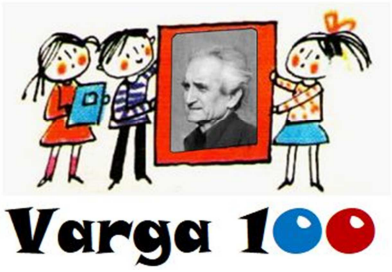


# Connecting Tamás Varga's Legacy and Current Research in Mathematics Education

**6–8 November 2019, Budapest**

**Hungarian Academy of Sciences**

## Second Announcement

On the occasion of the **100th anniversary** of the birth of the Hungarian mathematics educator, researcher, and reform leader **Tamás Varga**, a conference on mathematics education will be held at the Hungarian Academy of Science.

**The main aims of the conference** are to

- celebrate the 100th anniversary of Varga's birth, situating his work in an international context and discussing its relevance for mathematics education today;
- offer a forum for current international research on mathematics education in different domains; and
- foster the connections between Hungarian research on mathematics education and international research in the field.

The conference will combine different forms of activity: plenary lectures, panels, communication and poster sessions, workshops, as well as presentation of didactic material and videos related to Tamás Varga's work. In order to stimulate dialogue between Varga's heritage and current research in mathematics education, a special emphasis will be laid on recent research developments on themes in the focus of Varga's interest. Especially:

**Teaching and learning of specific mathematical themes**

- Logic and algorithmic thinking
- Discrete mathematics
- Probability and statistics

**Cross-cutting themes**

- Inquiry Based Education and the development of learning trajectories
- Manipulatives and semiotic tools in the development of mathematical concepts
- Mathematics education from the early grades on
- Mathematics as playful and creative activity
- Differentiation and diversity in mathematics education
- Teachers' creativity and design capacity

In addition, questions related to the history of mathematics education and to the comparison of different didactical approaches will be addressed.

**Plenary lectures**

Paul Andrews (Sweden): *Reflections on Tamás Varga and an intellectually honest mathematics for all*

Manfred Borovcnik (Austria): *Many paths lead to statistical inference – should teaching it focus on elementary approaches or reflect this multiplicity?*

Mariolina Bartolini-Bussi (Italy): *Semiotic mediation and cultural artefacts in the mathematics classroom*

Viviane Durand-Guerrier (France): *Some logical issues in algorithmic thinking and discrete mathematics*

Katalin Gosztonyi (Hungary): *Tamás Varga's reform movement and the Hungarian "Guided Discovery" approach*

**Panel discussion on *Inquiry Based Mathematics Education and the development of learning trajectories***
***Coordinator***: Michèle Artigue (France)

Marianna Bosch (Spain)

Michiel Doorman (the Netherlands)

Péter Juhász (Hungary)

Ladislav Kvasz (Slovakia)

Katja Maaß (Germany)

**Satellite event (5th November)**

Open lecture of **Susanne Prediger** (Technische Universität Dortmund, Germany), president of the European Society for Research in Mathematics Education.

**Call for contributions**

Prospective participants are invited to propose contributions in the form of an oral presentation or poster, on one or several of the themes listed above. Proposals no longer than 500 words should be submitted via the website of the conference (https://varga100.sciencesconf.org/), using the template published on the website.
**Deadline** for submissions: **30th April 2019**.
Decision about the propositions: 15th June 2019.

**Registration**

Early registration between 15th March and 14th July 2019.
Late registration before 30th September 2019.
Further information on the registration fees and the registration process will be available soon on the website of the conference.

**International Programme Committee:**

Michèle Artigue (co-chair)
Ödön Vancsó (co-chair)
Werner Blum
Katalin Gosztonyi (IPC-LOC liaison)
Jeremy Kilpatrick
Miklós Laczkovich
Marta Menghini
Eva Swoboda

**Chair of the Local Organising Committee:** Csaba Csapodi

Eötvös Loránd University