

BMS 2018

Mathematical Conference

Programme

**12-14 July, Sarajevo
Bosnia and Herzegovina**

**Department of
Mathematics**
*Faculty of Science
University of Sarajevo*

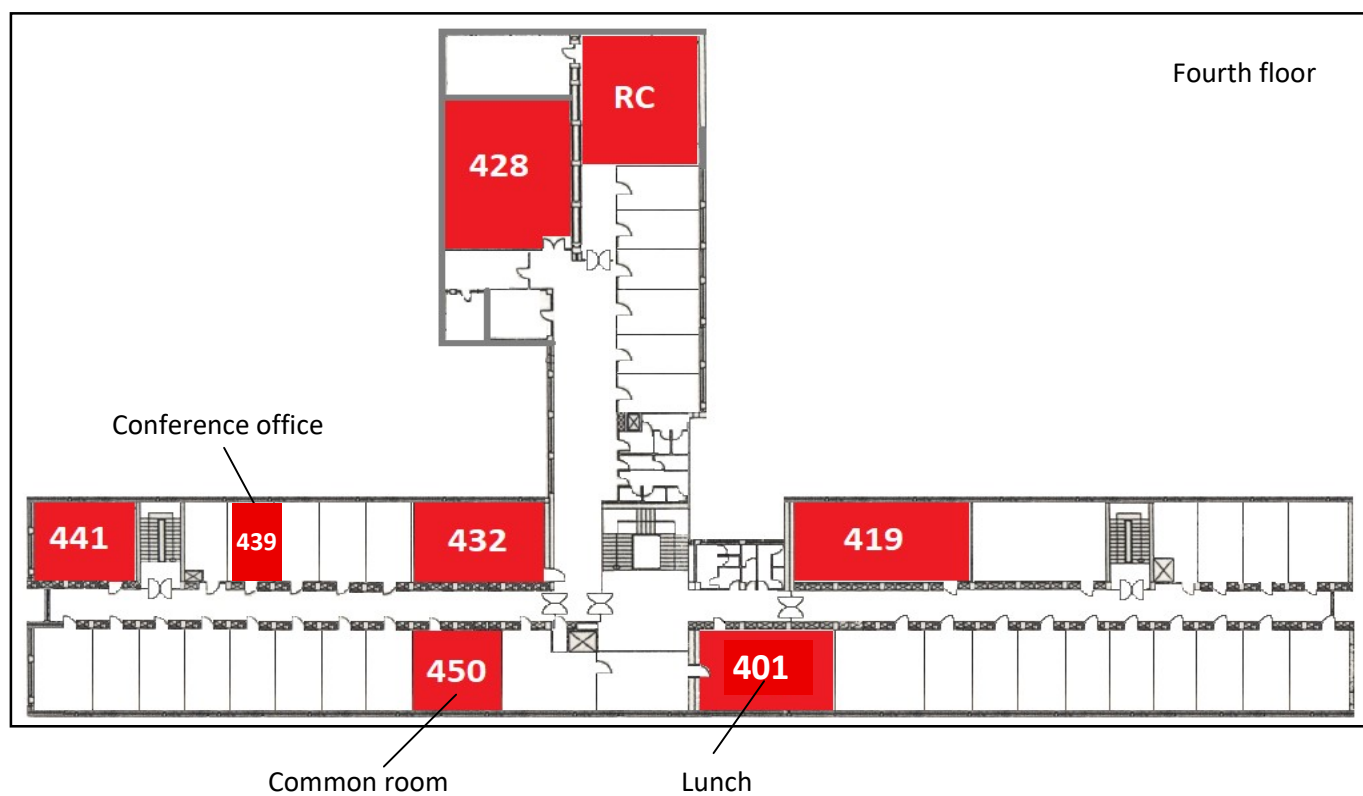
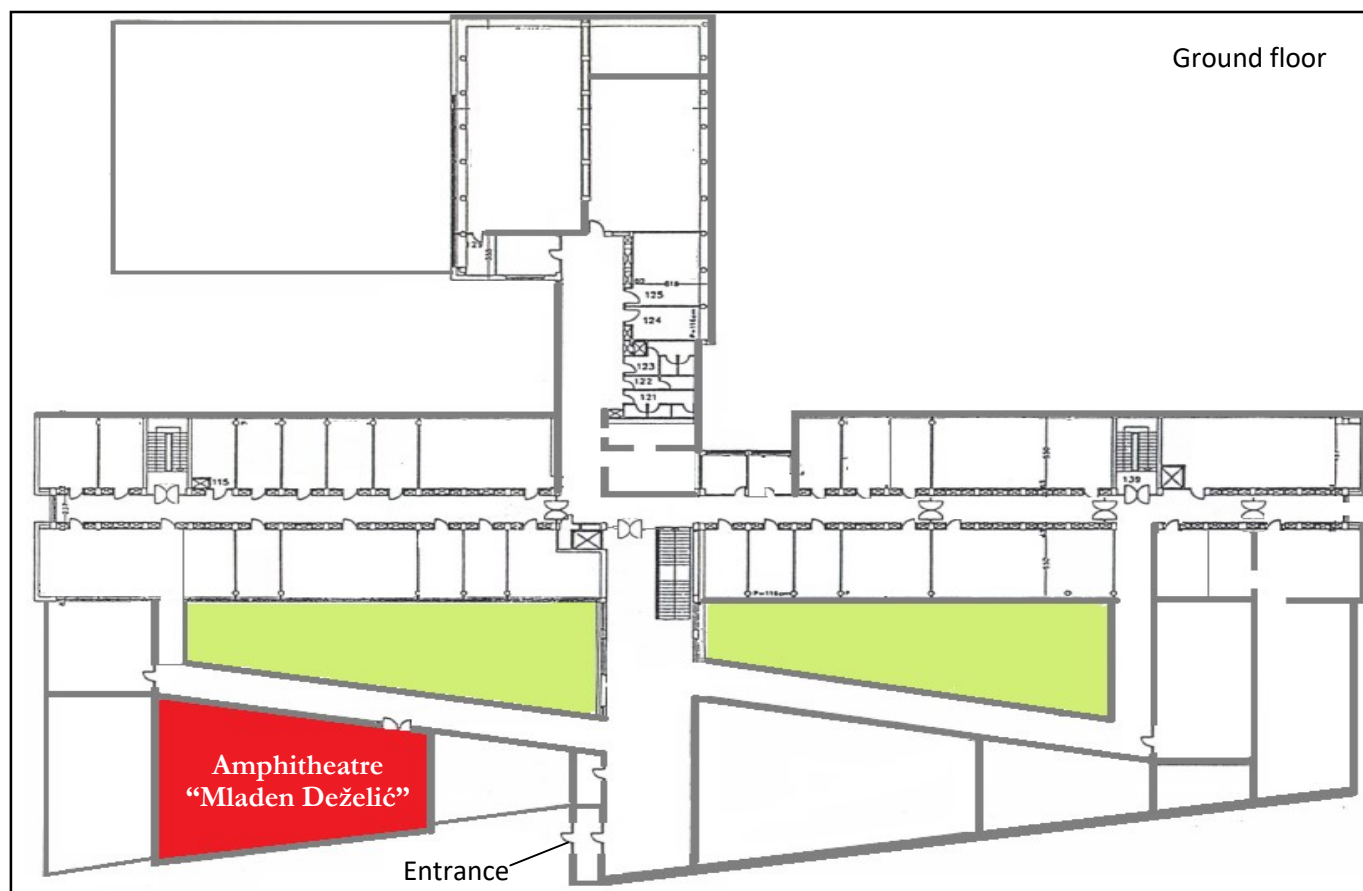


**Mathematical
Society**
of Sarajevo Canton

www.pmf.unsa.ba/bms2018

BMS Mathematical Conference 2018

Floorplan



BMS Mathematical Conference 2018

Faculty of Science - University of Sarajevo
Department of Mathematics

July 12 - 14, Sarajevo
Bosnia and Herzegovina

July 12 (Thursday)

Time			
08:30-9:30	Registration		
09:30-9:55	Opening		
Plenary talk			
Time	Chair	Speaker	Room
10:00-10:50	Alica Miller	Benjamin Weiss: Disjointness of Minimal Actions for Countable Groups	
Contributed Talks			
Time	Section	Chair	Speaker
11:00-11:20	Mathematical Analysis Room: 419	Nacima Memić	Irfan Glogić: Existence and stability of blowup for wave maps into negatively curved targets
11:20-11:40			Salih Aytar: Rough Kuratowski convergence for a sequence of sets
11:40-12:00			Tuğba Yurdakadim: The Arzel`a-Ascoli Theorem By Means of Ideal Convergence
11:00-11:20	Topological Dynamics Room: 432	Matthew Foreman	Henk Bruin: Self-similarity in the non-matching set for a family of piecewise continuous linear maps
11:20-11:40			Alica Miller: Relations between various types of sensitivity in general semiflows
11:40-12:00			James Keesling: Generalized Covering Spaces
11:00-11:20	Algebra Room: 428	Emil Ilić-Georgijević	Amela Muratović-Ribić: Strong complete polynomials and n–queen problem
11:20-11:40			Neşe Ömür: On hyper-dual generalized Fibonacci numbers
11:40-12:00			Hamid Kulosman: Some properties of monoid domains
12:00-13:30	Lunch		
Plenary Talks			
Time	Chair	Speaker	Room
13:30-14:20	Senada Kalabušić	Muharem Avdispahić: Gallagherian Approach to Prime Geodesic Theorems	Amphitheatre “Mladen Deželić”
14:30-15:20	Muharem Avdispahić	Mustafa Kulenović: Recent Developments for Monotone Discrete Dynamical Systems in the Plane	Amphitheatre “Mladen Deželić”
15:30-16:00	Coffee break		
Contributed Talks			
Time	Section	Chair	Speaker
16:00-16:20	Computer Science Room: RC	Elmedin Selmanović	Adis Alihodžić: Application of Metaheuristics to Fractal Image Compression
16:20-16:40			Damir Hasić: Discordance between gene and species tree
16:40-17:00			Kerim Hadžić: Better intervals for application of variational characterization for nonoverdamped quadratic eigenproblems

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16:00-16:20	Mathematical Analysis Room: 419	Dženan Gušić	İlknur Özgüç: Quantitative Estimates for q -Bernstein Operators in Mobile Intervals
16:20-16:40			Vedad Pašić: Purely axial torsion waves in metric-affine gravity
16:40-17:00			Leila Miller: Statistical cluster points, statistical limit points and the Baire property
16:00-16:20	Number Theory Room: 441	Roland Jean Etienne	Emrah Kılıç: Evaluation of Various Partial sums of Gaussian q -binomial sums
16:20-16:40			Dženan Gušić: Prime geodesic theorem for compact even-dimensional locally symmetric spaces of real rank one
16:40-17:00			Sibel Koparal: Some congruences for Ballot numbers

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July 13 (Friday)

Time			
09:15-09:45	Poster Session		
Plenary Talks			
Time	Chair	Speaker	Room
10:00-10:50	Mustafa Kulenović	Martin Bohner: Higher-Order Beverton-Holt Equations	Amphitheatre “Mladen Deželić”
Contributed Talks			
Time	Section	Chair	Speaker
11:00-11:20	Mathematical Analysis Room: 419	Lejla Miller	Elvis Baraković: Analyzing the spectral (a)symmetry of the massless Dirac operator on the 3–torus
11:20-11:40			Jeff Connor: Permutations and Matrix Maps on the Statistically Convergent Sequences
11:40-12:00			Zenan Šabanac: Determination of a Jump
11:00-11:20	Topological Dynamics Room: 432	Hank Bruin	Judy Kennedy: Topological entropy of closed subsets of $[0, 1]^2$
11:20-11:40			Matthew Foreman: Global Structure Theorems for the space of measure preserving transformations
11:40-12:00			Jernej Činč: A new characterization of the pseudo-arc
11:00-11:20	Algebra Room: 428	Amela Muratović-Ribić	Mirna Udovičić: Quantier Elimination in ACF and RCF
11:20-11:40			Emil Ilić-Georgijević: Graded nil clean rings
11:40-12:00			Shaip Surdulli: Some Class of Strong Complete Mapping
12:10-14:00	Lunch		
Plenary Talks			
Time	Chair	Speaker	Room
14:00-14:50	Alica Miller	Vitaly Bergelson: Ergodic Ramsey Theory: the Meeting Point of Dynamics and Combinatorics	Amphitheatre “Mladen Deželić”
Contributed Talks			
Time	Section	Chair	Speaker
15:00-15:20	Number Theory Room: 441	Almasa Odžak	Roland Jean Etienne: Generating Functions and Spectral Asymptotics of Self-similar Fractal Strings
15:20-15:40			Muhammet Cihat Dağlı: Integral of product of Universal Bernoulli polynomials
15:40-16:00			Medina Zubača: On the modified Li coefficients for a certain class of L-functions
15:00-15:20	Difference equations and Discrete dynamical systems/Mathematics Education Room: RC	Martin Bohner	Emin Bešo: Analogues of some Rational Difference Equations on Time Scales
15:20-15:40			Naida Mujić: Birkhoff Normal Forms and KAM theory for the system $x_{n+1}=\frac{a}{x_n+y_n}$, $y_{n+1}=\frac{x_n}{y_n}$
15:40-16:00			Dina Kamber Hamzić: On some problematic aspects in college trigonometry
16:00-16:30	Coffee break		
19:00-22:30	Conference dinner/Welcome party		

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July 14 (Saturday)

Plenary Talks			
Time	Chair	Speaker	Room
09:30-10:20	Vedad Pašić	Dmitri Vassiliev: Lorentzian elasticity	Amphitheatre “Mladen Deželić”
Contributed Talks			
Time	Section	Chair	Speaker
10:30-10:50	Mathematical Analysis Room: 419	Jeff Connor	Nacima Memić: On compaible transitive p-adic functions
10:50-11:10			Sanela Halilović: The Rhodius and Neuberger spectra of a certain class of nonlinear superposition operators
11:10-11:30			Fehim Dedagić: On the Numerical Range of some Nonlinear Operators in lp Spaces
10:30-10:50	Difference equations and Discrete dynamical systems Room: RC	Senada Kalabušić	Anna Napoli: Chebyshev polynomials in the solution of second-order non-linear partial differential equations
10:50-11:10			Samra Moranjkić: Global Asymptotic Stability and Naimark-Sacker Bifurcation of Certain Mix Monotone Difference Equation
11:10-11:30			Mirela Garić-Demirović: Global Asymptotic Stability and Neimark-Sacker Bifurcation of Certain Homogeneous Fractional Difference Equation with Quadratic Terms
Plenary Talks			
Time	Chair	Speaker	Room
11:40-12:30	Muharem Avdispahić	Harry Miller: Two Tales	Amphitheatre “Mladen Deželić”
12:30-13:45	Lunch/Closing		
14:15-18:30	Excursion		