

# Second Announcement and Call for Proposals

## October 2008

**The Mathematics Education into the 21st Century Project**  
together with  
**The University of Applied Sciences Dresden (Germany)**  
are proud to announce our

**10<sup>th</sup> (Anniversary!) International Conference**  
**“*Models in Developing Mathematics Education*”**  
**September 11-17, 2009**  
**Dresden, Saxony, Germany**

in cooperation with

**Saxony Ministry of Education**  
**Saxony Ministry of Science and Art**  
**The Institute for Educational Progress (IQB), Berlin**  
**Dresden University of Technology (TU)**  
**Gesellschaft für Didaktik der Mathematik (GDM)**  
**MUED, DQME II, MAV, MERGA, Wholemovement**  
**The Hong Kong Institute of Education**

### Major Sponsors

**CASIO** [www.casio-europe.com](http://www.casio-europe.com) **Autograph** [www.autograph-maths.com](http://www.autograph-maths.com)  
**Dynatech** [www.dynatech.de](http://www.dynatech.de) **VON ARDENNE** [www.vonardenne.biz](http://www.vonardenne.biz)

The Mathematics Education into the 21<sup>st</sup> Century project, in partnership with the Dresden University of Applied Sciences, warmly welcomes you to our 10<sup>th</sup> International Conference on “*Models in Developing Mathematics Education*” from Sep 11-17, 2009, in the heart of the historic & beautiful city of Dresden. The conference **will open** with an evening Welcome Reception on Friday, Sep 11 and **will finish** with lunch on Thursday, Sep 17. There will be an additional social programme for accompanying persons. The chairman of the Local Organising Committee is **Prof. Dr. Ludwig Paditz of the Dresden University of Applied Sciences**. For ALL further conference details and updates please email [alan@rogerson.pol.pl](mailto:alan@rogerson.pol.pl) (please delete the out of date addresses [arogerson@inetia.pl](mailto:arogerson@inetia.pl) and [arogerson@vsg.edu.au](mailto:arogerson@vsg.edu.au) from your address book )

### **Our Invitation: “Come and Join us in the Heart of the New Europe”**

Our conferences are renowned for their **friendly and productive working atmosphere** and are attended by innovative teachers and mathematics educators from all over the world – for example 32 countries were represented at our 2007 conference in the USA! The conference in Dresden follows on from our nine previous Project Conferences held

in the following places: next to the pyramids in Cairo in 1999, in the historic Holy Land in Jordan in 2000, a country retreat in Poland 2001, where the Great Barrier Reef meets the rain forest in Australia 2001, on the coast of Sicily in 2002, in Brno, the historic capital of Moravia, Czech Republic in 2003, in Ciechocinek, a spa town in Poland in 2004, in Malaysia overlooking the Straits of Johor and Singapore Island in 2005, and in the scenic surroundings of Charlotte, North Carolina, USA in the New World in 2007.

The Dresden 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 worldwide through the publication and dissemination of innovative ideas and materials. 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 Pollak, Werner Blum, Roberto Baldino, Waclaw Zawadowski, and many others throughout the world.

Information about our project and future work can be found on the following webpages. Our Project Home Page: <http://math.unipa.it/~grim/21project.htm> leads directly to the Dresden Conference First Announcement pdf and to the paper proceedings of all previous conferences. Filippo Spagnolo, of Palermo University, is webmaster for the above site. Andreas Filler at <http://www.afiller.de/charlotte07> has a photo album of our Charlotte Conference and also at <http://www.ph-heidelberg.de/wp/filler/ciecho04/index.htm> of our Ciechocinek Conference. For the Brno conference there is also a local Website with all English and Czech papers at <http://www.math.muni.cz/matheduconf.sept2003> For our Polish Superkurs Home Page and National Planning Meetings webpage see: [www.cdnalma.poznan.pl](http://www.cdnalma.poznan.pl) (in Polish - but with pictures!)

**The Mathematics Education into the 21st Century Project** has the following **National Representatives:** Dr. 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 India, 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, Lionel Pereira-Mendoza Canada, 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.

## **SuperCourse**

Our latest International Initiative - 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. National Polish SuperCourse meetings have been held every year after 2002 in Ciechocinek, Poland and work is ongoing internationally for SuperCourse. A Resources Book in English and in Arabic has already been published by the SuperCourse Arabic Group in Cairo. Two years draft text books have been completed in Poland in January 2003 and testing has been ongoing throughout 2004-8 in Poland and in Germany, Hungary and the UK as part of two European Union Comenius Projects: DQME I and DQME II. We look forward to continuing this work with our writing teams in 2008/9 linked to the EU Comenius Continuation Network Project DQME II.

## **Dresden 2009 Conference Committees**

### **International Program Committee**

#### **Chairmen**

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

Prof Dr Fayez Mina, Professor Emeritus, Ain Shams University (Egypt).

Prof Khaled Abuloum, University of Jordan (Jordan).

Professor Roberto Baldino, UNESP (Brazil).

Dr Andy Begg, Auckland University of Technology (New Zealand).

Dr. Donna F. Berlin, The Ohio State University (USA).

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

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

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

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

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

Professor Paul Ernest, University of Exeter (UK).

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

Dr. Madeleine J. Long, Hunter College, City University of New York (USA).

Prof Nicolina Malara, University of Modena (Italy).

Prof Dr M. Ali M. Nassar, Institute of National Planning (Egypt).

Professor Lionel Pereira Mendoza, Educational Consultant (Canada).

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, IPA, Montevideo, (Uruguay).

Dr. Arthur L. White, The Ohio State University ( USA).

Professor. Wacek Zawadowski, Siedlce University (Poland).

### **Local Organizing Committee**

#### **Chairman:**

Prof. Dr. Ludwig Paditz, Dresden University of Applied Sciences.

#### **Vice-Chairman**

Dr. Rainer Heinrich, Ministry of Education of Saxony.

Prof. Dr. Stefan Deschauer, Dresden Technical University.

Prof. Dr. Michael Jung, Dresden University of Applied Sciences.  
Prof. Dr. Claus Lange, Dresden University of Applied Sciences.  
Prof. Dr. Klaus Neumann, Dresden University of Applied Sciences.  
Prof. Dr. Wolfgang Preuß, Dresden University of Applied Sciences.  
Prof. Dr. Matthias Richter, Dresden University of Applied Sciences.  
Prof. Dr. Margit Voigt, Dresden University of Applied Sciences.  
Prof. Dr. Matthias Weber, Dresden University of Applied Sciences.  
Dr. Hans-Dieter Dahlke, Dresden University of Applied Sciences.  
Dr. Martina Timmler, Dresden University of Applied Sciences.

## CALL FOR PROPOSALS

**The Mathematics Education into the 21st Century Project** serves as an international forum for both researchers and teachers. Innovation is our major objective and this includes special interests such as: maths for living, humanizing maths education, equity and ethno-mathematics, the effective use of new educational technology in the classroom, adopting new paradigms, etc. Our accumulated experiences are represented in the eight volumes of previous **conference proceedings** (in addition to our UNESCO handbook). There are now more than 40 years of research-in-action represented in our project's work - including the vast didactic innovations of SMP and other UK projects in the 1960s and 1970s, national initiatives in Germany, Holland, Scandinavia, Australia, Brazil, etc in the 1970s and 1980s, and many other major innovative projects throughout 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 the teaching of mathematics, science, statistics and informatics in schools and higher education. The scientific underpinning of our project's work owes much to the seminal works of creative thinkers such as Polya, Kuhn, Lakatos, Wittgenstein and Freire.

### The Major Goals of this Dresden Conference

- To support **communication and collaboration** - to put teachers and researchers in contact for their mutual benefit.
- To present and publish **not only** research papers, but also significant new ideas and classroom experiences from teachers.
- To share **innovative and creative models** for enacting reform in the areas of: educational research in teaching and learning, educational technology, curriculum development, mathematics teachers preparation and development, school organization and policy, classroom practices and issues of equity and ethno-mathematics
- To document and widely disseminate **ideas and models** presented at the conference
- To initiate **new and creative models** to help solve endemic problems in education.

The Program Committees for the Conference invite mathematics, statistics, informatics and science teachers, university faculty members, national and regional coordinators and administrators from all countries to submit proposals for inclusion in the Conference Programme and publication in the Conference Proceedings.

We welcome proposals that deal with all aspects of **innovative models** in mathematics, statistics, science and computer education, especially those helping to make these subjects more "alive", more "realistic" and more "accessible" to students in the future. Your proposal could take the form of a paper or workshop on models for:

- problem solving and modelling
- use of technology
- assessment
- dealing with cultural differences
- overcoming gender and social barriers
- improving the curriculum
- teacher preparation and ongoing in-service development
- policy initiatives
- school organization
- classroom practices
- using statistics in everyday life
- effectively utilizing new paradigms in teaching and learning
- rich learning tasks
- applications of mathematics in the real world
- the use of mathematics in the sciences and in informatics

If you wish to present a **paper** or **workshop** please send a **proposal of less than one page** clearly indicating:

- your name and institution
- your email address
- the title of your paper
- a short summary or abstract of your paper or workshop
- what area of innovative education your topic falls under
- what specific way your paper/workshop will relate to the theme of the conference.

English will be the official language of the conference (and of the proceedings which will be printed before the conference, and available on-line afterwards).

Please note, however, we are planning **special parallel working sessions** at the weekend for teachers and mathematics educators in German, Polish and possibly also Czech/Slovak. Please indicate if you are interested in participating in these sessions and presenting a paper in those languages.

## **Deadlines**

**1. Proposals** should be sent as an MSWord document **by email only** as soon as possible, and not later than April 25, 2009, to [alan@rogerson.pol.pl](mailto:alan@rogerson.pol.pl).

## **2. For workshop presenters**

Please send a "workshop summary" of 1-6 pages which will be published in the pre-conference printed proceedings and also online after the conference. This is to help you

advertise your workshop to participants who will have the proceedings in their hands when they register, and also to have a permanent record of your work after the conference. Please note all **detailed format requirements below** apply to both workshop summaries and papers.

### **3. Abstracts**

Please include **at the start of your final paper or workshop summary** an abstract which should NOT be longer than 15 lines (font12). Below is a **MODEL paper formatted exactly as we require**, including the correct placement of the abstract – please use this to guide you in formatting your paper correctly. Below are the detailed instructions for sending papers and workshop summaries, **please follow them to the letter** so we can edit your papers easily and quickly. Papers not fulfilling these requirements will be returned for correction! (Please note that IF you put your email address in your document it will facilitate colleagues getting in touch with you but at the same time it will also place your email address automatically in the public domain)

**4. Final Papers and Workshop-Summaries** should be sent as MSWord documents by email to arrive as soon as possible and **not later than April 30, 2009**.

All accepted proposals will be eligible for presentation in the conference programme and inclusion in the pre-conference printed proceedings and the post-conference on-line proceedings.

Please note that papers can only be included in the final programme and printed in the proceedings if received from participants who have **already registered** for the conference **and have paid their registration fee**.

All presenters will be allocated in the conference programme a **minimum of 30 minutes (papers) and 45 minutes (workshops)** to describe their innovative practice(s) and highlight how they have worked in their respective countries and professional settings. Each presentation should be structured as follows: (1) Statement of the problem or obstacle that spurred the innovation; (2) description of the model for solution/innovation; (3) description/evidence of the extent to which the model was successful with respect to the targeted problem/obstacle; and (4) possibilities for transfer of the model to different environments.

After the individual presentation is completed, there will be questions and answers and an open discussion facilitated by a session moderator/chairman **only** if there is time remaining **within the 30 or 45 minutes allocated above**. Please prepare your presentation so that it does not simply repeat your paper word for word (all participants will have in front of them the text of your paper in the pre-conference printed proceedings). Please ensure that you allow some time for discussion and questions and answers after your talk, within the strict time limits mentioned above. Working Group leaders have been asked to insist that ALL speakers keep strictly to their allotted time as a courtesy to the following speakers!

### **Format for ALL submitted papers and workshop-summaries**

The paper, or workshop-summary, must be in the form of a **Microsoft Word Document** only (NOT pdf or any other formatted files) and must be sent as an **email attachment** (faxes, scanned copies or posted hard copies cannot be accepted).

All Papers and Workshop-summaries should follow these guidelines:

1. Single spaced A4, Times New Roman font size 12
2. Not longer than 6 pages (please do not send papers in smaller fonts)
3. NO headers, NO Footers and NO page numbers.
4. ALL non-text items in the paper (diagrams, graphs, etc) must be included in the body of the text in the appropriate places.
5. NO MACROS nor editing nor correcting programs should still be active.
6. PLEASE check, BEFORE you send it, that your paper prints out correctly using Microsoft Word (we have had problems with this in the past).
7. Please check that your whole text is uniformly formatted throughout in MSWord, and especially watch out for empty format boxes as headers and footers, you should remove these because even though they are not visible they interfere with final editing.
8. Please ensure that your document is virus free by using anti-virus scans.
9. Please do NOT send more than one copy of your paper, there should be only one final MS Word version.

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

**Model Example of How to Start Your Document: Title/Name/etc/Abstract/Text...**

**Reform, Revolution and Paradigm Shifts in Mathematics Education  
Some Examples and Applicable Strategies**

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**Abstract**

The major aims of this paper are: To present paradigm shifts in mathematics education and their implications on the area, to analyze some attempts to implement them and to suggest some applicable strategies to bridge the gap between “theory and practice”. Paradigm shifts in the area lead to many trends in mathematics education, such as: Concentrating on developing creativity, integrated curricula, introducing major changes in the teaching and evaluation processes, employing “complexity” in dealing with different issues, using advanced technology in learning and teaching processes.. etc. The examination of relevant educational materials show that, when these materials are fully applied, there are some models, may be some steps, to be used in developing mathematics education. Nevertheless, there still exists a gap between them and “ theory “. The study is concluded by suggesting some alternatives to those suggested trends in order to bridge the gap between theory and practice, at least in long term.

## **Introduction**

It seems that the real problem is not related to identifying paradigm shifts in mathematics education. It is rather related to the procedures taken to put these shifts into practice. Many educational systems have attempted some reforms in the area of mathematics education, may be revolutions, but still a gap exists between “ theory and practice “, sometimes are due to the whole system of education and other times are due to choices of teachers and parents.

The major aims of this paper are: To present paradigm shifts in mathematics education and their implication on teaching/learning mathematics, to analyze some attempts to implement them <sup>(1)</sup>, and suggest some applicable strategies to bridge the gap between “theory and practice”.

Needless to say, mathematics education is a sub-system of the whole curriculum in a society, which is -in its turn- a sub-system of the educational system in such a society, the societal conditions, as well as the regional and humanistic cultures (including the process of globalization).

## **Paradigm Shifts in Mathematics Education and their Implications on Mathematics Education**

These shifts are based on the paradigm shift in the area of mathematics from seeing mathematics as the study of formal systems to seeing mathematics as a living body <sup>(2)</sup>. This shift has been reflected in primary school mathematics programmes “from seeing mathematics as a large collection of concepts and skills to be mastered in some strict.....etc...etc.....”

**The Conference Working Sessions** from Sep 12-17 will be held in the excellent facilities of **Dresden University of Applied Sciences** which is in easy walking distance from our main conference hotel, the **Pullman Dresden Newa**, and the **Hauptbahnhof – the main Central Railway station**. For more information on the history and mission of this university, please visit [http://www.htw-dresden.de/index\\_e.html](http://www.htw-dresden.de/index_e.html) and [International Office](#)

## **Conference Accommodation**

Our Recommended Main Conference Hotel is the **Pullman Dresden Newa**, an outstanding 4-star hotel situated in the very heart of the city, close to the historic city centre and the river Elbe, and about 200metres from the Hauptbahnhof - the Dresden Main Railway Station. The **Pullman Dresden Newa** has its own private underground parking for those who arrive by car, there is a charge for this – please check with the hotel. The **Pullman Dresden Newa** is only a short walk to the **Dresden University of Applied Sciences** where all our conference working sessions will be held.

The **Pullman Dresden Newa** is offering all participants for the period **arrival Sep 9-departure Sep 18** (includes the two nights BEFORE the conference and ONE night afterwards) a special conference room rate which for such a four star hotel is very good value indeed:

- single room: **104 EURO** per night NOT including breakfast
- double room: **114 EURO** per night NOT including breakfast (this is for the ROOM, so the effective cost per person is actually **57 euro**)



Breakfast is 18 euro **per person** but of course you can have breakfast also in your room or in the local cafes if you prefer.

We have block booked a limited number of rooms at this special price so please register as soon as possible as places will be limited. When you register I will send you a special booking form which must then be sent to the Pullman Hotel (NOT to me) and ALL subsequent hotel arrangements and **full accommodation payments** must then be made by YOU directly with the **Pullman Dresden Newa** hotel (not to me).

**Please note therefore that unlike our previous conferences the Conference Registration Fees below DO NOT include accommodation!**

For those who do not wish to stay in the **Pullman Dresden Newa**, detailed information will be sent to you after registering regarding other accommodation options in Dresden. There are a very wide variety of hotels, motels and hostels in Dresden to choose from with a corresponding variety of prices and room-rates. **Also in this case, it will be the responsibility of participants to make all their accommodation reservations directly with the hotel of their choice, including full final payment to that hotel.**

## About Dresden and Travel to Germany

### Dresden

Is one of the most beautiful and historic cities in Germany. For detailed information see <http://www.dresden.de/dwt/en/sights.php> and especially the very detailed and helpful [http://www.dresden-congress.de/media/pdf/congress/meeting\\_guide\\_komplett.pdf](http://www.dresden-congress.de/media/pdf/congress/meeting_guide_komplett.pdf) Please note the latter is a pdf-file of 15 MB and 72 pages in both English and German.

**Climate and Clothing** The weather in September is likely to be pleasant, but it would be wise to bring a sweater, umbrella and waterproof jacket/coat. September temperatures average a high of 18 C (65 F) and a low of 11 C (51 F). The average daily September rainfall is 0.18 cm (0.07 in.).

**Dresden Airport** see <http://www.dresden-airport.de/en/index.html>

Many cities in Southern and Central Europe, North Africa and the Middle East fly non-stop flights to Dresden. In addition there are regular daily flights to Dresden from the international gateway airport hubs in Europe such as Munich, Frankfurt, Düsseldorf, Zurich, Vienna and London Gatwick. Participants travelling from America, Australia, Africa or the Far East can fly to Dresden connecting via these gateway hubs in Europe. A taxi from the airport to central Dresden will cost about 25euro, but see below for a cheaper way!

**Rail Travel** There is a quick and direct railway link from Dresden airport to the main railway station in Dresden (Hauptbahnhof). Using the fast train No. S2 on the urban rapid transit (S-Bahn), the journey is less than 30 minutes and costs only 1.80euro.

It is also possible to use the German railway system to travel to Dresden main railway station from the airport railway stations at **Frankfurt and Munich**, for example. For those wishing to use the excellent German Rail system to travel from other cities in Europe please see <http://reiseauskunft.bahn.de/bin/query.exe/en?rt=1&> for all details.

The **Pullman Dresden Newa** is only about 200metres from the main Dresden railway station. So even if you are not staying in this hotel and you arrive at the main railway station, please first complete registration for the conference in the **Pullman Dresden Newa**. Once you register you will receive a **City Transport PASS** allowing you to travel free of charge on all the inner city trams and buses and ferries, which will allow you to travel to your hotel free of charge after completing registration.

### **Travelling by Road**

Dresden is a relatively small city and road traffic is well organised and road signs are clear and frequent. It would be helpful, however, to download and print maps from the internet of the city and with these there should be no problem in arriving at your hotel quickly and safely. Your hotel may also be able to give you clear directions about how to get to them depending on which direction you will be arriving from.

**Travel within Dresden:** ALL conference participants will be given a **FREE City Transport PASS** for all Dresden trams and buses (and ferries on the river Elbe) for the duration of the conference. This means even if your accommodation is not close to the university you can still take advantage of free travel to and from the centre every day. IF you book a hotel not in the centre, check that it is close to a tram or bus route into the city centre! **Please note, the PASS is NOT valid for local fast trains in Dresden (the S-Bahn).**

### **Visa Requirements**

These vary from country to country and it is of **paramount importance** that you check the **up to date requirements** for your passport and visa with your Travel Agent and the appropriate German **Government information service** for your country. There is useful information at [Visas for entry into Germany](#)

**Please start enquiries NOW** if you are planning to come so you will have enough time to complete all of the formalities later. **Please email us immediately if you require a letter of invitation**, but please note that such letters may only be sent to participants **who have already registered and paid the conference fee.**

Ludwig Paditz has suggested the following webpages for information on visas etc:

<http://www.auswaertiges-amt.de/diplo/de/WillkommeninD/EinreiseUndAufenthalt/StaatenlisteVisumpflicht.html>  
<http://www.auswaertiges-amt.de/diplo/en/WillkommeninD/EinreiseUndAufenthalt/StaatenlisteVisumpflicht.html>  
<http://www.auswaertiges-amt.de/diplo/en/Startseite.html>  
<http://www.auswaertiges-amt.de/diplo/en/Infoservice/FAQ/VisumFuerD/Uebersicht.html>

## **Conference Organisation**

## Provisional Conference Programme

Day	Time	Events
Friday Sep 11 Pullman Hotel	12.00 -19.00	Conference Registrations
Friday Sep 11 Pullman Hotel	19.00	Welcome Reception (drinks and hot and cold appetizers)
Saturday Sep 12 The University of Applied Sciences	9.00 – 17.00	First full working day
Saturday Sep 12 Dresden Town Hall	18.30 -	Dresden City Reception
Sunday Sep 13 The University of Applied Sciences	9.00 – 17.00	Second full working day
Monday Sep 14	9.00 – 18.00	Full day Excursion
Tuesday Sep 15 The University of Applied Sciences	9.00 -- 14.00	Third working day
	14.00 -	Free time to enjoy Dresden
Wednesday Sep 16 University Mensa	9.00 – 17.00 19.00	Fourth full working day Gala Dinner
Thursday Sep 17	9.00 – 12.00 12.00 –	Final sessions and closing. Lunch and Departures

**The Conference Working Sessions** will feature:

- Plenary Speeches & Plenary Forum
- Paper Presentations
- Working Group Meetings
- Workshops
- Open Forum of Ideas
- Special presentations from local teachers and mathematics educators
- An ongoing Exhibition of educational and commercial materials

### Plenary Speakers

**Prof. David K. Pugalee**

Language and Mathematics: A Model for Mathematics in the 21<sup>st</sup> Century.

Other Plenary Sessions to be announced later.

### Working Groups

Working Groups will be relatively small and focused on a specific Topic. Position Papers will be circulated beforehand to summarise the present state of the art in each Topic and to guide and stimulate the working group discussions. After the conference Working Group summary papers will be circulated, which will form the basis for the Position Papers at our next Project Conference.

### 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 as soon as possible as the number of workshops will 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. In previous conferences this has been a successful way of breaking the ice and putting participants in touch with each other on the first day, 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 sample software. Posters are also welcome. The objective of the session is to provide a smorgasbord of the best things available worldwide in an open continuous session that allows all participants to circulate and visit and talk to the presenters that interest them most. **It is very important that you inform us on your Registration Form if you require exhibition space** for the Open Forum of Ideas and also for the Exhibition throughout the conference (see below).

### **Special Local German (Polish, possibly Czech/Slovak) Teachers Weekend Programme**

In addition to the full International Programme, Sep 11-17, we are also organising a special **Local German Teachers Weekend Programme**, which will commence with the Welcome Reception on Friday Sep 11 and finish Sunday afternoon, Sep 13 (teachers are also able to join us on the Excursion all day Monday if they wish – this is optional of course). The Teachers Programmes will offer specially selected sessions from the international programme, and other sessions for local teachers held in parallel with the international programme. This will enable busy teachers to attend our conference and sample the international flavour, as well as attending sessions in their own language and specially designed to be relevant to them and their local issues. Please see below for registration details.

### **Our Sponsors**

The Conference wishes to sincerely thank our continuing Major Sponsors **CASIO** <http://www.casio-europe.com/> and **Autograph** <http://www.autograph-maths.com/> who will be exhibiting their excellent educational technology throughout the conference, and also holding hands-on workshops. We also thank **Dynatech** [www.dynatech.de](http://www.dynatech.de) and the **Saxony Ministry of Education, Saxony Ministry of Science and Art, the Institute for Educational Progress (IQB)**, Berlin, **Dresden University of Technology (TU)**, the **Gesellschaft für Didaktik der Mathematik (GDM)** and the **VON ARDENNE company** [www.vonardenne.biz](http://www.vonardenne.biz) for their support as Major Sponsors.

The Conference will be featuring innovative **CASIO** Graphic Calculators and especially **CLASS PAD 330** - a hand-held calculator/computer with many new inbuilt features and programmes which will be useful in the classroom in the teaching of mathematics. Other major and minor sponsors will be announced later.

### **Displays & Exhibition**

To help commemorate our 10<sup>th</sup> anniversary conference, there will be an extensive educational resources display and commercial exhibition throughout the conference.

Please get in touch immediately **if you wish to display educational or commercial materials**, as space will be limited, and fill in the appropriate part of the registration form to confirm your exhibition needs.

**The Conference Excursion** on Monday, Sep 14 will be a very special trip. Starting from Dresden City Centre we will go by river steamer along the river Elbe to the nearby famous Saxon Swiss hills and the castle Koenigstein. We have already reserved for our private use one of the very oldest and famous Dresden River Steamers! Buses will take us from the steamer pier to the Castle. The trip includes entry fee to the castle and lunch and refreshments on the boat. "Amidst the extraordinary rock formations of Saxon Switzerland the „*Festung Königstein*” (Koenigstein Fortress) stands towering 361m above sea-level on a table mountain, easily visible from afar. The imposing mountain fortress is not only a magnet for people interested in military history, but also for nature-lovers, who have a fantastic view of the picturesque "*Elbsandsteingebirge*" (Elbe Sandstone Mountains) and the foothills of the „*Osterzgebirge*” (East Ore Mountains) from the mile-and-a-half long fortified walls. The 9.5 hectares of the fortress are full of surprises for all ages..." <http://www.festung-koenigstein.de/museum/en/>

### **Pre- and Post-Conference Tours**

The city of Dresden is truly at the heart of the “New Europe” so that planes or fast trains can take you quickly throughout Germany and hence to France and other countries to the West, or alternatively to the magical historic cities of Eastern Europe: Berlin (165km), Prague (only 118km), Brno, Budapest, Warsaw and Krakow (a UNESCO world heritage site) etc. Participants should make their own arrangements for pre- and post-conference tours.

### **General Information**

#### **Health & Personal Insurance**

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

**Electricity** The electric current in Germany and the EU is 220V, 50Hz AC. Please ensure you have a **correct adapter**, especially for your computer.

**Banking and Currency:** The unit of currency in Germany and in most (but NOT all) EU countries is the EURO. Other currencies may be exchanged at the airport, in hotels and in banks. Major credit cards are accepted in most shops and hotels.

## **Registration**

**PLEASE NOTE:** The **conference fee** covers **registration for the conference and all social events but NOT ACCOMMODATION.**

### **Conference Registration Fee**

**Early bird (before Jan 1, 2009):                      360 euro**

**Standard (from Jan 1 – July 31, 2009): 390 euro**  
**Late (after July 31, 2009): 430 euro**

This fee includes:

- All conference documents, including printed pre-conference proceedings
- Conference bag and badge and entry to all conference sessions and exhibitions
- Two evening welcome receptions on Friday and Saturday
- Six lunches, on Sep 12-17.
- 2 tea/coffee breaks each full working day and 1 tea/coffee break on Wednesday and Thursday, Sep 16-17.
- Full day excursion including lunch on Monday, Sep 14
- Special Gala Dinner on Wednesday, Sep 16
- Bus transportation during the Excursion and for the Gala Dinner
- Free central city transport pass for the duration of the conference

(Please note the above fee only includes two evening welcome receptions on Friday and Saturday 11-12 September and one dinner on Wed 16 September, you are free to sample the local restaurants and cafes and enjoy the atmosphere along the beautiful Elbe river on other evenings)

### **Special Local Teachers Weekend fee: 40 euro**

This fee covers

- Welcome Reception Saturday, Dresden Town Hall, September 12
- Conference Proceedings/Special programme/badge/bag etc
- 2 Lunches and 4 tea/coffee breaks
- Free use of conference rooms, entry to exhibition

This fee does not include accommodation nor evening meals but there will be finger food at the evening reception as well as drinks.

**(Optional)** You are also very welcome to join us for the Friday Evening Reception and the Monday Excursion if you are staying in Dresden on those days, and we have a specially reduced fee to cover our costs for both of these as follows:

**Fee for the Welcome Reception** Friday Sep 11 (this includes food and drink): **25€**

**Fee for the all day Excursion** Monday Sep 14 including lunch and drinks, entry to Castle Konigstein, etc: **50€**

### **The Accompanying Person fee: 360 euro**

We have planned a very special programme for partners of participants (accompanying persons) that will give them a marvellous opportunity to see and enjoy the cultural and historical richness of Dresden.

Firstly the partners are warmly invited to join the other participants at

- Our two Welcome Receptions on Friday and Saturday
- The Conference Opening Session on Saturday morning including tea/coffee break and lunch
- The full day Excursion including lunch on Monday, and the
- Special Gala Dinner on Wednesday

- Saturday afternoon is free for you to sightsee in the nearby historic city centre and/or do some shopping there or just relax in one of the many cafes alongside the river Elbe!

In addition we will be organising special tours locally as follows

- **Sunday 13<sup>th</sup>** – special sight-seeing bus ticket which allows you to stop and go all day, the buses run frequently on a circuit which takes you to and through many of the sights of Dresden, crossing the river twice to enjoy views of the city from the other side! There is a multilingual guide service on the buses. This will be a flexible and pleasant way for you to find out about Dresden at your own pace and of course you can plan to go with other friends who are also partners. Lunch will be included.  
<http://www.stadtrundfahrt.com/web/index.php?link=1&id=4>
- **Tuesday 15<sup>th</sup>** - excursion to the old town of Meissen including lunch and a visit to the world famous Meissen porcelain factory.  
<http://www.meissenusa.com/company/history.html>  
<http://en.touristinfo-meissen.de/GetContent/33/willkommen.html>
- **Wednesday 16<sup>th</sup>** – excursion to the city of Moritzburg including lunch and a trip on a vintage steam train!

<http://www.bvo-annaberg.de/werbeflyer/Werbeflyer-Loessnitzgrundbahn-englisch.pdf>

## Full Conference Registration Form – Dresden 2009

Please send or attach the completed form in MSWord below to [alan@rogerson.pol.pl](mailto:alan@rogerson.pol.pl) . All emails will be acknowledged, please re-send if you do not hear from us after a week. Please do NOT send the form by fax or by post, we need an electronic version for our records.

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 and presenting papers or workshops.**

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/workshop with the title:

.....

Arrival Date/Time .....

Departure Date/Time .....

**Please answer these questions:**

1) I will attend the Welcome Reception at 7pm on Sep 11: **YES/NO**

- |  |        |
|--|--------|
| 2) I will attend the Reception at 7pm on Sep 12:   | YES/NO |
| 3) I will attend the all day Excursion on Sep 14:  | YES/NO |
| 4) I will attend the Gala Dinner at 7pm on Sep 16:   | YES/NO |
| 5) I will need Coffee Break on the morning of Thursday Sep 17:   | YES/NO |
| 6) I will need Coffee Break AND Lunch on Sep 17:   | YES/NO |
| 7. I will need .... table(s) in the Open Forum of ideas<br>if YES please give full details of exhibits.....    | YES/NO |
| 8. I will need .... table(s) for the conference Exhibition<br>if YES please give full details of exhibits..... | YES/NO |

### **Payment Details**

In order to make the payment process as easy and as uncomplicated as possible for YOU, please read carefully the details below.

**If you live in Australia OR the UK** do NOT fill in any details below yet. I will send you by email, on receipt of the form above, details of **our local account in your country** to send the money to. This will save us both time and effort and also reduce bank transfer fees. After you receive this information from me please complete and return by email ALL the details below.

**If you do not live in Australia nor the UK** please fill in all the details below and return the complete form to me by email or by MSWord (NOT pdf). attachment. Please note NO signature is required so please do NOT send a scanned or faxed document.

**We regret payment by credit card is NOT possible, nor for legal and financial reasons can we accept any form of internet payment.**

**PLEASE DO NOT SEND CASH NOR TRAVELLERS CHEQUES BY POST, and please do NOT use Western Union or any other (expensive and time consuming) money transfer systems.**

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

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

**TOTAL COST (add up (1), (2), above) .....**

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.

**For all locations world wide except Australia and the UK, please follow the instructions below.**

Please send the total fee 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.**
- **Please make sure YOU or your bank tick the box: all transfer/transit fees to be paid by sender, so that the full fee arrives in our account in Poznan**
- **Your bank may notice that the above SWIFT code refers to a bank in Warsaw, that is ok, it is the main branch of PekaoSA through which the money will be sent to Poznan!**
- **Make sure your name is on the bank transfer document, so that we can identify who the payment comes from!**

We very much prefer the above method, rather than sending a cheque by mail because:

- the post is not 100% reliable and can be very slow (even registered mail)
- if cheques are lost in the post they have to be cancelled and the process can be very time consuming
- it takes about 6 weeks for us to cash cheques so **NO** cheques should be sent **AFTER July 1<sup>st</sup>, 2009** in any case.

If you have to send a cheque it should be sent **ONLY by registered airmail post (NOT by courier)** to

**ALMA -Dr. A. Rogerson/Maria Fryska,**  
**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).**

Please note this form of payment is **ONLY** possible until **the end of June 2009.**

**There is also a surcharge to process cheques which is either 3% of the cheque value OR 11euro (whichever is larger). PLEASE note you should include this surcharge in the cheque you are sending, otherwise it will need to be paid later when you register in Dresden.**

#### **Refund Policy**

Cancellation of registration must be in writing or email to the address above. If the notification of cancellation is **before July 1, 2009** fees will be refunded, but reduced by 10% or more to cover administration and bank charges. Please note that **after July 1, 2009 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 ! Please get in touch if you have any questions or problems.**