

## SPECIAL SESSION I

**Gender Gap in Mathematical, Computing and Natural  
Sciences**

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The Global Gender Gap Project in Science was funded by the International Science Council from 2017 to 2019. The project had three parts: a global survey of scientists with more than 30,000 answers, from half women and half men; an analysis of academic publications where millions of publications have been analyzed since 1970; a database of good practices with over 60 activities. In the global survey of scientists, mainly in the fields of the project, Mathematics, Computer Science, Biology, Chemistry, Physics, Astronomy, History and Philosophy of Science, the questions were broadly organized around nine themes: (1) Secondary degree; (2) First university degree; (3) Master and Doctoral degree; (4) Employment; (5) Grants, publications and related topics; (6) Interruptions in studies and career; (7) Marriage, partnership and parenthood; (8) Discouragement and discrimination and (9) Sexual harassment. The results of the project have been published in the book [1]. An additional study was conducted on the global survey data in Mathematics, which include data in Applied Mathematics [2]. I will present and discuss the results of the project, especially the results for Mathematics.

**Keywords** Gender Gap in Science; Global Survey of Scientists; Data Analysis of Scientific Publications; Good Practices.

## References

- [1] C. Guillopé, M.-F. Roy (Ed.): *A Global Approach to the Gender Gap in Mathematical, Computing, and Natural Sciences. How to Measure It, How to Reduce It?*. International Mathematical Union, ISBN-10 3000655336 ISBN-13 9783000655333 (2020). <https://zenodo.org/record/3882609>
- [2] S. Dabo-Niang, M. J. Esteban, C. Guillopé, M.-F. Roy, C. A. R. Martinez: *The gender gap in mathematics and applied mathematics*. In preparation.