

The Mathematics Education for the Future Project
A Symposium on *New Ways of Teaching & Learning*
The Historic City of Bologna, Italy, August, 2024



Project Home Pages: <https://sites.google.com/view/alan-rogerson-home/home>
<https://sites.unipa.it/grim/21project.htm>

Organising Committee: Alan Rogerson & Jasia Morska **Local Organiser:** Chiara Chiarini

In Cooperation with: Budapest Semesters in Mathematics Education, Hong Kong Institute of Education, MUED, DQME3, MAV, AWM, ATM, AAMT, Wholemovement, MACAS, AIMSSEC, Mathematics Education Centre, Institute for Mathematics, Faculty of Sciences, Eötvös Lóránd University, Budapest, International Symmetry Association and WTM-Verlag.

Registration of interest form to be competed and returned:



I can attend on ALL these dates in August 2024.....(eg 1-15, 20-31..)

I would like to present a paper or workshop with the title.....

OUR PROJECT and OUR CONFERENCES

Our Project was Started by 3 People

MANMOHAN SINGH ARORA
AND ALAN ROGERSON

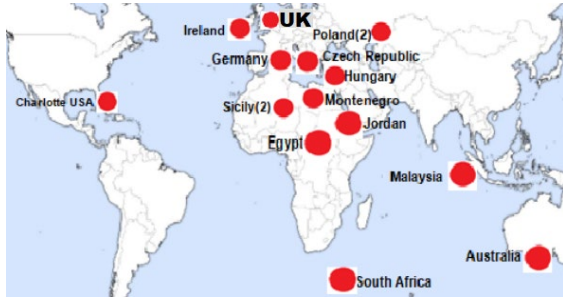



.....with Fayez Mina from Egypt

We met in Bahrain in 1986 for a new project in innovation in maths, science, statistics and computer education

- 1999 Egypt
- 2000 Jordan
- 2001 Australia
- 2001 Poland
- 2002 Sicily
- 2003 Czech Republic
- 2004 Poland
- 2005 Malaysia
- 2007 USA
- 2009 Germany
- 2011 South Africa
- 2014 Montenegro
- 2015 Sicily
- 2017 Hungary
- 2019 Ireland
- 2022 UK





The Symposium is organised by the Mathematics Education for the Future Project – which is an independent educational philanthropic non-profit association coordinated by Dr. Alan Rogerson (Poland/UK). Since its inception in 1986 our Project has received support and funding from many universities and especially ICMI, ICME, the British Council and UNESCO.

In 1992 UNESCO published our Project Handbook "Moving Into the 21st Century" as Volume 8 in the UNESCO series *Studies In Mathematics Education*.

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 and all 6 continents – for example 44 countries were represented our 2009 conference in Dresden, Germany.

The Bologna Symposium follows 17 previous Project Conferences

- next to the pyramids in Cairo, **Egypt** in 1999,
- in the historic Holy Land in **Jordan** in 2000,
- a country retreat in **Poland** in 2001,
- where the Great Barrier Reef meets the rain forest in **Australia** in 2001,
- on the beautiful coast of **Sicily** in 2002,
- in Brno, the historic capital of Moravia, **Czech Republic** in 2003,
- in Ciechocinek, a historic spa town in **Poland** in 2004,
- in **Malaysia** overlooking the Straits of Johor in 2005,
- in the scenic surroundings of Charlotte, North Carolina, **USA** in 2007,
- in the splendour of Dresden, **Germany** in 2009,
- amidst the natural beauty of **South Africa** in 2011,
- on the spectacular Balkan coast of **Montenegro** in 2014,
- in the historic island of **Sicily** in Catania in 2015,
- on the shores of Lake Balaton in **Hungary** in 2017,
- in the charming university town of Maynooth in the **Irish Republic** in 2019,
- in the splendour of King's College, Cambridge in the **UK** in 2022!
- In The Queen's College, Oxford University, the UK's oldest University

Many prominent mathematics educators have supported our project, including the late Ubi D'Ambrosio, Tatsuro Miwa, Hans Freudental, Andrejs Dunkels and Hilary Shuard, as well as Bruce Meserve and Marilyn Suydam, Alan Osborne and Margaret Kasten, Mogens Niss, Tibor Nemetz, Bryan Wilson, Henry Pollak, Werner Blum, Roberto Baldino and Waclaw Zawadowski.

International Program Committee (Past and Present)

Coordinator Dr. Alan Rogerson (UK/Poland).
 Prof. Khaled Abuloum, University of Jordan (Jordan).
 Prof. Miriam Amit, Ben-Gurion University of the Negev (Israel)
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Prof. Noor Azlan Ahmad Zanzali, Universiti Teknologi Malaysia (Malaysia).
Prof. Wacek Zawadowski, Siedlce University (Poland).

Mathematics Education for the Future Project National Representatives

Prof. Gail Burrill USA, Prof. Maria Flavia Mammana Italy, Prof. Dr. Ivan Meznik Czech Republic, Dr. Hanan Innabi Jordan/Sweden, Prof. Wacek Zawadowski Poland, Prof. Miriam Amit Israel, Prof. Noor Azlan Ahmad Zanzali Malaysia, Prof. Dr. Gunter Graumann Germany, Prof. Dr. Franco Favilli Italy, Prof. Gunnar Gjone Norway, Prof. Willy Mwakapenda Malawi, Dr. Maria Luisa Oliveras Spain, Dr. Lionel Pereira-Mendoza Canada, Dr. Fatimah Saleh Malaysia, Dr. Maher Y. Shawer USA, Prof. Anthony Sofu Australia, Prof. Teresa Vergani Portugal, Prof. Derrick Young South Africa, Prof. Angel Balderas Mexico, Dr. René Berthelot France, Dr. Cinzia Bonotto Italy, Dr. Jean Michel Hanna, Egypt, Dr. Reda Abu-Elwan, Oman, Assistant Prof. Othman Alsawaie UAE, Prof. Indira Chacko India.

Call For Papers

We offer free blind-blind peer review for submitted papers for the Proceedings. Please send an abstract (max 12 lines) of your paper or workshop summary.

Possible topics on the theme ***New Ways of Teaching and Learning:***

- - online with innovative internet apps
- - self assessment
- - group learning
- - group/class projects
- - individualised multi-paced learning
- - real life mathematics
- - integrated and interdisciplinary teaching
- - the jigsaw/expert method
- - exceptional school systems that support innovation

We welcome papers and workshops that help to make our subject more "alive", "realistic" and "accessible" to students.

We have an open policy to accept in the programme not only peer-reviewed papers, but also workshops and papers from teachers discussing their innovative work in the classroom.

All participants will receive a Proceedings Ebook before the conference.