

Preface

These proceedings aim at presenting a faithful account of all that occurred at the 9th European Congress of Mathematics, held in Seville from July 15 to 19, 2024. They contain polished and extended versions of most of the plenary, invited, prize and public lectures that were delivered at the congress. These, together with the large number of minisymposia, contributed communications, posters and satellite conferences organized, provide a lively snapshot of the current situation and the recent developments of mathematical research in Europe.

The proceedings also include a detailed account of the organization and development of the congress. In particular, of the opening and closing ceremonies, including the presentation of the prizes of the European Mathematical Society, as well as the Felix Klein, Otto Neugebauer, Paul Lévy and EMS/ECMI Lánzos prizes.

The congress would not have been possible without the work of a large number of committees, collaborators, and public and private sponsors, which are promptly indicated.

We would like to express our warm thanks to the authors of the articles for their effort in the preparation of their contributions. We also would like to express our gratitude to EMS Press, the publishing house of the European Mathematical Society, for its support.

Guillermo P. Curbera, 9ECM organizing committee member

María Luz Puertas, 9ECM organizing committee member

Alfonso Suárez-Llorens, 9ECM organizing committee member



Señor Don
Juan González-Meneses López
Presidente del Comité Organizador del IX Congreso Europeo de Matemáticas

De Su Majestad el Rey

Quisiera enviarle mi felicitación más cordial por el éxito de la novena edición del Congreso Europeo de Matemáticas, considerado el segundo más importante del mundo, que ha batido récord histórico en asistencia de expertos.

Lo he seguido con interés y me consta que los conferenciantes que se han dado cita en Sevilla en tan significativo encuentro desarrollan una extraordinaria labor de investigación y divulgación de mucho valor para la sociedad.

Enhorabuena a todo el comité organizador y también a los matemáticos galardonados con los cuatro premios especiales "Felix Klein", "Paul Lévy", "Otto Neugebauer" y "Cornelius Lanczos EMS/ECMI de Software Matemático" y con los diez premios EMS por el reconocimiento obtenido.

Muy afectuosamente,

Felipe R.



9TH EUROPEAN CONGRESS OF MATHEMATICS
15-19 July 2024, Sevilla, Spain

EMS Prizes **Thematic sessions**
Invited Talks **Public Lectures**
Mini-symposia **Panel discussions**

Hirzebruch Lecture
Étienne Ghys

Abel Lecture
Avi Wigderson

Plenary Speakers

Martin Bridson
University of Oxford

Benny Sudakov
ETH Zurich

Annalisa Buffa
EPF Lausanne

Fabio Toninelli
Technische Universität Wien

Maxim Kontsevich
IHES

Vlad Vicol
Courant Institute

André Neves
University of Chicago

Anna Wienhard
*Max Planck Institute for
Mathematics in the Sciences*

Eero Saksman
University of Helsinki

Tamar Ziegler
Hebrew University of Jerusalem



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