



INTERNATIONAL ORGANISATION OF WOMEN AND MATHEMATICS EDUCATION
An affiliated study group of the International Commission on Mathematical Instruction
Quadrennial report to ICMI, 2013 - 2016
Stockholm the 1st of May 2016

The International Organisation of Women and Mathematics Education (IOWME) has continued to provide an international focus for activity related to gender, education and mathematics. Our main channel of communication is a lively Facebook group <https://www.facebook.com/groups/247108762072768/>. The group was launched by Olly Steinhorsdottir and Tamsin Meany at ICME 12. Our official website <http://www.mathunion.org/iowme/> is under ICMI's umbrella today. 2015, in March, Jaime Silva helped us update the list of publications on the webpage, see: <http://www.mathunion.org/iowme/publications/>

The Facebook group have replaced the newsletters, and has been a success throughout the period. It is the key in maintaining the IOWME community. The Facebook group is closed, up until today we are 134 members and contains a lively mix of academic articles and conference papers, news items and articles from around the world, reports of past and future study group activities, information about the work of study group members, ideas for teaching, researching and commentary on gender issues in the media and the news, and mathematical arts and crafts. The use of the social networking environment has enabled members of the IOWME organisation to communicate more easily during these four years. Links to new (and older) publications are common, for example April 2016:



Tamsin Meany

April 20 at 7:19pm · Askøy, Norway

Free access journal article.



Gender differences in boys' and girls' perception of teaching and learning mathematics

(2016). Gender differences in boys' and girls' perception of teaching and learning mathematics....

TANDFONLINE.COM

There are also to news that not always are related to research in mathematics education, but gender:



Let Toys Be Toys - For Girls and Boys

April 11 at 9:59pm

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The Achilles Effect is a fantastic blog that examines the impact of gender stereotypes on boys. This recent post takes a look at one manufacturer - Fisher-Price...

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Fisher-Price Then & Now: A Shift From Unisex to Gendered Toys - The Achilles Effect

Contrasting Fisher-Price toys and marketing from the 1970s and today: there is a...

The latest post, the 29th of April is on a new research article, a statistical analyses of PISA data: Equality Show Larger National Sex Differences in Mathematics Anxiety and Relatively Lower Parental Mathematics Valuation for Girls. (Written by Gijsbert Stoet, Drew H. Bailey, Alex M. Moore and David C. Geary. PLoS ONE 11(4):e0153857. doi:10.1371/journal.pone.0153857).

Some of the links to full articles and journals in the Facebook group 2015 were:

Adams, T. L. (1998). Pulling the plug on gender-related differences in mathematics. Preventing School Failure: Alternative Education for Children and Youth, 42(4), 176-180.

http://frauenbeauftragte.charite.de/fileadmin/user_upload/microsites/ohne_AZ/beauftragte/frauenbeauftragte/Dokumente_PDFs/2014/Science-2015-Gender-Brilliance-Academia-Leslie.pdf

http://math.nie.edu.sg/ame/matheduc/tme/tmeV16_1/Basher.pdf

<http://insight.cumbria.ac.uk/1443/1/139-531-1-PB.pdf>

<http://www.bsrlm.org.uk/IPs/ip35-1/BSRLM-IP-35-1-13.pdf>

<http://www.tandfonline.com/doi/full/10.1080/1547688X.2010.10399593#.VkLxjMOLL-Y>

<http://www.springer.com/series/13764?detailsPage=titles>

http://psychology.uchicago.edu/people/faculty/Gunderson_et_al_2012_Sex_Roles.pdf

http://www.tandfonline.com/doi/full/10.1080/03055698.2013.767184#.VWwTaM_tlBc

<http://explore.tandfonline.com/page/bes/womensday#21615>

http://math.unipa.it/~grim/CIEAEM%2066_Pproceedings_QRDM_Issue%2024,%20Suppl_1_Plenaries.pdf

<http://link.springer.com/article/10.1007/s10763-015-9634-5>

http://link.springer.com/article/10.1007/s10763-015-9631-8?sa_campaign=email%2Fevent%2FarticleAuthor%2FonlineFirst

http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291469-3518/homepage/berj_virtual_issue_on_feminism_in_educational_research.htm
<https://theconversation.com/teachers-gender-bias-in-maths-affects-girls-later-37844>

Through the four years we have tried to update the National Co-ordinators list, using old e-mail addresses and physical addresses to universities around the world. But it turned out to be impossible. We got very few feedbacks.

Yvette Solomon initiated and chaired a symposium, which took place at the Nordic conference NORMA in June 2014. On the theme Gender and Mathematics in the Nordic countries: Where are we now? three papers by Solomon and With, Sumpter and Norén respectively were presented and discussed.

We have planned for IOWME's contribution to ICME 14 in Hamburg and hope to contribute towards making the thirteenth Congress a rewarding and energising experience. We will produce a flier about the sessions for distribution at the conference and hope that we will attract some new members to the study group. The TSG 33 on *Equity in Mathematics Education (Including Gender)* will be the forum for academic papers relating to IOWME concerns.

In addition, there is the designated IOWME session taking place during the Congress. Our guest speakers will be Prof Yvette Solomon and Dr Moneoang Leshota. IOWME have invited and fully funded Dr Moneoang Leshota's participation. She is from the Department of Mathematics and Computer Science, National University of Lesotho. The talks will be followed by discussions about current issues related to gender and mathematics education. The event will be partly social, with an opportunity to meet and greet each other and to welcome new members, but also a business and policy meeting. We anticipate that using a social networking environment will enable the organisation to communicate more easily between meetings.

We will debate about the future of IOWME. What role does IOWME have? What activities would members like to see? What should the study group be doing between the four-yearly conferences? What suggestions are there for the Facebook site? Elections of officers for 2016 to 2020 will follow - we will need two International convenors. There will be a final discussion about the way we have worked at the conference and suggestions for ICME 14.

International Convenors 2012-2016



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