MICOPAM 2026 – Conference Program Schedule

The 9th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas

Antalya-TÜRKİYE, November 5–8, 2026

Conference Venue

Sherwood Dreams Resort Hotel (Ultra All Inclusive), Antalya, TÜRKİYE

Important Notes

- **The Conference will be held as a hybrid event, including both physical and online presentations.**
- **Time zone for the conference is GTM +3 (İstanbul time).**
- **The Hall 1-2-3 represents the physical rooms in the conference venue.**
- **The Virtual Hall represents the class opened in the platform used for online presentations.**
- **The talks of the invited speakers will also be available in the Virtual Hall for online participants to follow them.**

November 05, 2026 (Thursday)

10:00 – 12:30	**Registration**	
	Parallel Sessions	
	Hall 1 **Chairman: Mateja Đumić**	**Hall 2** **Chairman: N. Ugur Kockal**
10:20 – 10:40	**Speaker: Ryotaro Okazaki** **Title of Talk:** On the Height of Certain Cyclotomic Units	**Speaker: Youssef El Khatib** **Title of Talk:** The Regularization Path of a Two-Asset Minimum-Variance Portfolio with Entropy-Based Diversification Control
10:40 – 11:00	**Speaker: Taiga Kadowaki** **Title of Talk:** Stochastic Modeling of Vascular Plaque Dynamics and Optimization of Targeted Drug Delivery	**Speaker: Ahmed Al-Rawashdeh** **Title of Talk:** Invariant General Linear Group Properties for Unital C∗-Algebras
11:00 – 11:20	**Speaker: Haruka Suga** **Title of Talk:** Mathematical Modeling of Retrograde Flow in Y-Shaped Arterial Stenoses: Implications for Catheter-Based Drug Delivery	**Speaker: Mohamed Ali Hajji** **Title of Talk:** A New Explicit Wavelet-Based Multistep Method for Ordinary Differential Equations
11:20-11:30	**Coffee Break**	
	Invited Talks	
	Hall 1 **Chairman: Aleksandar Pejčev**	
11:30 – 12:00	**Invited Speaker: Mihaela Ribičić Penava** **Title of Talk:** Weighted Montgomery identity with applications	
	Hall 1 **Chairman: Łukasz Kiszkowiak**	
12:00 – 12:30	**Invited Speaker: Niyazi Ugur Kockal** **Title of Talk:** Mathematical Modeling of Implant–Bone Interaction: A Simplified Approach for Damage and Remodeling Analysis	

12:30 –14:00	**Lunch Break**		
14:00 – 14:30	**Opening Ceremony** **Hall 1** **Yilmaz Simsek** **Talk:** Recent advanced on Dedekind sums and their applications		
14:30-14:40	**Coffee Break**		
	Invited Talks		
	Hall 1 **Chairman: Miodrag M. Spalević**		
14:40 – 15:10	**Invited Speaker: Dora Pokaz** **Title of Talk:** Hardy-type inequalities via Lidstone interpolation: convexity, mean value theorems and Stolarsky means		
15:10-15:20	**Coffee Break**		
	Invited Talks		
	Hall 1 **Chairman: İsmail Naci Cangül**		
15:20 – 15:50	**Invited Speaker: Ahmet Sinan Cevik** **Title of Talk:** Some families of graphs with equal metric-based dimensions		
	Parallel Sessions		
	Hall 1 **Chairman: Ryotaro Okazaki**	**Hall 2** **Chairman: Neslihan Kilar**	**Virtual Hall (Online)** **Chairman: Elif Sukruoglu**
15:50 – 16:10	**Speaker: Olalekan Taofeek Wahab** **Title of Talk:** Fixed Point Results for Condensed RRC-Type Maps under Superlinear Exponents	**Speaker: Musawa Yahya Almusawa** **Title of Talk:** Different kinds of soliton solutions to the special Korteweg–De Vries equation with a stability analysis, and modulation instability	**Speaker: Ahmed Ibrahim Hayder** **Title of Talk:** A practical efficacy study of optimal feedback-adaptive temporal membership function design and implementation
16:10 – 16:30	**Speaker: İsmail Alperen Öğüt** **Title of Talk:** Skew cohomology of singly connected posets	**Speaker: Mateja Đumić** **Title of Talk:** Evolving dispatching rules for unrelated parallel machine scheduling problems with resources	**Speaker: William Craig** **Title of Talk:** Recent developments on quasimodular forms and q-multiple zeta values
16:30 – 16:50	**Speaker: TBA** **Title of Talk:** TBA	**Speaker: Vicente Casares-Giner** **Title of Talk:** On the Permission Probability in Multi Packet Reception with Imperfect Channels	**Speaker: Elif Beril Seyitoglu** **Title of Talk:** A note on the sums of the triangular numbers
16:50-17:10	**Coffee Break**		

	Parallel Sessions	
	Hall 1 **Chairman: Alina-Daniela Vilcu**	**Virtual Hall (Online)** **Chairman: Elif Sukruoglu**
17:10 – 17:30	**Speaker: A. Cigdem Ozcan Cevik** **Title of Talk:** Idealization of a Truss by a Module	**Speaker: Jiehua Zhu** **Title of Talk:** l_1–l_0 Regularization and NADA Hard-Thresholding for CT Image Reconstruction
17:30 – 17:50	**Speaker: Łukasz Kiszkowiak** **Title of Talk:** Time-decay estimate of the initial value probelm in hyperbolic thermoelasticity theory	**Speaker: Melis Oyku Hazar** **Title of Talk:** Mathematical Observations on conversion of sentences from active voice to passive voice
17:50 – 18:10	**Speaker: Damla Gun** **Title of Talk:** A note on Fourier series of fractional exponential spline with their applications	**Speaker: Ivana Vojnović** **Title of Talk:** Microlocal defect functionals and wave-front sets
18:10 – 18:30	**Speaker: TBA** **Title of Talk:** TBA	**Speaker: Sanja Kovač** **Title of Talk:** A unified approach to Hermite-Hadamard, Fejér and Ostrowski type inequalities for generalized convex functions
18:30	**Dinner**	
November 06, 2026 (Friday)		
10:00 – 12:30	**Registration**	
	Parallel Sessions	
	Hall 1 **Chairman: Yilmaz Simsek**	**Hall 2 (Poster)** **Chairman: Stefan M. Spalević**
10:00 – 10:20	**Speaker: Miodrag M. Spalević** **Title of Talk:** Asymptotic estimates of the remainder term of averaged Gaussian quadrature rules with Bernstein-Szegö weights	**Speaker: Alina-Emilia Iosif** **Title of Talk:** Generalizations of classic inequalities for Birkhoff weak integrable multifunctions
10:20 – 10:40	**Speaker: Stefan M. Spalević** **Title of Talk:** Numerical construction and internality of certain NAG quadratures	**Speaker: Alina-Daniela Vilcu** **Title of Talk:** A geometric rigidity result for Cobb-Douglas production models with variable exponents
10:40 – 11:00	**Speaker: Aleksandar Pejčev** **Title of Talk:** Error bounds of Clenshaw-Curtis and related quadratures for functions analytic on ellipses	**Speaker: Ariana Pitea** **Title of Talk:** A study on some quasimetric families
11:00-11:20	**Coffee Break**	
	Parallel Sessions	
	Hall 1 **Chairman: Ahmet Sinan Cevik**	**Hall 2** **Chairman: Elvan Akın**
11:20 – 11:40	**Speaker: İsmail Naci Cangül** **Title of Talk:** The Number of Realizations of Degree Sequences	**Speaker: Havva Nur Deveci** **Title of Talk:** Adjacency Dimension on Annihilator Graphs
11:40 – 12:00	**Speaker: Irem Kucukoglu** **Title of Talk**: Re-expressing some special behaviors of structural members with the aid of Rodrigues' formula for orthogonal polynomials	**Speaker: Selime Aleyna Seçkin** **Title of Talk:** The Effect of Centering About Persons on Spectral Clustering : An Application to Multidimensional Profile Data

12:00 – 12:20	**Speaker: Elif Sukruoglu** **Title of Talk:** Relations between Apostol–Euler and Apostol–Genocchi polynomials via Nörlund sum	**Speaker: Serpil Cıkıt** **Title of Talk:** A High Order Finite Difference Method for Solving Fractional Diffusion Equation
12:20 – 12:40	**Speaker: Zelal Temel** **Title of Talk:** Observations on Numerical Methods for Delay Differential Equations	**Speaker: Emircan Gezer** **Title of Talk:** Detecting and modelling spatial autocorrelation on a grid: an introduction with simulated data
12:40 –13:50	**Lunch Break**	
13:50-18:30	**An excursion to one of Antalya's historical sites or to the city.**	
18:30	**Dinner**	
November 07, 2026 (Saturday)		
10:00 – 12:30	**Registration**	
	Invited Talk	
	Hall 1 **Chairman:** Irem Kucukoglu	
10:00 – 10:30	**Invited Speaker:** Abdelmejid Bayad **Title of Talk:** Remarks on Inversion Formulas for Higher-Order Lerch Zeta Functions	
	Hall 1 **Chairman:** Fusun Yalcin	
10:30 – 11:00	**Invited Speaker:** Elvan Akın **Title of Talk:** Mathematical and Statistical Analysis of HIV Infection Dynamics	
11:00 – 11:20	**Coffee Break**	
	Parallel Sessions	
	Hall 1 **Chairman: Mihaela Ribičić Penava**	**Hall 2** **Chairman: Dora Pokaz**
11:20 – 11:40	**Speaker: Mustafa Alkan** **Title of Talk:** A generalization of prime ideal	**Speaker: Fusun Yalcin** **Title of Talk:** Evaluating Parameter Sensitivity to Spatial Weight Matrix Specifications in SAR Models: An Operational Application
11:40 – 12:00	**Speaker: Neslihan Kilar** **Title of Talk:** Some observations on r-parametric Hermite-based Milne-Thomson type Fubini polynomials	**Speaker: Buket Simsek** **Title of Talk:** Statistical Approaches in Advancing Health Research and Clinical Applications
12:00 – 12:20	**Speaker: Elif Bozo** **Title of Talk:** A Certain Family of Polynomials with Coefficients Involving Stirling and Derangement Numbers	**Speaker: Asude Öztürk** **Title of Talk:** A Literature Review on the Effects of Climate Change on Agricultural Production and Stochastic Modeling Approaches
12:20 –14:00	**Lunch Break**	

	Invited Talk	
	Hall 1 **Chairman:** Yilmaz Simsek	
14:00 – 14:30	**Invited Speaker:** Manuel López-Pellicer **Title of Talk:** The story of determining the shape of the Earth, based on Newton's discoveries	
14:30 – 14:40	**Coffee Break**	
	Parallel Sessions	
	Hall 1 **Chairman: A. Cigdem Ozcan Cevik**	**Hall 2** **Chairman: İsmail Naci Cangül**
14:40 – 15:00	**Speaker: Irem Kucukoglu** **Title of Talk:** Formulae for the integrals of a certain class of divisor and totative sums	**Speaker: Sabina Hrustić** **Title of Talk:** Dynamics and Bifurcations in Discrete Proliferating–Quiescent Tumor Growth Model
15:00 – 15:20	**Speaker: Ezgi Polat** **Title of Talk:** Certain finite sum formulas via combining of Bernstein basis functions, Legendre basis functions, Catalan numbers, and Leibniz numbers	**Speaker: Pembe Sabancıgil** **Title of Talk:** α-Bleimann, Butzer, and Hahn Operators
15:20 – 15:40	**Speaker: Ecem Ateş** **Title of Talk:** Heat Equation approach to one of family of theta function	**Speaker: Seda Öztürk** **Title of Talk:** Some Algebraic Properties of a Certain Subgroup of the Modular Group Γ
15:40 – 15:50	**Coffee Break**	
	Invited Talk	
	Hall 1 **Chairman:** Yilmaz Simsek	
15:50 – 16:20	**Invited Speaker:** Gradimir V. Milovanović **Title of Talk:** Construction of Orthogonal Polynomials and Quadrature Formulas Associated with a Complex Moment Functional	
16:20 – 16:50	**Invited Speaker:** Clemente Cesarano **Title of Talk:** A survey on bi-orthogonal polynomials and functions	
18:50 –19:00	**Conference Group Photo Shoot**	
19:00	**Gala Dinner**	
November 08, 2026 (Sunday)		
	Free Discussion and Individual Activities	