PODE 2027

PROGRESS ON DIFFERENCE EQUATIONS
SARAJEVO · 27–30 MAY 2027

CONFERENCE ANNOUNCEMENT
UNDER THE AUSPICES OF ISDE



PODE 2027 · 15TH INTERNATIONAL CONFERENCE

Progress on *Difference* Equations

27–30 MAY 2027 | HOTEL HILLS ★★★★★ | SARAJEVO · BOSNIA AND HERZEGOVINA

WHEN
27–30 May 2027
Arrival 26 May · lectures 27–29 May · departure 30 May

WHERE
Hotel Hills
Five-star conference hotel in Ilidža, Sarajevo, 4 km from the airport

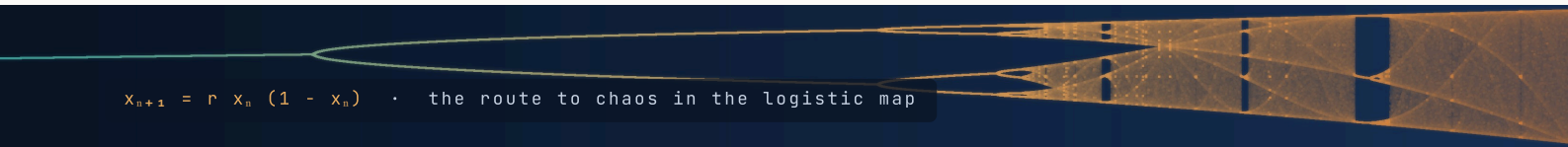
PROGRAM
Single track
Plenary lectures and contributed talks, one session at a time

WEBSITE
pode27.pmf.unsa.ba
pode27@pmf.unsa.ba

The 15th edition of the PODE conference series brings researchers in difference equations, discrete dynamical systems, and functional equations to Sarajevo — a city where East and West have been solving the same problems side by side for five centuries.

Progress on Difference Equations — PODE 2027 will be held at Hotel Hills, Sarajevo, from 27 to 30 May 2027, under the auspices of the International Society of Difference Equations. It is organized by the Mathematical Society of Sarajevo Canton, together with the Department of Mathematical and Computer Sciences, Faculty of Science, University of Sarajevo.

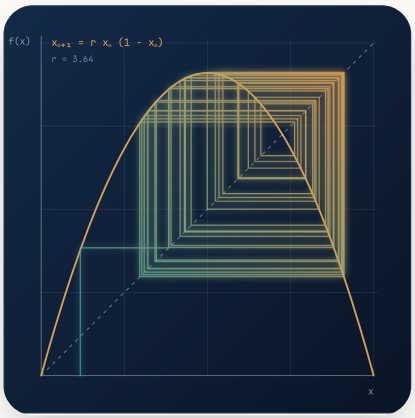
Since 2017, PODE has alternated with ECIT, the European Conference on Iteration Theory; PODE 2027 follows PODE 2025 in Cartagena.



01 THE CONFERENCE

A forum for young and *senior* researchers alike

The conference aims to provide a welcoming and stimulating forum where doctoral students, early-career researchers, and established scientists can present their work, exchange ideas, and discuss recent developments in difference equations, discrete dynamical systems, functional equations, and their applications. Topics range from mathematical biology and economics to numerical analysis, control theory, and related areas of discrete mathematics.



> *Every plenary in one shared track — and ample time for the conversations that lead to new collaborations.*

02 PLENARY SPEAKERS

Five plenary lectures, *one* shared track



Stephen Baigent
University College London
UNITED KINGDOM



Saber Elaydi
Trinity University, San Antonio
USA



Mustafa Kulenović
University of Rhode Island
USA



Víctor Mañosa
Polytechnic University of Catalonia
SPAIN



Henrique Oliveira
University of Lisbon
PORTUGAL

03 TOPICS

What the program covers

01
Discrete dynamical systems
Stability, bifurcation and chaos, attractors, invariant measures, topological and symbolic dynamics.

02
Difference equations
Linear and nonlinear equations, oscillation and asymptotic theory, boundary value problems, symmetries and integrability.

03
Applications in biology
Discrete population models, epidemiology, competition and predator–prey dynamics, evolutionary game dynamics.

04
Economics & control
Discrete-time models in economics and finance, optimal control, game theory and difference inclusions.

05
Numerical & computational
Discretization of differential equations, numerical dynamics, difference methods and computer-assisted proofs.

Format
One session at a time
50-minute plenary lectures on each of the three days; contributed talks run 25 + 5 minutes, with no parallel sessions.



04 THE CITY

Sarajevo, where Europe *changes alphabet*

In the old town, within four hundred meters, you can walk past an Ottoman bazaar, an Austro-Hungarian boulevard, a synagogue, a cathedral, and a mosque. Sarajevo is a compact capital of some 400,000 people on the Miljacka River, surrounded on all sides by the mountains that hosted the 1984 Winter Olympics.

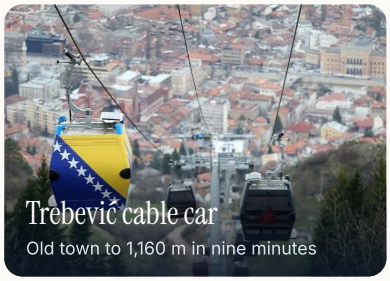
The line where the Ottoman bazaar meets the Habsburg boulevard is marked on the pavement — stand on it, turn around, and the architecture changes completely. Late May is one of the best times of the year here: around 22 °C, long evenings, and a coffee culture that takes the word *slow* seriously.



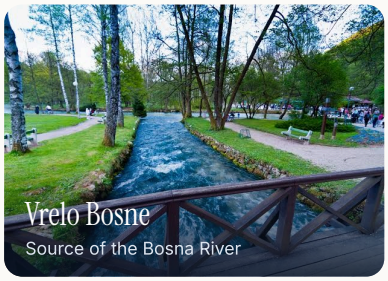
Baščaršija
The 15th-century Ottoman bazaar, with the Sebilj fountain and the best coffee in a copper džezva



Vijećnica
The City Hall, rebuilt in 2014



Trebević cable car
Old town to 1,160 m in nine minutes



Vrelo Bosne
Source of the Bosna River



National Museum
Home of the Sarajevo Haggadah



The Congress Hall
Hotel Hills — every session of PODE 2027 takes place here

05 THE VENUE

Hotel Hills, *Ilidža*

All sessions take place at Hotel Hills, a five-star hotel at the western edge of Sarajevo, a short walk from Vrelo Bosne, the source of the Bosna River. Rooms are available in the same hotel at the conference rate.

01 4 km from Sarajevo International Airport — about 10 minutes by taxi

02 Trams 3 and 11 run from the old town directly to the hotel

03 Direct flights from Vienna, Munich, Istanbul, Zagreb, Zurich, and more

04 Fully accessible hall and rooms; free Wi-Fi for all participants

06 FIVE DAYS IN SARAJEVO · PRELIMINARY

WEDNESDAY
26 May
ARRIVAL · OPENING

- Registration from 16:00
- Opening ceremony
- Welcome reception

THURSDAY
27 May
DAY 1

- Plenary lectures
- Contributed talks
- Free evening

FRIDAY
28 May
DAY 2

- Lectures and talks
- Sightseeing with a traditional ćevap meal

SATURDAY
29 May
DAY 3 · CLOSING

- Lectures and talks
- Closing ceremony
- Closing dinner

SUNDAY
30 May
DEPARTURE

- Departure day

07 DATES & FEES

IMPORTANT DATES

To be announced	31 March 2027	15 April 2027	30 April 2027	10 May 2027	27–30 May 2027
Registration and abstract submission open	Regular abstract submission deadline	Reduced registration fee deadline	Late abstract submission deadline	Regular registration deadline	PODE 2027 in Sarajevo

CONFERENCE FEE

CATEGORY	REDUCED until 15 April 2027	STANDARD after 15 April 2027	ON SITE in cash, at the desk
Scholars	€350	€400	€420
Sponsoring members	€270	€340	€360
PhD students	€150	€200	€220
Accompanying persons	€150	€150	€170

The fee covers the welcome reception, conference dinner, sightseeing in Sarajevo, coffee breaks, and conference materials.

08 COMMITTEES

SCIENTIFIC COMMITTEE

Jose S. Cánovas
Technical University of Cartagena, Spain

Senada Kalabušić
University of Sarajevo, Bosnia and Herzegovina

Mehmed Nurkanović
University of Tuzla, Bosnia and Herzegovina

Galina Filipuk
University of Warsaw, Poland

Eddy Kwessi
Trinity University, USA

Esmir Pilav
University of Sarajevo, Bosnia and Herzegovina

Mirela Garić-Demirović
University of Tuzla, Bosnia and Herzegovina

Antonio Linero Bas
University of Murcia, Spain

Adina Luminița Sasu
West University of Timișoara, Romania

ORGANIZING COMMITTEE

Senada Kalabušić CHAIR, Esmir Pilav, Zenan Šabanac, Naida Mujić, Emin Bešo, Džana Drino, Nedim Bušatlija UNIVERSITY OF SARAJEVO
Sabina Hrustić, Samra Moranjkić UNIVERSITY OF TUZLA

See you in *Sarajevo*

Registration and abstract submission will open soon on the conference website, where all details are available. Researchers and graduate students are warmly invited to contribute.

pode27.pmf.unsa.ba

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Registration · Venue & travel · Sarajevo

AUSPICES INTERNATIONAL SOCIETY OF DIFFERENCE EQUATIONS

ORGANIZER MATHEMATICAL SOCIETY OF SARAJEVO CANTON

CO-ORGANIZER DEPARTMENT OF MATHEMATICAL AND COMPUTER SCIENCES, FACULTY OF SCIENCE

SUPPORT UNIVERSITY OF SARAJEVO