

13th International Congress on Mathematics Education

Hamburg, 24-31 July 2016,

Discussion Group:

Mathematics Houses and their impact on mathematics education

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Background and Aims:

Since 1999, teams of the Iranian high school teachers and university faculties have established what are called Mathematics Houses in Iran. “Math House” is a community center that aims to provide a learning environment and opportunities for the students and teachers at all levels for experiencing deeper understanding of mathematical concepts and developing creativity through working on real-life problems by team work and cooperation [1]. House of Mathematics has also been established in other places such as Masion des Mathématiques et de l’Informatique de Lyon (France), La Maison des Maths in Quaregnon (Belgium), Mathematicum in Giessen (Germany), the Arhimedes Premises in Belgrade (Serbia), and possibly in some other places as well, which can be introduced.

Introducing Mathematics Houses and similar institutions throughout the world to the audience and discussing their effect on mathematics education and their important impact on promoting team working and popularizing mathematics, as well as looking for some new ways of cooperation and exchange of experiences are the main aims of this Discussion Group.

Planned structure:

Tuesday	Topic	Material / Working format / presenter
16:30 – 16:40	Introduction	Peter Taylor
16:40 – 17:00	Introducing Isfahan Mathematics House	Ali Rejali/ powerpoint presentation
17:00 – 17:20	Introducing the House for Mathematics and Informatics in France	Jerôme Germoni/ powerpoint presentation
17:20 – 17:40	Developing Mathematics Houses in Iran	Abolfazl Rafiepour/ powerpoint presentation
17:40 – 18:00	Discussion and questions	Chaired by Peter Taylor

Friday	Topic	Material / Working format / presenter
16:30 – 16:50	Content development in math house	Yahya Tabesh/ powerpoint presentation
16:50 – 17:30	Panel on mathematics houses:Goals, Strategies, Programs	Chaired by Peter Taylor /Panel members(Germoni-Tabesh-Rafiepour)
17:30 – 18:00	Discussion and questions	Chaired by Ali Rejali

Reference:

[1Barbeau, E.J., Taylor, P. J. (Eds.), *Challenging Mathematics In and Beyond the Classroom, the 16th ICMI Study, New ICMI Study Series*, 2009. Pages 53, 56, 75, 88, 89- 92