Discussion Group:

Mathematics Houses and their impact on mathematics education

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&

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Background :

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].

Reference:

[1]

Barbeau, 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

Other Mathematics Houses

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.

Aims of the DG:

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 16:30- 18:00

16:30 – 16:40   Introduction by   Peter Taylor

16:40 – 17:00   Introducing Isfahan Mathematics
   House   by   Ali Rejali

17:00 – 17:20   Introducing the House for Mathematics
   and Informatics in France

                                    by   Jerôme Germoni

17:20 – 17:40   Developing Mathematics Houses in Iran
                                by   Abolfazl Rafiepour

17:40 – 18:00 Discussion Chaired by Peter Taylor

Friday 16:30 – 18:00

16:30 – 16:50   Content development in math house   *by* Yahya Tabesh

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

Chaired by Ali Rejali