

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 by

ALMA (Teacher Training Centre, Poland),

announce our

Seventh International Conference

"The Future of Mathematics Education"

June 26th – July 1st, 2004

Ciechocinek, Poland

Major Sponsors: CASIO & Autograph

You are invited to attend another very special conference in the heart of Europe in one of the most beautiful spa towns in Poland, Ciechocinek. The time and place were deliberately chosen to encourage teachers and mathematics educators from around the world to communicate with each other about the challenges of **The Future of Mathematics Education**. This conference follows our first six 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 rainforest in Australia 2001, on the beautiful coast of Sicily in 2002 and in the historic capital of Moravia, Brno in 2003.

The Ciechocinek 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, 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/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

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

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.ednalma.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>

For the Ciechocinek conference: <http://dipmat.math.unipa.it/~grim/CiechocinekFirstAnnouncement.pdf>

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, Associate 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 Organizer: Maria Fryska, ALMA, Poznan

Conference Organisation

The conference will open with dinner on Saturday, June 26th. The **last working day** of the conference will be 30th June, and the conference finishes with **breakfast on July 1st**. Side tours and trips can be arranged to Krakow, Warsaw and other places in Poland and on the way to ICME 10 in Denmark. It should be an ideal chance to relax before the rigours of the big ICME conference if you are going there!

The Conference Working Sessions will include:

- Plenary Speeches
- Paper Presentations
- Working Group Meetings
- Workshops
- Open Forum of Ideas
- SuperCourse Meetings for General Information and for Writers

SuperCourse

The new International Innovative 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. The second meeting was in Ciechocinek 2003 and Ciechocinek 2004 will be the next opportunity for new participants to find out all about this project and its future work. SuperCourse writers attending Ciechocinek 2004 will have an opportunity to meet, plan and write in separate groups for English, Italian and Arabic versions. 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 ongoing throughout 2003. We look forward to continuing this work with our sponsors and writing teams in 2004. A Resources Book in English and in Arabic has 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 a 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, and 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 in 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.

Invited Plenary Speakers

Professor Ivan Meznik, Brno University of Technology, Czech Republic (title to be announced).

Dr Alan Rogerson, UK/Italy/Australia/Poland will speak about the role of SuperCourse in the future of Mathematics Education globally.

In addition, we are planning an Open Plenary Round Table Session with invited contributors from around the world.

Working Groups

Working Groups will be small and focussed 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. It is also expected after the conference that 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 and 2003 Brno meetings so we are repeating the formula! If you would like to exhibit/display in the Open Forum of Ideas PLEASE bring with you **as much material and software as possible** of yours or others (preferably visual) and we will provide space for it. Please bring your own PC if you wish to display 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 most interest them.

Our Major Sponsors

The Conference wishes to thank our continuing Major Sponsors **CASIO** and **Autograph** who will be exhibiting their excellent educational technology throughout the conference and also holding hands-on workshops. The Conference will be featuring the innovative **CASIO CLASS PAD 300** - this exciting new technology developed by CASIO will be strongly featured at the Ciechocinek Conference. **Class Pad 300** is a hand-held calculator/computer with many new inbuilt features and programmes which will be useful in the classroom for the teaching of mathematics.

Call for Papers

We welcome papers that deal with mathematics education and its future, with 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 **April 15th, 2004**.

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 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 Brno will include:

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

Registration

Please note for this conference there will be a **special combined registration and accommodation fee** (below) which will pay for **everything, starting** with dinner on June 26th and **finishing** with breakfast on July 1st.

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

- ALL** conference dinners, lunches & coffee breaks
- all conference documents, including proceedings
- welcome opening reception, half day Excursion, and a Special Gala Dinner
- accommodation and breakfast** for the nights of June 26- June 30th (5 nights)

All-inclusive conference fee (BUT SEE BELOW)

Early-bird Registration (until January 31st, 2004): **400euro (single) & 380euro (twin)**

From Feb 1st, 2004: **410euro (single) & 390euro (twin)**

From June 1st, 2004: **430euro (single) & 410euro (twin)**

Only a few Twin Share (2 bed) rooms are available. There are plenty of single and double -bed rooms.

The All-inclusive Accompanying Person fee is 320euro and includes

- ALL** conference dinners, lunches & coffee breaks
- welcome opening reception, half day Excursion, and a Special Gala Dinner
- accommodation and breakfast** for the nights of June 26- June 30th (5 nights)
- other tours on two days to be notified later**

PLEASE NOTE - No one is sure how much VAT tax will be charged after April 2004 when Poland joins the EU. The fees we have quoted assume the existing rate of 7% VAT rate but it seems inevitable that this will be increased to at least 10% and possibly 22%. In the former case we will hold to the fee prices already quoted, with the help of sponsors funds, but if the rate will be 22% we will have to ask participants to cover the small extra cost, which will be an absolute maximum of 20 euro TOTAL extra charge for the five days stay.

IF however you can register and pay the fee BEFORE the end of January 2004 we can promise that there will be no later extra fee charge!

Accommodation

The Conference will be held in the Health Resort "Pod Tezniami". The name means "Under the Tezania" - the famous and unique Ciechocinek graduation towers built entirely of wood to concentrate the natural salts in the local mineral waters. The Health Resort "Pod Tezniami" is in the centre of town, has its own indoor heated swimming pool and sauna for guests, the standard of rooms and conference facilities is high: all rooms have en suite bathroom, phone, TV and radio. See www.podtezniami.pl for further details in several languages. Ciechocinek is one of the most beautiful spa towns in Poland, there are the natural mineral waters, which you can drink or bathe in, a special micro-climate renowned for reducing blood pressure, and parks, restaurants, an outdoor and indoor theatre, cafes, bars and dancing places, all in a small and secluded town close to the Visla River. It has such a relaxed atmosphere that bicycles and pedestrians, not cars, rule in Ciechocinek. See www.ciechocinek.pl for further information in several languages!

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 specially blocked for us.

For a few days before and after the conference these special room rates may ALSO be available for all participants, we will inform you of the rates 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**. Please note that 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.

There are outdoor parking places available at the Hotel **at a rate of 8 zł a day** that should be paid by you directly to the hotel - and free and meter STREET parking around the hotel.

Travel to and from Ciechocinek

Poland is easily accessible by plane, car, bus and train within Europe. Participants arriving on International flights at Warsaw can make their own way to Ciechocinek (the nearest major city is **Torun**), or we MAY be able to organise special transport (estimated cost 30 euro one way) depending on time of arrival. We will send all relevant information on transport as soon as possible - **please note that however you travel, you will need to pay personally for your travel to Ciechocinek**

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 a local Polish travel agent.

General Information

Visas are often required for entry to Poland, please **consult in good time** your Travel Agent and/or your local Consulate or Embassy to check the entry requirements in your case. Poland is scheduled to join the EU in May 2004 so **please check** as the situation may be much easier re visas. Please note however that the currency in Poland in 2004 will still be the zloty and **NOT** the euro, even if we are in the EU!

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: June/July in Poland means that the daily temperature range is hot/warm with a range of around 20-30C. Be prepared for unseasonable wet or cold weather, however!

Electricity 240 volts AC. Please ensure you have a **correct adapter (standard European two-pin)**, especially for your computer.

Banking and Currency: Money may be exchanged at the airport, in hotels and in banks, PLEASE NOTE the currency in Poland is the **Zloty (NOT the euro)** - very approximately 4.5 zł = 1 euro = 1.2US\$). PLEASE check rates as they fluctuate from day to day.

Major credit cards are accepted in many Polish shops and large hotels.

Full Conference Registration Form – Ciechocinek 2004

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.....

Only a few Twin Share (2 bed) rooms are available. There are plenty of double-bed rooms.

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

Arrival Date

Departure Date

Total Number of nights required

Flight Arrival Details in Warsaw: 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 10% to the overall fee.

PLEASE DO NOT SEND CASH 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: 10801369-1290314-27003-894000

Name of bank: Pekao SA IVo Poznan

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

Swift Code: PKOPPLPW

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 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 May 1st** fees will be refunded, but reduced by 10% or more to cover administration and bank charges. Please note that **after May 1st 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 Ciechocinek! Please get in touch if you have any questions or problems.