

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 Diaz: 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 SystemsGenerated 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			Dušan Djordjević: L_p 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			Christopher Tisdell: 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			Ulviye Demirbilek: 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 <i>Wolbachia</i>
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			Arzu Bilgin: 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			Azmy Ackleh: 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	Michał 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			Domagoj Vlah: 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 Δ -Laplacian Problems on Simple, Connected, Undirected, Weighted and Finite Graphs
9.30-9.55	9.30-9.55 AM			Vuk Vujović: 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 <i>Wolbachia</i> 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 <i>Wolbachia</i> -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 <i>Wolbachia</i> 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			Sanket Tikare: 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 Šimon Hilscher: On Distribution of Focal Points for Conjoined Bases of Symplectic Difference Systems
10.00-10.25	9.00-9.25 AM			Alberto Pinto: Cycles 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	Cónall Kelly	John Appleby: Mean Square Characterisation of Linear Stochastic Equations with Memory
14.05-15.05	1.05-2.05 PM	General	Michał 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	Lubomir Snoha	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			Michał Misiurewicz: Flexibility of Entropies for Piecewise Expanding Unimodal Maps
15.30-15.55	3.30-3.55 PM	Invertible and	Laura Gardini	Xavier Jarque: Topological Properties of the Immediate Basins of Attraction for the Secant Method

16.00-16.25	9.00-9.25 AM	Noninvertible Maps - Theory and App	and Iryna Sushko	Vlajko L. 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 Painlevé 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			BillurKaymakçalan: 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	Alberto Pinto	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			Diana Mendes: Occasionally Binding Constraints in the New Keynesian Model
10.30-10.55	9.30 – 9.55 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			WirotTikjha: 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	Lubomir Snoha: 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	10.00-11.00 AM	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		