

"Bringing this exhibition project to life turned out to be much more **difficult** than expected, for a project centered around **women issues** does not find much support in a mathematical world still very much **dominated by men.**"

This quote from the exhibition's creators portrays how gender-related issues are overlooked in male-dominated fields, both systematically and individually. This trend of ignorance undoubtedly adds to the importance of proclaiming underrepresented groups' achievements and inspiring potential colleagues. **May 12** is, therefore, an excellent opportunity for celebration, reflection, and savoring the community.

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Either celebration, awareness, or reflection can only be reached with supporters and an audience. Thereupon, we convey our biggest **thanks to you** all for joining us today.

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From promoting our event to this brochure, we received a generous amount of help from most of **the professors** at the **Mathematics Institute**, **colleagues**, and most importantly, **our friends** who share our passion. Thanks to each and all of you!

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Last but not least, we are grateful for the support of the **organizations** listed below.

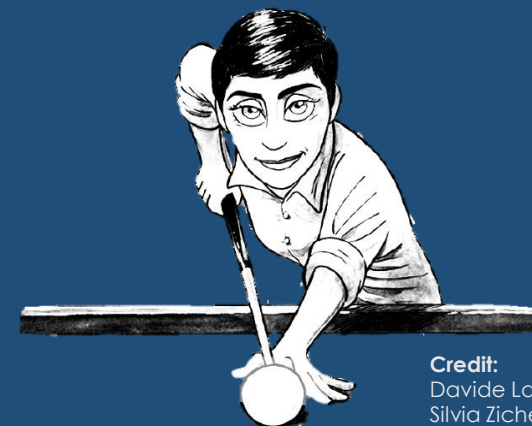
*Florian Felix, Zeynep Kısakürek,  
Margherita Piccolo, Giada Serafini*

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The event receives partial support by the **Mathematical Institute of HHU** and the **GRK 2240: Algebraic-geometric Methods in Algebra, Arithmetic and Topology**.



# INTERNATIONAL WOMEN IN MATHEMATICS DAY




**Credit:**  
Davide La Rosa,  
Silvia Ziche

12 May 2023  
Heinrich-Heine-Universität  
Room 25.22.00.53

*In memory of  
Maryam Mirzakhani*


# Women of Mathematics from Around the World


A Gallery of Portraits.

 With the joint efforts of the photographer **Noel Tovia Matoff** and four mathematicians **Sylvie Paycha**, **Sara Azzali**, **Alexandra Antoniouk**, **Magdalena Georgescu**;

 and precious help of **Maria Hoffmann-Dartevelle** and **Sara Munday**.



 Graphic designers:  
**Wenke Neunast** (exhibition),  
**Gesine Krüger** (catalogue).

 Special thanks to **Agnes Handwerk** who initially suggested the idea of setting up such an exhibition.

*"The beauty of  
mathematics only  
shows itself to patient  
followers."*

*Maryam Mirzakhani* (1977-2017)

**2004:** earned **Ph.D.** from **Harvard University**  
*Simple geodesics on hyperbolic surfaces and  
the volume of the moduli space of curves*

**2014:** awarded the **Fields Medal**  
*for her outstanding contributions to  
the dynamics and geometry of Riemann  
surfaces and their moduli spaces*

**2019:** International Women in Mathematics  
Day established **in memory of her.**



*"Maryam Mirzakhani."  
2014 International Mathematical Union,  
via Quanta magazine.*



"Production began in **May 2018** at a conference held at **Stanford University** in tribute to Mirzakhani's work."



"A 7-minute piece, **Maryam Mirzakhani: Source of Inspiration**, was prepared for screening at MSRI for a meeting in May 2019 on **International Women in Math Day.**"



"Animation sequences created by **Andrea Hale** illustrate central ideas in Mirzakhani's work."

## Secrets of the Surface: The Mathematical Vision of Maryam Mirzakhani

by **George Csicsery**



"About 38 minutes of music was commissioned from three composers working independently: **Nisha Anand**, **Alex Lu**, and **Alireza Barzegar.**"



"Footage from the Breakthrough Prize awards ceremony on **November 4, 2019**, was the last piece pulled into the film. Scenes with Mirzakhani's **husband Jan** and **daughter Anahita** were taped in September 2019."