1. Overview

In 2017, Jerusalem College of Technology successfully hosted the "Applications of Computer Algebra" (ACA) conference, which was widely regarded as a very successful meeting both scientifically and organizationally. Ten years later, we are pleased to propose Jerusalem once again as the host city for ACA 2027.

Jerusalem offers a unique combination of strong academic activity in mathematics and computer science, excellent international accessibility, and an exceptional historical and cultural setting that has proven highly attractive to conference participants.While we are submitting this proposal with ACA 2027 in mind, we would also be happy to host the conference in a later year if that better aligns with ACA's planning.

2. Proposed Venue

The conference would be held at a the the Jerusalem College of Technology which is a centrally located academic venue with:

- A lecture hall suitable for plenary talks (≈150–250 participants)
- Several breakout rooms for parallel sessions
- On-site audiovisual and technical support
- Spaces for informal collaboration and discussion
- Walking-distance access to hotels, restaurants, and public transportation

3. Tentative Dates

We propose a timeframe in **late June to mid-July 2027**, consistent with typical ACA scheduling and the academic calendar.

This period offers:

- Full campus availability
- Favorable travel conditions
- Dry summer weather
- Alignment with international vacation schedules

Exact dates would be chosen in consultation with ACA leadership.

4. Accessibility

Jerusalem is easily reachable via **Ben Gurion International Airport (TLV)**, Israel's primary international hub, which offers direct flights to and from:

- Major European cities (≈3–5 hours)
- North America (≈10–12 hours)
- Many destinations in Asia

Travel from the airport to Jerusalem takes approximately **30 minutes** via direct high-speed rail or shuttle/taxi services.

Public transportation within Jerusalem is efficient and includes a modern light-rail system and a highly branched bus network serving major hotels and campuses.

5. Accommodation

Jerusalem provides a wide range of lodging options within close proximity to the proposed venue:

Category	Typical Price (per night)
Budget / student accommodation	€70–100
Standard business hotels	€110–160

We expect to secure **conference rates** and reserve room blocks to ensure affordability for participants.

6. Estimated Costs

Israel is comparable in cost to Western European conference locations.
We anticipate registration fees similar to recent ACA meetings, covering:

- Venue and technical services.
- Banquet, daily lunch and excursion.
- Coffee breaks and light refreshments.
- Administrative support.
- Conference materials.

We will actively seek **institutional sponsorship** and **grant support** to help subsidize student participation.

7. Social Program (Preliminary)

Jerusalem offers an exceptional setting for cultural and social activities. Possible events include:

- Welcome reception overlooking the historic city
- Guided walking tour of the Old City
- Conference dinner featuring local cuisine
- Optional excursion to nearby sites such as:
    - The Dead Sea region
    - Masada National Park
    - The Judean Hills

These excursions provide memorable experiences while remaining logistically simple.

8. Local Academic Environment

Israel has an active and internationally connected research community in:

- Symbolic computation
- Algebra and combinatorics
- Computational mathematics
- Theoretical computer science

Local participation would ensure strong engagement, especially from graduate students and early-career researchers.

9. Organizational Support

A local organizing committee will include faculty members, administrative coordinators, and graduate assistants experienced in hosting international scientific meetings.
Professional conference services are available if needed.

10. Safety and Practical Considerations

Jerusalem regularly hosts large international academic conferences and provides:

- Modern infrastructure and medical services

- Reliable transportation and communications

- Extensive experience accommodating international visitors

We will work closely with institutional authorities to ensure a smooth and welcoming environment for all participants.

11. Flexibility of Scheduling

Although this document is submitted as a proposal for **ACA 2027**, we would be equally pleased to host ACA in a subsequent year should scheduling priorities require adjustment.

12. Concluding Remarks

Jerusalem combines scholarly excellence, accessibility, and an inspiring setting that encourages mathematical interaction and collaboration.
We would be honored to welcome the ACA community and are committed to organizing a scientifically strong and memorable meeting.