ALMA -Dr. A.**

Rogerson, ul LISTOPADOWA 1/45, 60-153 POZNAN, Poland, with the cheque, draft made out to

Alan Rogerson-ALMA (NOT the Mathematics Education into the 21st Century Project).

Refund Policy

Cancellation of registration must be in writing or email to the address above. If the notification of cancellation is post marked **before September 1st, 2005** fees will be refunded, but reduced by 10% or more to cover administration and bank charges. Please note that **after September 1st, 2005 no refund will be possible**, but the Conference Proceedings will be mailed to you by surface mail.

We look forward to hearing from you and to meeting and working with you in Malaysia! Please get in touch if you have any questions or problems.