International Conference on Difference Equations and Applications (ICDEA 2021 Virtual, CEST-Central European Summer Time)

Department of Mathematics, University of Sarajevo July 26 - 30, Sarajevo Bosnia and Herzegovina

July 26 (Monday)

Local Time	Channel	Registration and Opening (MS Team: Opening and Closing Ceremony (ICDEA 2021))		
14.15-14.30	General	Virtual Registration of Participants		
14.30-14.55	General	Reception and Opening Ceremony		
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
15.00-16.00	9.00-10.00 AM	General	Mustafa Kulenović	**James A.Yorke:** Tiny Models Can Help Us Understand Huge Models
16.05-17.05	8.05-9.05 AM	General	Elena Braverman	**Gail Wolkowicz:** A Derivation Procedure and Analysis of Two-Species Difference Equation Population Models
Contributed Talks (MS Team: Contributed talks (ICDEA 2021))				
17.05-17.30	**Break**			
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
17.30-17.55	11.30-11.55 AM	Room CT1	Adina Luminita Sasu	**Youssef Raffoul:** Neutral Volterra Difference Equations of Advanced Type
18.00-18.25	1.00-1.25 PM			**AlehandraRodkina:** Stabilization of Multiple Equilibria with Stochastic Prediction-Based Control
18.30-18.55	12.30-12.55 PM			**Roberto De Leo:** Backward asymptotics in S-unimodal maps
19.00-19.25	7.00-7.25 PM			**Mariusz Bialecki:** A Stochastic Cellular Automaton with Avalanches, Distributions with Inverse-Power Asymptotics, and Motzkin Numbers Recurrence
17.30-17.55	11.30-11.55 AM	Room CT2	Eddy Kwessi	**Tom Cuchta:** Discrete Meijer G functions
18.00-18.25	1.00-1.25 PM			**Eduardo de Souza Boer:** On the Existence and Multiplicity of Solutions for a Class of Choquard Logarithmic Equations
18.30-18.55	6.30-6.55 PM			**Aleksandra Kapešić:** Positive Solutions of Thomas-Fermi Type Second-Order Difference Equations with Regularly Varying Coefficients
19.00-19.25	7.00-7.25 PM			**Magdalena Nockowska-Rosiak:**The Solvability of Discrete Boundary Value Problems on the Half-Line
17.30-17.55	8.00-8.25 PM	Room CT3	SvetlinGeorgiev	**Mohammad Reza Ahmadi Zand:** Generalized Nonautonomos G-Dynamical Systems
18.00-18.25	12.00-12.25 PM			**John R. Graef:**A Variational Framework for a Second Order Discrete Boundary Value Problem with Mixed Periodic Boundary Conditions
18.30-18.55	12.30-12.55 PM			**Mauricio Dıaz:**Levels of Local Chaos for Special Blocks Families
19.00-19.25	6.00-6.25 PM			**Luis Silva:**Milnor Attractors in a Family of Nonautonomous Dynamical SystemsGgenerated by Flat-Topped Tent Maps
17.30-17.55	5.30.-5.55 PM	Room CT4	Victor Manosa	**Vesna Županović:** Fractal Analysis of Planar Nilpotent Singularities and Numerical Applications
18.00-18.25	7.00-7.25 PM			**Fatma Gamze Düzgün:** Anisotropic Sobolev Embeddings and the Speed of Propagation for Parabolic Equations
18.30-18.55	7.30-7.55 PM			**Sergey Kryzhevich:** Structural Stability for Dynamical Systems on Time Scales
19.00-19.25	12.00-12.25 PM			**Tahmineh Azizi:** Synchronization in Discrete-Time Dynamic Systems with Application in Biology

19:30-20:00	Break			
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
20.00-20.25	2.00-2.25 PM	Global Dynamics of Monotone Discrete Dynamical Sys	Mustafa Kulenović	**Mustafa Kulenović:** Global Dynamics Results for a Class of Planar Cooperative Maps
20.30-20.55	7.30-8.00 PM			**Steve Baigent:** An Introduction to the Carrying Simplex of Competitive Population Models
21.00-21.25	3.00-3.25 PM			**Yevgeniy Kostrov:** Preliminary Results on a Rational Equation with Quadratic Term
21.30-21.55	3.30-3.55 PM			**Elliott Bertrand:** Dynamic Scenarios for Some Second-Order Monotone Difference Equations
22.00-22.25	3.00-3.25 PM			**E Cabral Balreira:** Geometry and Global Stability of 2D Periodic Monotone Maps
20.00-20.25	7.00-7.25 PM	Population Dynamics and Related Topics	Jim M. Cushing and Gail Wolkowicz	**Rafael Luis:** Linear Stability Conditions for a First Order-Dimensional Mapping
20.30-20.55	2.30-2.55 PM			**Stacey Smith?:**Using Non-Smooth Models to Determine Thresholds for Microbial Pest Management
21.00-21.25	3.00-3.25 PM			**Sabrina Streipert:** An Alternative Delayed Population Growth Difference Equation Model
21.30-21.55	12.30-12.55 PM			**Horst R. Thieme:** Population Growth Factor Versus Basic Reproduction Number in Discrete-Time Structured Two-Sex Population Models
22.00-22.25	1.00-1.25 PM			**Yun Kang:** Optimal Control of a Discrete-Time Plant-Pest Model with Bistability and Fluctuating Environments

July 27 (Tuesday)

Contributed Talks (MS Team: Contributed talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
9.00-9.25	8.00-8.25 AM	Room CT1	Victor Avrutin	**Yacine Halim:** Qualitative study of a p-Dimensional System of Difference Equations
9.30-9.55	8.30-8.55 AM			**Asma Allam:** Dynamical Behavior of a p-Dimensional System of Nonlinear Difference Equations
10.00-10.25	9.00-9.25 AM			**Amira Khelifa:** On the Solution of a p-Dimensional System of Difference Equations via Fibonacci Numbers
10.30-10.55	10.30-10.55 AM			**Jan Jekl:** Critical Linear Difference Equations
11.00-11.25	12.00-12.25 PM			**Armen Bagdasaryan:** On the Solution of a Third Order Linear Homogeneous Recurrence Relation with Variable Coefficients
9.00-9.25	9.00-9.25 AM	Room CT2	Peter Raith	**Davor Dragičević:** Linearization and Holder Continuity for Nonautonomous Systems
9.30-9.55	10.30-10.55 AM			**Adina Luminita Sasu:** Admissibility Criteria for Exponential Dichotomy of Discrete Nonautonomous Systems and Applications
10.00-10.25	10.00-10.25 AM			**Lokesh Singh:** A Shadowing Type Result for the Difference Equations
10.30-10.55	9.30-9.55 AM			**Cesar Silva:** Admissibility and μ-Dichotomies for Discrete Dynamics
11.00-11.25	10.00-10.25 AM			**Diana Mendes:** Occasionally Binding Constraints in the New Keynesian Model
9.00-9.25	4.00-4.25 PM	Room CT3	Roman ŠimonHilscher	**Linyu Peng:** The Modified Formal Variational Structure and Variational Integrator
9.30-9.55	9.30-9.55 AM			**Emma D'Aniello:** Linear Dynamics on L^p Spaces (Part I)
10.00-10.25	10.00-10.25 AM			**Martina Maiuriello:** Linear Dynamics on L^p Spaces (Part II)
10.30-10.55	10.30-10.55 AM			**DušanDjordjević:** Lp and Almost Sure Convergence of an Approximate Method Based on the Taylor Expansion of the Coefficients of Stochastic Functional Differential Equations
11.00-11.25	11.00-11.25 AM			**Katarina Djordjević:** q-Regularly Varying Solutions of the Half-Linear q-Difference Equation
9.00-9.25	9.00-9.25 AM	Room CT4	Samra Moranjkić	**Andrea Rožnjik:** Comparison of Tests for Oscillations in Delay/Advanced Difference Equations with Continuous Time
9.30-9.55	5.30-5.55 PM			**ChristopherTisdell:** The Roles that Shooting Methods Can Play in the Theory of Discrete Boundary Value Problems
10.00-10.25	6.00-6.25 PM			**Charles Stinson:** A Note Regarding Extensions of Fixed Point Theorems Involving Two Metrics via an Analysis of Iterated Functions
10.30-10.55	6.30-6.55 PM			**Saleh Almuthaybiri:** Existence and Uniqueness of Solutions to Discrete, Third-order Three-point Boundary Value Problems
11.00-11.25	12.00-12.25 PM			**UlviyeDemirbilek:** Investigation of the Wave Solutions of the Nonlinear Partial Differential Equations Via Improved Bernoulli Sub-Equation Function Method
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
8.00-8.25	12.00-12.25 PM	Nonlinear Difference Equations and their Applicati	Jianshe Yu, Jia Li and Bo Zheng	**Peng Chen:** Periodic Motion for FPU Lattice Dynamical Systems with the Strongly Indefinite Case
8.30-8.55	2.30-2.55 PM			**Zhiming Guo:** Traveling Wavefronts of a Delayed Temporally Discrete Reaction-Diffusion Equation
9.00-9.25	3.00-3.25 PM			**Linchao Hu:** Mosquito Control Based on Pesticides and *Wolbachia*
9.30-9.55	3.30-3.55 PM			**Feng Jiao:** Approximating Gene Transcription Dynamics Using Steady-State Formulas

10.00-10.25	**Break**			
10.30-10.55	4.30-4.55 PM	Nonlinear Difference Equations and their Applicati	Jianshe Yu, Jia Li and Bo Zheng	**Genghong Lin:** Ground State Solutions of Discrete Asymptotically Autonomous Schrodinger Equations with Saturable Nonlinearities
11.00-11.25	5.00-5.25 PM			**Yuhua Long:** Impacts of Dispersal on the Dynamics of a Delayed Two-Patch Discrete SIR Disease Model
11.30-11.55	11.30-11.55 AM			**Juan Segura:** Degenerate Period Adding Bifurcation Structure of a Family of Piecewise Linear Maps
12:00-13:00	**Lunch Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
13.00-14.00	7.00-8.00 PM	General	Zhiming Guo	**Weinian Zhang:**Invariant Manifolds with/without Hyperbolicity
14.05-15.05	2.05-3.05 PM	General	ArmengolGasull	**Francisco Balibrea:**Homoclinic Trajectories in Dynamical Systems of Low Dimension
15.05-15.30	**Break**			
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
15.30-15.55	3.30-3.55 PM	Global Dynamics of Monotone Discrete Dynamical Sys	Mustafa Kulenović	**Naida Mujić:** Stability Analysis of a Certain Second Order Rational Difference Equation
16.00-16.25	5.00-5.25 PM			**Erkan Tasdemir:** Global Behavior of Certain Higher Order Difference Equation
16.30-16.55	5.30-5.55 PM			**ArzuBilgin:** Two Dimensional Continuous Lotka-Volterra Systems with Difference Equations
17.00-17.25	6.00-6.25 PM			**Mansur Saburov:** Dynamical Systems with Stable, Ergodic, and Historic Behavior
15.30-15.55	8.30-8.55 AM	Population Dynamics and Related Topics	Jim M. Cushing and Gail Wolkowicz	**Elena Braverman:** Global Attractivity of Compartment Models and Neural Networks with a Distributed Delay
16.00-16.25	9.00-9.25 AM			**AzmyAckleh:** Stability Results for Discrete-Time Predator-Prey Models
16.30-16.55	9.30-9.55 AM			**Amy Veprauskas:**When Can Evolution Destabilize System Dynamics?: A Case Study for a Predator-Prey Model
17.00-17.25	4.00-4.25 PM			**Steve Baigent:** Global Stability of Population Models
17.30-17.55	11.30-11.55 AM			**Abdul-Aziz Yakubu:** Strong Allee Effect and Basins of Attraction in Discrete-Time Infectious Disease Models
18.00-19.00	**Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
19:00-20:00	12.00-1.00 PM	General	Jim M. Cushing	**Saber Elaydi:** Non-autonomous Difference Equations/Discrete Dynamical Systems and Applications

July 28 (Wednesday)

Contributed Talks (MS Team: Contributed talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
9.00-9.25	10.00-10.25 AM	Room CT1	Davor Dragičević	**Valery Gaiko:** Bifurcations and Applications of Multi-Parameter Continuous and Discrete Dynamical Systems
9.30-9.55	10.30-10.55 AM			**Sinan Kapcak:** Some Tools for Stability and Bifurcation for Discrete Dynamical Systems
10.00-10.25	10.00-10.25 AM			**Džana Drino:** Period-Doubling and Neimark-Sacker Bifurcations of a Beddington Host-Parasitoid Model with a Host Refuge Effect
10.30-10.55	10.30-10.55 AM			**EminBešo:** Stability of a Certain Class of a Host-Parasitoid Models with a Spatial Refuge Effect
9.00-9.25	9.00-9.25 AM	Room CT2	Fabio Tramontana	**Michal Bełdziński:** Nash-Type Equilibria for Discretizations of Nonlinear Dirichlet Boundary Value Problems
9.30-9.55	8.30-8.55 AM			**Vivaldo Mendes:** Learning to Play Nash Equilibrium in Chaotic Dynamics
10.00-10.25	10.00-10.25 AM			**Marek Galewski:** Critical point theorems in annular domains with applications to nonlinear equations
10.30-10.55	10.30-10.55 AM			**DomagojVlah:** Analytical and Numerical Computation of the Box Dimension of Trajectories for a Class of Systems Having Degenerate Foci
9.00-9.25	9.00-9.25 AM	Room CT3	Yevgeniy Kostrov	**Filip Pietrusiak:** On the Solvability of the Discrete $\(s\left(x, \cdot \right)\)$-Laplacian Problems on Simple, Connected, Undirected, Weighted and Finite Graphs
9.30-9.55	9.30-9.55 AM			**VukVujović:** Dynamical Behavior of the Stochastic Hepatitis C model
10.00-10.25	9.00-9.25 AM			**Issam El Hamdi:** Robust Stability of Stochastic Dynamical Systems With Varying Delays
10.30-10.55	9.30-9.55 AM			**Fandi Sun:** Strong Convergence of Adaptive Milstein Methods for SDEs
9.00-9.25	8.00-8.25 AM	Room CT4	Michal Fečkan	**Rajae Ben Taher:** Solving the Linear Difference Equation with Periodic Coefficients via Linearly Recurring Sequences
9.30-9.55	1.00-1.25 PM			**Jagan Mohan Jonnalagadda:** Stability and Asymptotic Behaviour of a Linear Nabla Fractional Difference Equation
10.00-10.25	1.30-1.55 PM			**Gokula Nanda Chhatria:** Oscillation of Second Order Impulsive Neutral Difference Equations of Non-Canonical Type
10.30-10.55	2.00-2.25 PM			**Jyoti Kori:** Numerical Study on the Filtration Efficiency of Upper Generation of Human Lung
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
8.00-8.25	8.00-8.25 AM	Invertible and Noninvertible Maps - Theory and App	Laura Gardini and Iryna Sushko	**Viktor Avrutin:** Period 2 Implies Chaos: the Hidden Bridge Between Continuous and Discontinuous Worlds
8.30-8.55	8.30-8.55 AM			**Gian Italo Bischi:** Non Connected Basins in Club Goods Adaptive Binary Games
9.00-9.25	9.00-9.25 AM			**Nicolo Pecora:** Dynamics of a New Keynesian Model with Heterogeneous Expectations: the Role of Monetary Policy
9.30-9.55	9.30-9.55 AM			**Lorenzo Cerboni Baiardi:** Bubbling, Riddling, Blowout and Critical Curves
10.00-10.25	10.00-10.25 AM			**Antonio Garijo:** Dynamics of the Secant Map Near a Critical 3-cycle
10.30-10.55	10.30-10.55 AM			**Armengol Gasull:** Periodic Solutions of Perturbed Globally Periodic Discrete Dynamical Systems
11.00-11.25	11.00-11.25 AM			**Francesca Grasseti:** Nonlinear Dynamics in Real Economy and Financial Markets.The role of Dividend Policies in Fluctuations

10.00-10.25	4.00-4.25 PM	Nonlinear Difference Equations and their Applicati	Jianshe Yu, Jia Li and Bo Zheng	**Yantao Shi:** Discrete Dynamical Models on *Wolbachia*Infection Frequency in Mosquito Populations with Biased Release Ratios
10.30-10.55	4.30-4.55 PM			**Rong Yan:** Global Dynamics for a Mosquito Population Suppression Model Interfered by *Wolbachia*-infected Males Causing Incomplete Cytoplasmic Incompatibility
11.00-11.25	5.00-5.25 PM			**Huafeng Xiao:** Periodic Solutions with Prescribed Minimal Period to Hamiltonian Systems
11.30-11.55	5.30-5.55 PM			**Chu-fen Wu:** Propagation Dynamics in a Heterogeneous Reaction-Diffusion System Under a Shifting Environment
12:00-13:00	**Lunch Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
13.00-14.00	7.00-8.00 PM	General	Bo Zheng	**Jianshe Yu:** A Periodic Discrete Dynamical Model on *Wolbachia* Infection Frequency in Mosquito Populations
14.05-15.05	2.05-3.05 PM	General	Steve Baigent	**Peter E. Kloeden**: Lattice Difference Equations
15.05-15.30	**Break**			
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
15.30-15.55	10.30-10.55 AM	Topological and Low-Dimensional Dynamics	Lubomir Snoha	**Ana Anušić:** Local Structure of Inverse Limit Spaces
16.00-16.25	4.00-4.25 PM			**Andrzej Bis:** Metric Versus Topological Receptive Entropy of Semigroup Actions
16.30-16.55	4.30-4.55 PM			**Jose S. Canovas:** The Dynamics of a Four-Step Feedback Procedure to Control Chaos
17.00-17.25	5.00-5.25 PM			**Jernej Činč:** Genericity of Pseudo-Arc in Various Classes of Interval Inverse Limits
17.30-17.55	6.30-6.55 PM			**Lyudmila Efremova:** Periodic Points of Geometrically Integrable Maps in the Plane
18.00-18.25	6.00-6.25 PM			**Francisco Balibrea:** On Shifts and Distributional Chaos
18.30-18.55	6.30-6.55 PM			**Bill Mance:** Borel Complexity of Sets of Normal Numbers via Generic Points in Subshifts with Specification
15.30-15.55	5.30-5.55 PM	Population Dynamics and Related Topics	Jim M. Cushing and Gail Wolkowicz	**Ziyad AlSharawi:** The Role of Vigilance on a Discrete-Time Predator-Prey Model
16.00-16.25	9.00-9.25 AM			**Jia Li:** Discrete-Time Models for Interactive Dynamics of Wild and Sterile Mosquitoes
16.30-16.55	4.30-4.55 PM			**Daniel Franco:** A New Tool for Studying the Global Stability of Discrete-Time Population Models
17.00-17.25	4.00-4.25 PM			**Zhanyuan Hou:** Modified Carrying Simplex and Global Dynamics of Competitive Maps
17.30-17.55	5.30-5.55 PM			**Senada Kalabušić:**Dynamics of a Class Plant-Herbivore Models with Logistic Growth of Plant Biomass
18.30-19.00	**Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
19:00-20:00	10.00-11.00 AM	General	Azmy Ackleh	**Jim M. Cushing:** Difference Equations and Darwinian Dynamics
MS Team: ISDE Meeting (ICDEA 2021)				
Local Time	**Chair's Time**	**Channel**	**Chair**	**Speaker and Title**
20.15	1.15 PM (CDT)	General	Saber Elaydi	**ISDE Meeting**

July 29 (Thursday)

Contributed Talks (MS Team: Contributed talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
9.00-9.25	9.00-9.25 AM	Room CT1	Witold Jarczyk	**Dino Peran:** Linearization of Hyperbolic Logarithmic Transseries and Dulac Germs
9.30-9.55	10.30-10.55 AM			**Irina Savu:** φ-Contractive Parent-Child Infinite IFSs
10.00-10.25	11.00-11.25 AM			**Cristina Maria Pacurar:** Another Characterization of Hyperbolic Diameter Diminishing to Zero IFSs
10.30-10.55				**Sreelatha Chandragiri:** Difference equations for Restricted Lattice Path Problems
9.00-9.25	9.00-9.25 AM	Room CT2	Zachary Kudlak	**Svetlin Georgiev:** Cubic Splines on Time Scales
9.30-9.55	9.30-9.55 AM			**Iva Drimalova:** Antiprincipal Solutions of Dynamic Symplectic Systems on Time Scales
10.00-10.25	12.30-12.55 PM			**Mohsen Khaleghi Moghadam:** The Left-Right Nabla Fractional Difference Equation with Boundary-Value Condition
10.30-10.55	10.30-10.55 PM			**Zbigniew Lesniak:** On Continuity of Fractional Iterates of Brouwer Homeomorphisms
9.00-9.25	12.30-12.55 PM	Room CT3	Mihaly Pituk	**Giriraj Methi:** A New Method Using Bell Polynomial for Solution of Some Nonlinear Functional Differential Equations
9.30-9.55	1.00-1.25 PM			**SanketTikare:** Nonlinear Time-Varying Delay Dynamic Equations on Time Scales with Impulses
10.00-10.25	1.30-1.55 PM			**Naveenkumar Yadav:** On Topological Distributional Chaos
10.30-10.55	1.00-1.25 PM			**Mehdi Fatehi Nia:** Study of Bifurcation and Chaos in Discrete-Time Rayleigh-Duffing Oscillators
9.00-9.25	9.00-9.25 AM	Room CT4	Gian Italo Bischi	**Sorin Olaru:** Control of Multi-Agent Dynamical Systems: the Coverage Problem
9.30-9.55	9.30-9.55 AM			**Roman ŠimonHilscher:** On Distribution of Focal Points for Conjoined Bases of Symplectic Difference Systems
10.00-10.25	9.00-9.25 AM			**Alberto Pinto:** Cicles of Corruption and Democracy
10.30-10.55	9.30-9.55 AM			**Jose Martins:** Vaccination Against Morbidity Risks: an Evolutionary Dynamics Analysis
12:00-13:00	**Lunch Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
13.00-14.00	12.00-1.00 PM	General	CónallKelly	**John Appleby:** Mean Square Characterisation of Linear Stochastic Equations with Memory
14.05-15.05	1.05-2.05 PM	General	Michal Misiurewicz	**Nina Snigireva:** Beyond Contractive Iterated Function Systems
15.05-15.30	Break			
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
15.30-15.55	2.30-2.55 PM	Topological and Low-Dimensional Dynamics	LubomirSnoha	**Gabriel Fuhrmann:** (Non-)Tameness Among Toeplitz Shifts
16.00-16.25	4.00-4.25 PM			**Dominik Kwietniak:** $\bar{f}$-Continuity of Entropy as a Function of Frequency-Typical Orbits
16.30-16.55	4.30-4.55 PM			**Antonio Linero Bas:** Some Advances in the Study of ω-Limit Sets of Cournot Maps
17.00-17.25	5.00-5.25 PM			**Peter Raith:** Mixing Properties for Expanding Lorenz Maps on the Interval
17.30-17.55	4.30-4.55 PM			**Habib Marzougui:** Special α-Limit Sets of Monotone Maps on Regular Curves
18.00-18.25	12.00-12.25 PM			**Michal Misiurewicz:** Flexibility of Entropies for Piecewise Expanding Unimodal Maps

15.30-15.55	3.30-3.55 PM	Invertible and Noninvertible Maps - Theory and App	Laura Gardini and Iryna Sushko	**Xavier Jarque:** Topological Properties of the Immediate Basins of Attraction for the Secant Method
16.00-16.25	9.00-9.25 AM			**VlajkoL. Kocić:** Dynamics of Certain Classes of Nonlinear Discontinuous Discrete Population Models
16.30-16.55	4.30-4.55 PM			**Fabio Lamantia:** Hybrid Dynamical Systems Through Noninvertible Maps: Some Applications to Economics
17.00-17.25	5.00-5.25 PM			**Victor Manosa:** On Some Pointwise Periodic Integrable Piecewise Linear Maps
17.30-17.55	8.30-8.55 PM			**Tatyana Perevalova:** Transitions Between Several Metastable Consumption States in a Stochastic Consumer Network
18.00-18.25	7.00-7.25 PM			**Anastasiia Panchuk:** Border Collision Bifurcations of Chaotic Attractors in 1D Maps with Multiple Discontinuities
18.30-18.55	6.30-6.55 PM			**Fausto Cavalli:** A Stylized Macro-Model with Interacting Real, Monetary and Stock Markets
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
19:00-20:00	7.00-8.00 PM	General	Sorin Olaru	**Walter Van Assche:** Discrete Painlev´e Equations and Recurrence Coefficients for Orthogonal Polynomials

July 30 (Friday)

Contributed Talks (MS Team: Contributed talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
9.00-9.25	10.00-10.25 AM	Room CT1	Antonio Linero Bas	**Inese Bula:** About a System of Piecewise Linear Difference Equations with Many Periodic Solutions
9.30-9.55	9.30-9.55 AM			**Sanja Kovač:** Ostrowski-Grüss Type Inequality with Application to the Weight TwopointRadau Integral Fomula
10.00-10.25	10.00-10.25 AM			**Mihaly Pituk:** Linearized Stability in the Context of an Example by Rodrigues and Sola-Morales
10.30-10.55	10.30-10.55 AM			**Michal Fečkan:** Impulsive Difference Equations
9.00-9.25	12.30-12.55 PM	Room CT2	Rafael Luis	**G. Narayanan**: Fuzzy Molecular Modeling of Nabla Fractional Difference Complex-Valued Molecular Models of mRNA and Protein in Regulatory Mechanisms
9.30-9.55	11.30-11.55 AM			**Mohammad Sajid:** Period-doubling in Bifurcation Diagrams from Dynamics of Some Special Kinds of Families of Transcendental Functions
10.00-10.25	10.00-10.25 AM			**Daniel Nieves:** Periodicity on Max-Type Difference Equations
10.30-10.55	11.30-11.55 AM			**Anna Goncharuk:** Implicit Linear Difference Equations Over Commutative Rings
9.00-9.25	9.00-9.25 AM	Room CT3	Ziyad AlSharawi	**Witold Jarczyk:** On Generalized Archimedes-Borchardt Algorithm
9.30-9.55	10.30-10.55 AM			**Zeynep Kayar:** Novel Delta and Nabla Hardy-Copson Type Inequalities and their Applications to Dynamic Equations
10.00-10.25	11.00-11.25 AM			**Billur Kaymakçalan:** Diamond-alpha Hardy-Copson Type Dynamic Inequalities and their Extensions
10.30-10.55	11.30-11.55 AM			**Nurten Kilic:** Oscillation Criteria for Nonlinear Difference Equations with Advanced Type
9.00-9.25	9.00-9.25 AM	Room CT4	Zenan Šabanac	**Justin Munyakazi:** A New Parameter-Uniform Discretization of Semilinear Singularly Perturbed Problems
9.30-9.55	8.30-8.55 AM			**Cónall Kelly:** A New Splitting Method for the Cox-Ingersoll-Ross Process
10.00-10.25	9.00-9.25 AM			**Ines Ben Rzig:** Homogeneous Delayed Systems with Fixed Parameter
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
8.00-8.25	2.00-2.25 PM	Invertible and Noninvertible Maps - Theory and App	Laura Gardini and Iryna Sushko	**Wei Zhou:** Global Dynamics Analysis of a Cournot Duopoly Game with R&D spillover and Heterogeneous Products
8.30-8.55	9.30.-9.55 AM			**Zhanybai T. Zhusubaliyev:** Doubling of a Closed Invariant Curve
9.00-9.25	2.00-2.25 PM			**Wirot Tikjha:** Some Properties and Bifurcations of Two-dimensional Lotka-Voterra maps
9.30-9.55	10.30-10.55 AM			**Iryna Sushko:** The Role of Border Collision Bifurcations for Emergence of Business Cycles
10.00-10.25	10.00-10.25 AM			**Marina Pireddu:** Heterogeneous Agents with Adaptively Adjusted Beliefs About Prices in an Evolutive Muthian Cobweb Model
10.30-10.55	10.30-10.55 AM			**Davide Radi:** Chaos, Border Collisions and Stylized Empirical Facts in an Asset Pricing Model with Heterogeneous Agents
11.00-11.25	11.00-11.25 PM			**Fabio Tramontana:** Uncertainty About Fundamental, Pessimistic and Overconfident Traders: a Piecewise-Linear Maps Approach
12:00-13:00	**Lunch Break**			

Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
13.00-14.00	1.00-2.00 PM	General	Laura Gardini	**Rene Lozi:** Researches on Actual or Industrial Applications of Difference Equations: a Chimeric Task?
14.05-15.05	2.05-3.05 PM	General	Michal Misiurewicz	**LubomirSnoha:** Generic Chaos
15.05-15.30	**Break**			
Special Sessions (MS Team: Special Sessions (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
15.30-15.55	9.30-9.55 PM	Nonlinear Difference Equations and their Applicati	Jianshe Yu, Jia Li and Bo Zheng	**Bo Zheng:** A Data-Driven Discrete Model for the Implementation of Incompatible and Sterile Insect Technique in Guangzhou
16.00-16.25	10.00-10.25 PM			**Zhan Zhou:** Discrete Nonlinear Boundary Value Problems with the Mean Curvature Operator
16.30-16.55	10.30-10.55 PM			**Zhongcai Zhu:** Stability and Periodicity in a Mosquito Population Suppression Model Being Composed of Two Sub-Models
17.00-17.25	10.00-10.25 AM			**Eddy Kwessi:** Discrete Dynamics of Dynamic Neural Fields
18.00-19.00	**Break**			
Plenary Talks (MS Team: Plenary talks (ICDEA 2021))				
Local Time	**Speaker's Time**	**Channel**	**Chair**	**Speaker and Title**
19.00-20.00	7.00-8.00 PM	General	Steve Baigent	**Jernej Činč:** Dynamical Planar Embeddings of Tent Inverse Limit Spaces
20.00-20.15	**Break**			
Local Time	**Channel**	**Closing Ceremony (MS Team: Opening and Closing Ceremony (ICDEA 2021))**		
20.15	General	**Closing Ceremony**		