

Symposium Program Schedule

The 14th Symposium on Generating Functions of Special Numbers and Polynomials and their Applications (GFSNP 2024)

Antalya, TURKEY
January 18-21, 2024

Symposium Venue

Sherwood Exclusive Lara Hotel, Antalya, TURKEY

Information

- The Symposium will be held as a hybrid event, including both physical and online presentations.
 - Time zone for Symposium is GTM +3 (Local time in Antalya, Turkey).
 - The Hall 1 represents a physical hall in the symposium hotel.
- The Virtual Hall represents a virtual class opened in the video conferencing platform used for online presentations.

January 18, 2024 (Thursday)

10:00 – 11:00	Registration
	Physical Session
	Hall 1 Chairman: Yilmaz Simsek
11:00 – 11:20	Speaker: Irem Kucukoglu Title of Talk: Results originating from the application of Euler's formula to the generating functions for q -combinatorial Simsek polynomials
11:20 – 11:40	Speaker: Neslihan Kilar Title of Talk: On generating functions for parametric kinds of unified and modified presentation of Fubini polynomials
11:40 – 12:00	Speaker: Elif Sukruoglu Title of Talk: Behavior of the generating function for combinatorial numbers under the difference operator
12:00 – 14:00	Lunch Break
	Physical Session
	Hall 1 Chairman: Elif Çetin
14:00 – 14:20	Speaker: Damla Gun Title of Talk: On B-spline: Analysis of Apostol-Bernoulli numbers and Eulerian polynomials
14:20 – 14:40	Speaker: Ecem Ateş Title of Talk: Observations on the Dedekind zeta function at negative integers with their applications
14:40 – 15:00	Speaker: Ezgi Polat Title of Talk: Observations on computational formula of the Bernoulli numbers and combinatorial numbers and polynomials via determinant method
15:00 – 15:20	Speaker: Elif Bozo Title of Talk: Applying the operator $Y_{\{\lambda,\beta\}}(f;a,b)$ to Derangement polynomials

15:20 – 15:40	Coffee Break	
	Physical Session	
	Hall 1 Chairman: İrem Kucukoglu	
15:40 – 16:00	Speaker: Elif Cetin Title of Talk: Remarks on q -Hardy-Berndt Type Sums	
16:00 – 16:20	Speaker: Mustafa Alkan Title of Talk: Prime submodule with respect to a multiplication set	
16:20 – 16:40	Speaker: Dudu Şeyma Kun Title of Talk: On Generating Functions of Jacobi and Bernstein Polynomials	
16:40 – 17:00	Coffee Break	
	Physical Session	
	Hall 1 Chairman: Ayşe Yılmaz Ceylan	
17:00 – 17:20	Speaker: Nazim I. Mahmudov Title of Talk: Controllability analysis of linear state-delay fractional systems	
17:20 – 17:40	Speaker: Mehmet Ali Özarslan Title of Talk: Incomplete Hermite Appell Polynomials and Their Properties	
17:40 – 18:00	Speaker: Pembe Sabancigil Title of Talk: New Type of q -Bernstein Operators	
18:00 – 18:20	Speaker: Mustafa Kara Title of Talk: New Type Szász-Mirakyan operators	
January 19, 2024 (Friday)		
09:30 – 10:00	Registration	
	Physical Parallel Sessions	
	Physical Session Hall 1 - Chairman: Erkan Agyuz	Poster Session Front of Hall 1 - Chairman: Elif Çetin
10:00 – 10:20	Speaker: Mustafa Alkan Title of Talk: On the relation between Palindrome compositions and Fibonacci numbers	Poster 1 Presenter: Yousef Alnafisah Title of Poster 1: A new order from the combination of exact coupling and the Euler scheme
10:20 – 10:40	Speaker: Elif Gürbüz Title of Talk: Properties of Multilinear Fractional Wavelet Transforms on Some Function Spaces	
10:40 – 11:00	Speaker: Sousan Latifinavid Title of Talk: A Characterization of rotational minimal surface in dual Lorentzian space	
11:00 – 11:20	Speaker: Burcu Emre Title of Talk: Observations on generalized Pöschl-Teller potential related to dimer interaction	
11:20 – 11:50	Coffee Break	

	Invited Talk (Physical)	
	Hall 1 Chairman: Yilmaz Simsek	
11:50 – 12:30	Invited Speaker: Ismail Naci Cangul Title of Talk 1: On some new properties of omega invariant Title of Talk 2: On the number of realizations of some degree sequences	
12:30 – 14:00	Lunch Break	
14:00 – 14:30	Welcome Speech of the Chief of the Organizing Committee Hall 1 (Physical) - Virtual Hall (Online)	
14:30 – 16:30	Dedication Ceremony Hall 1 (Physical) - Virtual Hall (Online) (Dedication Ceremony, related speeches, Prof. Taekyun KIM's Presentation, and Prof. Yilmaz SIMSEK's Presentation) Title of Professor KIM's Talk: Some results on degenerate Fubini and degenerate Bell polynomials Title of Professor SIMSEK's Talk: On the fermionic and deformic p -adic q -integral formulas inspired by the papers of Taekyun Kim	
16:30 – 17:30	Dedication Cocktail (Front of the Hall 1)	
17:30 – 17:40	Conference Group Photo Shoot (The shoot location: Hall 1)	
19:30	Gala Dinner (Sherwood Exclusive Lara Hotel Restaurant)	
January 20, 2024 (Saturday)		
09:00 – 10:00	Registration	
	Physical Session	Online Session
	Hall 1 Chairman: Rahime Dere	Virtual Hall + Hall 1 Chairman: Neslihan Kilar
10:00 – 10:20	Speaker: Nurten Urlu Özalan Title of Talk: The Second Omega Coindex	Speaker: Mine Menekşe Yılmaz Title of Talk (Online): A Note On A Voronovskaya-Type Relation for Positive Linear Operators Based On Bernoulli-Type Polynomials
10:20 – 10:40	Speaker: Niyazi Uğur Koçkal Title of Talk: Estimation of concrete strength by using maturity method	Speaker: Merve Çil Title of Talk (Online): On a Jakimovski-Leviatan type operators defined via q -multiple Appell Polynomials

10:40 – 11:00	Speaker: Füsün Yalçın Title of Talk: Important points of the cluster analysis method in multivariate statistical analysis	Speaker: Duygu Malyalı Title of Talk (Online): On the Special Cases of Twice-Iterated Big q -Appell Polynomials
11:00 – 11:20	Coffee Break	
	Invited Talk (Online)	
	Virtual Hall + Hall 1 Chairman: Yilmaz Simsek	
11:20 – 12:00	Invited Speaker: Veerabhadrarajah Lokesh Title of Talk: New-fangled information of VL indices	
12:00 – 14:00	Lunch Break	
	Physical Session	
	Hall 1 Chairman: Erkan Agyuz	
14:00 – 14:20	Speaker: Aykut Ahmet Aygunes Title of Talk: Remarks on integral formula generated by Hurwitz-Lerch zeta function with order 1	
14:20 – 14:40	Speaker: Hamdullah Başaran Title of Talk: Berezin radius inequalities with application of the contraction operator	
14:40 – 15:00	Speaker: Fatma Yardibi Title of Talk: Numbers of the Digital Age: New Media and Statistical Approaches	
15:00 – 15:30	Coffee Break	
	Online Session	
	Virtual Hall + Hall 1 Chairman: Neslihan Kilar	
15:30 – 16:00	Speaker: Wenpeng Zhang Title of Talk: On the Dedekind sums and its a new reciprocity formula	
16:00 – 16:30	Speaker: Dae San Kim Title of Talk (Online): Exponential sums for classical groups and their applications	
16:30 – 17:00	Speaker: Daeyeoul Kim Title of Talk 1 (Online): A note of iterations for matrix Title of Talk 2 (Online): Convolution sums of restricted divisor functions including a pairwise coprime condition	
	Invited Talk (Online)	
	Virtual Hall + Hall 1 Chairman: Yilmaz Simsek	
17:00 – 17:30	Invited Speaker: Abdelmejid Bayad Title of Talk (Online): On the Jacobi forms and applications to theory of trigonometric sums	

	Online Session	
	Virtual Hall + Hall 1 Chairman: Neslihan Kilar	
17:30 – 17:45	Speaker: Ouarda Haddouche Title of Talk (Online): A Novel Formulation of α -Simplex and α -MacDonald Linear Codes with Practical Applications	
17:45 – 18:00	Speaker: Rabab Elarabi Title of Talk (Online): Capacity solutions for nonlinear parabolic-elliptic systems with degenerate conductivities	
18:00 – 18:15	Speaker: Ghania Guettai Title of Talk 1 (Online): Some results for poly-Cauchy numbers and polynomials	
18:15 – 18:30	Speaker: Ghania Guettai Title of Talk 2 (Online): Associated polynomials arising from Laguerre Transform	
18:30 – 18:40	Speaker: Seongho Park Title of Talk (Online): Exploring λ -Sheffer sequences: Representations and transformations within λ -umbral calculus	
18:40 – 18:50	A Short Break	
	Virtual Hall + Hall 1 Chairman: Neslihan Kilar	Virtual Hall 2 + Hall 2 Chairman: Yilmaz Simsek
18:50 – 19:00	Speaker: Zhang Tianping Title of Talk (Online): Some explicit formulae involving Hardy sums	Speaker: Siqi Dong Title of Talk (Online): Probabilistic Lah numbers and Lah-Bell polynomials
19:00 – 19:10	Speaker: Yuankui Ma Title of Talk (Online): Probabilistic degenerate Fubini polynomials associated with random variables	Speaker: Lingling Luo Title of Talk (Online): Probabilistic degenerate Bernoulli and degenerate Euler polynomials
19:10 – 19:20	Speaker: Si-Hyeon Lee Title of Talk (Online): Generalized type 2 degenerate the Euler-Genocchi polynomials	Speaker: Han Young Kim Title of Talk (Online): A note on generalized Bernoulli polynomials of the second kind
19:20 – 19:40	Speaker: Lee-Chae Jang Title of Talk 1 (Online): A study on the r -truncated Lah numbers and r -truncated Lah-Bell polynomials and their applications	Speaker: Dmitriy Dolgy Title of Talk (Online): Interval uncertainty non-cooperative games
19:40 – 19:50	Speaker: Lee-Chae Jang Title of Talk 2 (Online): A note on degenerate poly-Bernoulli numbers and polynomials	Speaker: Utae Pyo Title of Talk 1 (Online): The new type degenerate Fubini polynomials
19:50 – 20:00	Speaker: Jin-Woo Park Title of Talk (Online): On the infinite series whose terms involve truncated lambda-exponentials	Speaker: Utae Pyo Title of Talk 2 (Online): The moment generating function related to Bell polynomials
20:10 – 20:20	Speaker: Hye Kyung Kim Title of Talk (Online): New explicit formulas of the degenerate two variables Fubini polynomials	Speaker: Hyunseok Lee Title of Talk (Online): A Study on Dimorphic properties of Bernoulli random variable
20:20 – 20:30	Speaker: Jongkyum Kwon Title of Talk (Online): Interconnections and Relationships Among Fubini Numbers and Special Numbers	Speaker: Wonjoo Kim Title of Talk (Online): A study on the generalized degenerate multi-Bernoulli polynomials

January 21, 2024 (Sunday)

Physical Session

Hall 1

Chairman: Aykut Ahmet Aygunes

Speaker: Young-Ho Kim

10:00 – 10:20

Title of Talk: To derive a moment inequality involving stochastic integrals using a Gronwall-type inequality

Speaker: Erkan Agyuz

10:20 – 10:40

Title of Talk: A Study on Frobenius Euler-type Simsek Numbers and Polynomials

Speaker: Rahime Dere

10:40 – 11:00

Title of Talk: Results on some Sheffer polynomials

Online Session

Virtual Hall + Hall 1

Chairman: Neslihan Kilar

Speaker: Engin Tulga

11:15 – 11:30

Title of Talk (Online): On the pedal and contrapedal curves of spacelike framed immersions

Speaker: A. S. Maragadam

11:30 – 11:45

Title of Talk (Online): Investigating Analytical Bounds for the Vertex Corona in Simple connected Graphs

Speaker: Sushmitha Jain

11:45 – 12:00

Title of Talk (Online): QSPR investigation of certain molecular descriptor and monocarbolic acids

Speaker: Sofiane Atmani

12:00 – 12:15

Title of Talk (Online): Eta Dedekind functions associated to Legendre Symbols

Speaker: Öznur Kulak

12:15 – 12:30

Title of Talk: The spaces of Multilinear Multipliers

12:30

Closing Ceremony

(Hall 1 + Virtual Hall)