ACA
APPLICATIONS OF COMPUTER ALGEBRA

30th APPLICATIONS of COMPUTER ALGEBRA 2025

14-18 JULY
HERAKLION
CRETE / GREECE

Invited Speakers

Gianira Nicoletta Alfarano
(Rennes University, France)

Ioannis Emiris
(Athena RC & University of Athens, Greece)

Daniel Panario
(Carleton University, Canada)

Veronika Pillwein
(Johannes Kepler University, Linz – Austria)

Organization

General Chair:
Eleni Tzanaki
(University of Crete, Greece)

Local Committee:
Theodoulos Garefalakis
(University of Crete, Greece)

Program Chairs:
Giorgos Kapetanakis
(University of Thessaly, Greece)

Zafeirakis Zafeirakopoulos
(University of Geneva, Switzerland)

ACA WG co–chairs:
Ilias Kotsireas
(Wilfrid Laurier University & CARGO Lab, Canada)
Michael Wester
(University of New Mexico, USA)

Scientific Committee:
ACA Working Group

Special Sessions including (but not limited to)

- Computer Algebra in Education
- Computer Algebra Software in the Life Sciences (CASinLife)
- Computer algebra in group theory and representation theory
- Computational Differential and Difference Algebra and Their Applications
- Computer algebra modeling in physics, classical and celestial mechanics, and engineering
- Symbolic Linear Algebra and Its Applications
- History of Computer Algebra
- D–Finite Functions and Beyond: Algorithms, Combinatorics, and Arithmetic
- Algebraic geometry from an algorithmic point of view
- Algebraic and Algorithmic Aspects of Differential and Integral Operators Session
- Sparse Interpolation and Technology
- Symbolic–Numeric Computation
- Advances in Coding Theory: Algebraic, Combinatorial and Computational Methods
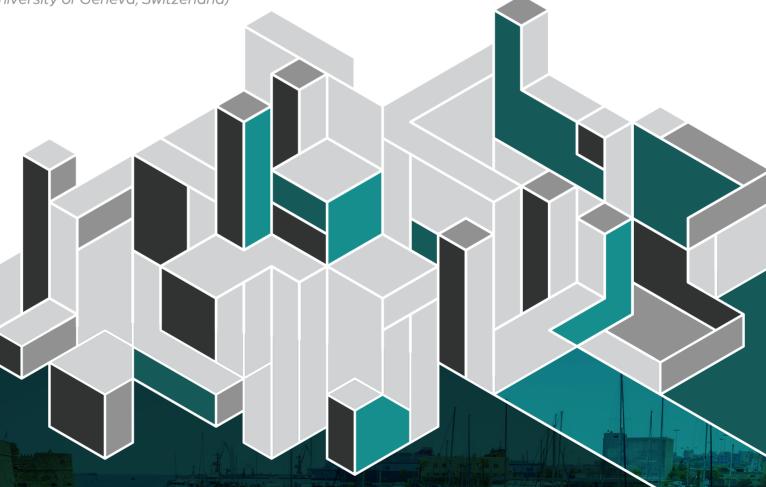- Finite Fields and Applications

Deadlines

Early registration: 1 June 2025
Special Session proposal deadline: 30 April 2025
Talk submission deadline: 30 May 2025
Camera–ready: 1 July 2025

The **ACA conference series** is devoted to promoting all kinds of computer algebra applications, and encouraging the interaction of developers of computer algebra systems and packages with researchers and users (including scientists, engineers, educators, and mathematicians).

https://aca2025.github.io/

Sponsors

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