

INVITED SPEAKERS PROGRAM	
09:45-10:30	JULY 11, 2019 (Çatalhöyük Hall)
	<p>İhsan Fazlıoğlu (Istanbul Medeniyet University)</p> <p>Mathemata, A Concept Between the Known and Unknown: Rereading the History of Mathematics in the Islamic Civilization within the Context of the Term 'Hisab'</p> <p><i>The paper will focus on the transformation of the concept of 'mathemata' after the invention of the term 'Hisab' which is a calculation technique based on the 'relations' between numbers and the 'relations' between the magnitudes. Mathemata is inherited by the Islamic civilisation from the ancient civilisations and derives from two terms: arithmos (number) and megethos (magnitude). It is considered to be the study of 'essence'. Additionally, the paper will examine how this new concept arithmetizates the known (sexagesimal, mental, and Indian) and unknown (algebra) quantities. Moreover, it will deal with how the science of surveying (misāḥa) is conducted by using the quantitative representation of the concept magnitude. It will introduce the Seljuk, Ottoman, and Andalusian scholars and treatises that had role in canonization of the taḥrīr movement on mathematical sciences which was began in Marw.</i></p>
11:00-11:45	JULY 11, 2019 (Çatalhöyük Hall)
	<p>Gennadii V. Demidenko (Sobolev Institute of Mathematics)</p> <p>Classes of Systems of Differential Equations of High Dimension</p> <p><i>In this talk, we establish new connections between solutions to classes of systems of nonlinear ordinary differential equations of high dimension and solutions to delay differential equations. These connections make it possible to find approximate solutions to the systems of high dimension by reducing theirs to delay differential equations. Examples of such systems are systems arising when modeling some biological processes; moreover, the dimensions of these systems may be so large that their solving by a computer may constitute a very complicated problem. Such high-dimensional problems in mathematical biology originated authors studies in this direction.</i></p>
13:30-14:15	JULY 11, 2019 (Çatalhöyük Hall)
	<p>Amiran Gotatishvili (Czech Acad. of Science)</p> <p>Some New Results Related to Lorentz GF-Spaces and Interpolation</p> <p><i>Lattice differential equations have been studied with a view of establishing their long time behavior. Normal Hyperbolicity has been used to establish conditions for stability and persistence of the synchronization manifold. In most cases, Lattice structures can take different topological structures depending on the nature of coupling. The degree of structural stability and persistence depends on the coupling configuration; whether it is all-to-all, coupling on a circle, or simple Bravis structure. We use Hausdorff measure to demonstrate the robustness of these topological structures.</i></p>

INVITED SPEAKERS PROGRAM	
14:15-15:30	JULY 11, 2019 (Çatalhöyük Hall)
	<p>Adu A.M. Wasike (School of Science and Information Sciences)</p> <p>Robustness Of Synchronization In A System With A Diffusive-Time-Lag Coupling <i>Lattice differential equations have been studied with a view of establishing their long time behavior. Normal Hyperbolicity has been used to establish conditions for stability and persistence of the synchronization manifold. In most cases, Lattice structures can take different topological structures depending on the nature of coupling. The degree of structural stability and persistence depends on the coupling configuration; whether it is all-to-all, coupling on a circle, or simple Bravis structure. We use Hausdorff measure to demonstrate the robustness of these topological structures.</i></p>
16:30-17:15	JULY 11, 2019 (Çatalhöyük Hall)
	<p>Mehmet Fatih Özmantar (Gaziantep University)</p> <p>Mathematics Teacher Educators: Current Situation and Future Projections <i>In this presentation, findings of a recent research study on the present situation of mathematics teacher educators who are actively involved in teacher preparation programs will be shared. The important issues that the findings indicate will be addressed with reference to above-cited questions. The future projection of mathematics teacher educators will be presented and the areas that require further research will be discussed with the participants.</i></p>
10:45-11:30	JULY 12, 2019 (Çatalhöyük Hall)
	<p>Masahiro Yamamoto (University of Tokyo)</p> <p>Analyses For Inverse Problems Related To The Fukushima Daiichi Nuclear Disaster: An Application Of Mathematics <i>The Fukushima Daiichi Nuclear Disaster in March 2011 has released cesium-137 etc. into environments. The long-standing prediction of the diffusion is important and for it, the starting point is inverse problems of determining unknown physical parameters on the basis of model equations. Moreover some extrapolation procedure of measured data is a kind of inverse problems. I discuss the following three related inverse problems and present numerical results for field data as well as theoretical results such as the uniqueness and the stability:</i></p> <ul style="list-style-type: none"> • Determination of amplitude of explosion • Diffusion of radioactive substances in the soil related to the decontamination of farm- lands and estimation of air dose rate of radioactive substances • air dose rate of radioactive substances at the human height level by high-altitude data by drones The incident was very serious but the needed mathematical analysis is quite standard. I intend to demonstrate that the talk is a case study where mathematics is effective also for such serious real-world problems.

INVITED SPEAKERS PROGRAM	
11:30-12:15	JULY 12, 2019 (Çatalhöyük Hall)
	<p>Haydar Bulgak (Selçuk University)</p> <p>Linear Algebra without Determinant <i>A brief description of the structure of a standard undergraduate course of linear algebra is given. This course uses only concepts which are relevant from the point of view of computing with finite accuracy. Thus, the spectral theory and the theory of linear equations do not use concept of determinant.</i></p>
15:15-16:00	JULY 12, 2019 (Çatalhöyük Hall)
	<p>Mete Kalyoncu (Konya Technical University)</p> <p>Importance Of Mathematical Modeling And Optimization in Industrial Applications <i>Generally speaking, the importance of mathematical modeling and optimization in real industry applications and its benefits will be discussed. In various applications carried out in industry, the way of implication, results achieved, the advantages provided of the mathematical modeling and optimization works will be explained.</i></p>
16:00-16:45	JULY 12, 2019 (Çatalhöyük Hall)
	<p>Vagif S. Guliyev (Kütahya Dumlupınar University)</p> <p>Maximal and singular integral operators and their commutators in variable exponent generalized weighted Morrey spaces <i>We consider the generalized weighted Morrey spaces $M_{\omega, p(\cdot), \varphi}(R^n)$ with variable exponent $p(x)$ and a general function $\varphi(x, r)$ defining the Morrey- type norm. We prove the boundedness of the Hardy-Littlewood maximal operator and Calderon-Zygmund singular operators with standard kernel, in such spaces. We also prove the boundedness of the commutators of maximal operator and Calderon-Zygmund singular operators in the variable exponent generalized weighted Morrey spaces.</i></p>
10:15-11:00	JULY 13, 2019 (Çatalhöyük Hall)
	<p>Cenap Özel (King Abdulaziz University)</p> <p>Abstract Omega Algebra that Subsumes Tropical Min and Max Plus Algebras <i>In this talk abstract omega algebra is introduced and the definition is modeled in such a way that it subsumes almost all so called tropical min and max plus algebras. Concrete examples of distinct nature of these algebras are presented. As applications, symmetrized omega algebras are constructed and matrices with basic operations and some topological distances over them are defined</i></p>

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JULY 11, 2019 THURSDAY	
08:00-09:00	REGISTRATION
09:00-10:30	OPENING SEASON (Çatalhöyük Hall)
09:00-09:45	Opening Ceremony
09:45-10:30	<u>Invited Speaker :</u> İhsan Fazlıoğlu (Istanbul Medeniyet University) Title: Mathemata, A Concept Between the Known and Unknown: Rereading the History of Mathematics in the Islamic Civilization within the Context of the Term 'Hisab'
10:30-11:00	BREAK
11:00-11:45	INVITED SPEAKER AND ANKARA SCIENCE HIGH SCHOLL' S SHOW (Çatalhöyük Hall)
11:00-11:45	Chair: Haydar Bulgak <u>Invited Speaker</u> Gennadii V. Demidenko (Sobolev Institue of Mathematics) Title: Classes of Systems of Differential Equations of High Dimension
11:45-12:15	Ankara Science High School' s Show
12:15-13:30	LUNCH
13:30-15:00	INVITED SPEAKERS (Çatalhöyük Hall)
	Chair: Gennadii V. Demidenko
	Speaker: Amiran Gotatishvili (Czech Acad. of Science) Title: Some New Results Related to Lorentz GF-Spaces and Interpolation
	Speaker: Adu A.M. Wasike (School of Science and Information Sciences) Title: Robustness Of Synchronization In A System With A Diffusive-Time-Lag Coupling
15:00-15:15	BREAK

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JULY 11, 2019 THURSDAY		
15:15-16:15	APPLIED MATHEMATICS I (HALL 1)	
	Chair : Hanlar Reşidoğlu	
	Authors	Titles
	Özlem Kaytmaz *	A Global Carleman Estimate For The Ultrahyperbolic Schrödinger Equation
	İsmet Gölgeleyen, Neslihan Albuz *	Approximate Solution Of An Inverse Problem For A Stationary Kinetic Equation
	Olgun Cabri *, Hanlar Reşidoğlu	On The Riesz Basisness Of Root Functions Of Discontinuous Boundary Problem
	Özlem Kaytmaz *	A Local Carleman Type Inequality For An Ultrahyperbolic Schrödinger Equation
15:15-16:15	APPLIED MATHEMATICS II (HALL 2)	
	Chair : Mustafa Kandemir	
	Authors	Titles
	Halil Anaç *, Mehmet Merdan, Tülay Kesemen	Applications of Crank-Nicolson Method to Some Random Component Partial Differential Equations
	Yadigar Sekerci Firat *	Environmental Change Effect on Oxygen-Plankton System: Mathematical Approach
	Murat Gevgeşoğlu *, Yaşar Bolat	Asymptotic Stability of Linear Delay Difference Equations Including Generalized Difference Operator
	Yadigar Sekerci Firat *	Early Warning Signals of Oxygen-Plankton Dynamics: Mathematical Approach

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15:15-16:15	ANALYSIS (HALL 3)										
	Chair : Palanikumar Shunmugaraj										
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15:15-16:15	GEOMETRY AND TOPOLOGY (HALL 4)										
	Chair : Nesip Aktan										
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	Chair : Ezgi Kaya										
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15:15-16:15	APPLIED SCIENCES (HALL 6)	
	Chair : Ömer Kaan Baykan	
	Authors	Titles
	Nimet Özbay *, Selma Toker, Gülesen Üstündağ Şiray	Examination of a Two Parameter Estimator with Mathematical Programming Method
	Ali Özdemir, Ayşegül Alaybeyoglu, Kadriye Filiz Balbal *	Analysis of Graduate Thesis Made in Turkey on Mobile Applications
	Issam Dawoud *	Forecasting Bank Deposits Rate: Application of ARIMA and Moving Average Models
	Ahmet Sınak *	Minimal Linear Codes and Their Secret Sharing Schemes
15:15-16:15	MATHEMATICS EDUCATION I (HALL 7)	
	Chair : Bilge Peker	
	Authors	Titles
	Feyza Aliustaoğlu *, Abdulkadir Tuna	Investigation Of The Lesson Plan Development Skills Of Mathematics Teacher Candidates Within The Scope Of 4MAT Model
	İbrahim Bayazıt, Dinçkan Harput *	Giftedness And Spatial Thinking: A Qualitative Study
	Beyza Adak *, Feyza Aliustaoğlu, Gizem Tuna, Rabia Vurğun	An Investigation Of The Misconceptions Of Seventh-Grade Students On Ratio And Proportion Subjects
	Feyza Aliustaoğlu *	Mathematics Teacher Candidates' Opinions Based On Developing Lesson Plan For Geometry Learning Area: 4MAT Model And Whole Brain Model

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15:15-16:15	MATHEMATICS EDUCATION II (HALL 8)										
	Chair : Erhan Ertekin										
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	Chair: Ahmet Erdoğan Speaker: Mehmet Fatih Özmantar (Gaziantep University) Title: Mathematics Teacher Educators: Current Situation and Future Projections										
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17:30-18:15	APPLIED MATHEMATICS I (HALL 1)										
	Chair : Başak Karpuz										
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17:30-18:15	APPLIED MATHEMATICS II (HALL 2)	
	Chair : Alparslan Peker	
	Authors	Titles
	Şeyma Tuluce Demiray, Sevgi Kastal *	New Exact Solutions Of (3+1)-Dimensional Modified Quantum Zakharov-Kuznetsov Equation
	Ramazan Çakıroğlu *, Ahmet Duman, Kemâl Aydın	Behavior of Solutions of High Order Difference Equations Systems
	Şeyma Tuluce Demiray, Sevgi Kastal *	Dark-Bright Optical Soliton Solutions Of (3+1)-Dimensional Modified Quantum Zakharov-Kuznetsov Equation
17:30-18:15	ANALYSIS (HALL 3)	
	Chair : Oktay Muhtarov	
	Authors	Titles
	Ömer Kişi *, Erhan Güler	On Fibonacci Ideal Convergence Of Double Sequences In Intuitionistic Fuzzy Normed Linear Spaces
	Palanikumar Shunmugaraj *	A Generalization Of Local Uniform Convexity
	Ömer Kişi *, Erhan Güler	Deferred Statistical Convergence Of Double Sequences In Intuitionistic Fuzzy Normed Linear Spaces
17:30-18:15	GEOMETRY AND TOPOLOGY (HALL 4)	
	Chair : Tuğba Han Dizman	
	Authors	Titles
	Yusuf Beceren *	Some Functions via Semi Open Sets
	Harun Barış Çolakoğlu *	On The Alpha Distance Formulae In Three Dimensional Space
	Fatma Erdoğan, Feyza Yıldız *	Content Analysis of Problem Posing Studies Published in the Field of Mathematics Education in Turkey

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JULY 11, 2019 THURSDAY									
17:30-18:15	ALGEBRA AND NUMBER THEORY (HALL 5)								
	Chair : Tamer Koşan								
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17:30-18:15	MATHEMATICS EDUCATION I (HALL 7)								
	Chair : Sare Şengül								
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	Chair : Mustafa Doğan								
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09:00-10:15	APPLIED MATHEMATICS I (HALL 1)	
	Chair : Masahiro Yamomoto	
	Authors	Titles
	Nihal Özdoğan *, Mevlüde Yakıt Ogun	Local Asymptotic Stability Analysis for a Model with Michaelis-Menten Type Harvesting Rate
	Fikret Gölgeleyen *	An Inverse Problem for an Ultrahyperbolic Equation with Variable Coefficients
	Mustafa Yıldız *	An inverse source problem for a transport-like equation
	İsmet Gölgeleyen, Muhammed Hasdemir*	A numerical method for an Inverse Problem for a non-stationary kinetic equation
	Nihal Özdoğan *, Mevlüde Yakıt Ogun, Mehmet Kocabıyık	A new discretization scheme for a computer virus model
09:00-10:15	APPLIED MATHEMATICS II (HALL 2)	
	Chair : Hasan Bulut	
	Authors	Titles
	Başak Karpuz *	Oscillation of Partial Difference Equations Compared with Ordinary Difference Equations
	Oguzer Sinan *	Computation of the solutions of Sylvester and Stein matrix equations by iterative decreasing dimension method
	Ahmet Duman, Gülnur Çelik Kızıllkan, Ali Osman Çıbıkdiken, Güner Öztürk*, Kemâl Aydın	Algorithm for Schur Stability of an Interval Matrix
	Andak Niyaz Hoşdavran *, Gülnur Çelik Kızıllkan, Ali Osman Çıbıkdiken, Kemal Aydın	Variable Step Size Strategy for Numerical Solutions of Differential Equations $x'' = f(t,x)$
	Haydar Bulgak, Döndü Ergin *	Schur Stability For Delay Difference Equations

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JULY 12, 2019 FRIDAY		
09:00-10:15	ANALYSIS (HALL 3)	
	Chair : Ayhan Şerbetçi	
	Authors	Titles
	Kheireddine Biroud *	Some nonlocal elliptic equations with singular terms at the boundary
	Maysa Gidom *, Ibrahim Çili	Measurement of Lighting Bulbs' Efficiency Using Data Envelopment Analysis-Frontier Analyst
	Ayşegül Keten *	Factorizations of Lipschitz p -compact operators
	Bahtiyar Bayraktar *	Some inequalities of Hermite-Hadamard type for differentiable of class Godunova-Levin functions via fractional integrals
09:00-10:15	GEOMETRY AND TOPOLOGY (HALL 4)	
	Chair : Cenap Özel	
	Authors	Titles
	Günay Öztürk *, Sezgin Büyükkütük, İlim Kişi	Focal Surface of a Tubular Surface with Darboux Frame in IE^3
	Dilek Demirhan *, Gülhan Ayar	Ricci Solitons On Nearly Kenmotsu Manifolds With Semi-Symmetric Metric Connection
	Zeynep Can *	On Distance Formulae in 3-Dimensional Maximum Space
	Naime Demirtaş, Orhan Dalkılıç *	An application in the diagnosis of prostate cancer with the help of bipolar soft rough sets
	Mustafa Aslantaş *, Hakan Sahin , Duran Turkoglu	A Caristi Type Fixed Point Theorem on M_b -Metric Space
09:00-10:15	ALGEBRA AND NUMBER THEORY (HALL 5)	
	Chair : Naim Tuğlu	
	Authors	Titles
	Şeyda İldan *, Aynur Yalçiner	Decision of Fuzzy Neutrosophic Soft Matrix in Geometric Mean and Harmonic Mean
	Evrin Güven *	On Right (σ, τ) -Jordan Ideals
	Taylan Pehlivan *, Emine Albaş	Some identities of b -generalized derivations on prime rings
	Şeyda İldan *, Aynur Yalçiner	Circulant Fuzzy Neutrosophic Soft Matrices

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JULY 12, 2019 FRIDAY		
09:00-10:15	APPLIED SCIENCES (HALL 6)	
	Chair : Akif Durdu	
	Authors	Titles
	Timur Canel *, İrem Bağlan	Modeling of Temperature Distribution as a Function of Laser Energy: Parallel to the Fiber Axis on Poly(ether-ether-ketone) Composites
	Sümeysra Sert *, Filiz Kardiyen	Outlier Detection Methods for Univariate Circular Datasets
	Abdullah Algın *	Fibonacci oscillators, Fibonacci calculus and thermo-statistics
	İrem Bağlan *, Timur Canel	An inverse coefficient problem for quasilinear pseudo-parabolic heat conduction of Polymeric Materials
09:00-10:15	MATHEMATICS EDUCATION I (HALL 7)	
	Chair : Mehmet Fatih Özmantar	
	Authors	Titles
	Ahmet Şahiner, Idris A.Abdulhamid *, Shehab A. Ibrahim	New Multimodal Auxiliary Function and Directional Search for Global Optimization
	Fatih Kaleci *, Ahmet Cihangir	The integration of information and communication technologies for education: Comparative analysis of Turkey and Singapore
	Foroogh Mahigir, Ayatollah Karimi Baghmalek *	The comparison between acceptance and commitment therapy with expressive writing on mathematics anxiety
	Ayatollah Karimi Baghmalek *, Farahnaz Rooghani, Masoome Ghasemipoori	Development and Preliminary Validation of Mathematics Anxiety Symptoms for Iranian Students

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JULY 12, 2019 FRIDAY		
09:00-10:15	MATHEMATICS EDUCATION II (HALL 8)	
	Chair : Neşe Tertemiz	
	Authors	Titles
	Ömer Şahin, Dönsel Danacı *	The Effect of History of Mathematics Activities on the Development of Mental Computation Skill of Seventh Grade Students
	Taha Yasin Bacakoğlu *, Neşe Tertemiz	A Mind-Picking Comparative Study Used By Elementary School Students in The 2nd And 3rd Grade: Prospective Longitudinal Study
	Sema ACAR *, Bilge PEKER	The Investigation of The Relationship Between Number Sense and Algebraic Thinking Skill
	Dönsel Danacı *, Ömer Şahin	The Effect of Mathematics History Activities on the Development of Quantitative Reasoning Skill of Seventh-Grade Students
	Taha Yasin Bacakoğlu *, Neşe Tertemiz	The Effect of Mind-Picking Strategies Teaching on Mind-Picking Skills of 3rd Grade Students
09:00-10:15	MATHEMATICS EDUCATION III (HALL 9)	
	Chair : Cengiz Çınar	
	Authors	Titles
	Cemil İnan *, Serdar Erkuş, Serhat Dağhan	Analysis of Mathematical Achievements of Students with and without Preschool Education and their Attitudes Towards Mathematics Based on the View of 1 st Grade Teachers
	Ali Bozkurt *, Tuğba Han Dizman, Sibel Tutan	The Examination of Secondary School Mathematics Teachers' Geometry-Based Courses in the Context of Geometric Reasoning Processes
	Cemil İnan *, Serdar Erkuş, Serhat Dağhan	The Impact of Activities Developed to Reinforce Learned Concepts on Mathematical Achievements and Permanence of Learned Knowledge of Students
10:15-10:45	BREAK	

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JULY 12, 2019 FRIDAY											
10:45-12:15	INVITED SPEAKERS (Çatalhöyük Hall)										
	Chair : Hasan Hilmi Hacısalihoğlu										
	Speaker: Masahiro Yamamoto (University of Tokyo) Title: Analyses For Inverse Problems Related To The Fukushima Daiichi Nuclear Disaster: An Application Of Mathematics										
	Speaker: Haydar Bulgak (Selcuk University) Title: Linear Algebra Without Determinant										
12:15-14:00	LUNCH										
14:00-15:00	APPLIED MATHEMATICS I (HALL 1)										
	Chair : Fikret Gölgeleyen										
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JULY 12, 2019 FRIDAY		
14:00-15:00	APPLIED MATHEMATICS II (HALL 2)	
	Chair : Ömer Akın	
	Authors	Titles
	Ahmet Sorgun *	The Method Of Finding The Square Of The Number With A Known Number Of Squares
	Yaşar Bolat *	Trichotomy of Nonoscillatory Solutions to First-Order Neutral Difference Equation with Damped Term and Generalized Difference Operators
	Mehmet Merdan, Halil Anaç * , Tülay Kesemen	Projected Differential Transform Method to Some Random Component Nonlinear Partial Differential Equations with Proportional Delay
	Hande Tunçel Gölpek *	Note on Laplacian spectrum of Complementary Prisms
14:00-15:00	ANALYSIS (HALL 3)	
	Chair : Vagif S. Guliyev	
	Authors	Titles
	İsmail Aydın *	A Note On A Banach Algebra
	Gül Sinem Keleş *, Aydın İzgi	Approximation Properties of Bernstein-Schurer Operators and Rate of Approximation on Interval [-1,1]
	Dilek Söylemez *	On q - Meyer-König and Zeller Operators
	İsmail Aydın *	Vector-Valued Weighted Sobolev Spaces with Variable Exponent

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JULY 12, 2019 FRIDAY											
14:00-15:00	GEOMETRY AND TOPOLOGY (HALL 4)										
	Chair : Kemal Aydın										
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İsmet Altıntaş, Betül Selvi *	Separable Elementary Soft Topological Spaces										
14:00-15:00	ALGEBRA AND NUMBER THEORY (HALL 5)										
	Chair : Aynur Yalçın										
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14:00-15:00	APPLIED SCIENCES (HALL 6)										
	Chair : Nimet Yapıcı Pehlivan										
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14:00-15:00	MATHEMATICS EDUCATION I (HALL 7)	
	Chair : Mehmet Fedai Kaya	
	Authors	Titles
	Fikri Öztürk *	Mathematics education in secondary and high schools: Methodology and 21 st century perspective
	Serpil Yorgancı *	Learning styles, gender and mathematics achievement
	Abuzer Dalga, Emine Selcen Gündoğdu *	Assessment of Early Mathematics Skills in Preschool
	Fikri Öztürk *	Probability and statistics education in secondary and high schools: Methodology and 21 st century perspective
14:00-15:00	MATHEMATICS EDUCATION II (HALL 8)	
	Chair : Mehmet Burak Altınoklu	
	Authors	Titles
	Merve Öz *, Bilge Peker	Analyzing The Effect of Argumentation Based Learning Approach on Students' Argumentation Willingness and Discussion Levels in Triangles
	Ömer Şahin, Kübra Tuğrul *	Social Values in Primary School Mathematics Textbooks
	Merve Öz *, Bilge Peker	Analyzing The Effect of Argumentation Based Learning Approach in Triangles in Terms of Different Variables
	Ömer Şahin , Kübra Tuğrul *, Birol Tekin	Studying Strategies of Undergraduate Students

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JULY 12, 2019 FRIDAY											
14:00-15:00	MATHEMATICS EDUCATION III (HALL 9)										
	Chair : Cemil İnan										
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15:00-15:15	BREAK										
15:15-16:45	INVITED SPEAKERS (Çatalhöyük Hall)										
	Chair: İsmail Ekinciöđlu										
	Speaker: Mete Kalyoncu (Konya Technical University) Title: Importance Of Mathematical Modeling And Optimization in Industrial Applications										
	Speaker: Vagif S. Guliyev (Kütahya Dumlupınar University) Title: Maximal and Singular Integral Operators and Their Commutators in Variable Exponent Generalized Weighted Morrey Spaces										
16:45-17:00	BREAK										

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JULY 12, 2019 FRIDAY		
17:00-18:00	APPLIED MATHEMATICS I (HALL 1)	
	Chair : Mustafa Yıldız	
	Authors	Titles
	Ibrahim Tekin *	An inverse coefficient problem for a non-linear wave equation
	Aytekin Enver *, Fatma Ayaz, Fahd Jarad	Analytic Solution of Fractional Heat Equation Via Double LaÇatalhöyük Hall Transform
	Hajar F. Ismael, Hasan Bulut *	On the wave solutions of (2+1)-dimensional time-fractional Zoomeron equation
	Salman Khodayifar *	A Possibility Programming Approach for Integrated Supply Chain Network Design with Distributed Generation
17:00-18:00	APPLIED MATHEMATICS II (HALL 2)	
	Chair : İlhan Öztürk	
	Authors	Titles
	Ercan Balcı *, İlhan Öztürk, Şenol Kartal	Dynamical behaviour of fractional order tumor model with Caputo and conformable fractional derivative
	Baver Okutmuşur *	A Survey on Spacetime Geometries and Relativistic Models
	Volkan Ala *, Khanlar R. Mamedov	On an Expansion Formula for a Singular Sturm-Liouville Operator
	Khanlar R. Mamedov, Sertaç Göktaş *	The Levinson-Type Formula for a Scattering Problem

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17:00-18:00	ANALYSIS (HALL 3)												
	Chair : Ayşegül Keten												
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17:00-18:00	GEOMETRY AND TOPOLOGY (HALL 4)												
	Chair : Erol Yaşar												
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Tuğba Han (Şimşekler) Dizman *	The Category Of Fuzzy Soft Topological Spaces												
17:00-18:00	APPLIED MATHEMATICS III (HALL 5)												
	Chair : Fatma Ayaz												
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17:00-18:00	APPLIED SCIENCES (HALL6)	
	Chair : Ahmet Ergülen	
	Authors	Titles
	Muslu Kazım Körez *, Ahmet Pekgör, Coşkun Kuş	A Comparative Study on the Tests for Repeated Measured Data
	Osman Usta *, Coşkun Kuş	Investigation of Factoring Methods through Simulation in Factor Analysis
	Zehra Özçifçi *, Buğra Saraçoğlu	Type I Generalized Half Logistic Lindley Distribution and its some properties
	Mehmet Fahri Yapıcıoğlu *, Hasan Hüseyin Sayan, Hakan Terzioğlu	Investigation of demand power for ÇANKIRI

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JULY 13, 2019 SATURDAY											
09:00-10:00	APPLIED MATHEMATICS I (HALL 1)										
	Chair : Yaşar Bolat										
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	Chair : Fahrettin Abdullayev										
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10:15-11:00	INVITED SPEAKER										
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	Speaker: Cenap Özel (King Abdülaziz University) Title: Abstract Omega Algebra That Subsumes Tropical Min and Max Plus Algebras										
11:00-11:15	BREAK										

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	Başak Eligül *, Nesip Aktan	Some Results On Generalized φ -Recurent Almost Cosymplectic (κ, μ) Spaces
	Ferit Yalaz *, Aynur Keskin Kaymakçı	Weak Semi-Local Functions In Ideal Topological Spaces
	Ayhan Erciyes *, Mehmet Baran	Lokal T_0 Constant Filter Convergence Spaces
11:15-12:15	ALGEBRA AND NUMBER THEORY (Hall 5)	
	Chair : Ayşe Dilek Maden	
	Authors	Titles
	Yasemin Taşyurdu, Fikret Işık *	Hessenberg Matrices and Morgan-Voyce Sequences
	Yasemin Alp *, E.Gökçen Koçer	Generalized Fibonacci and Lucas p- Quaternions
	Funda Taşdemir, Tuğba Göresim Toska *	Binomial Double Sums Including Lucas Numbers
	Yasemin Taşyurdu, Fikret Işık *	Determinants and Permanents of Hessenberg Matrices with Fibonacci-Like Sequences

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	Korhan Günel, İclal Gör *	A New Mutation Approach for Particle Swarm Optimization
	Ahmet Tefvik Tipi * , Hasan Hüseyin Sayan	A Mathematical Model for Electromagnetic Fields Around High Voltage Lines
	Ali Özdemir, Ayşegül Alaybeyoglu, Kadriye Filiz Balbal *	A Design of Fuzzy Logic-Based Attitude Determination System
	Ahmet Ergülen , Zeynep Ünal, İbrahim Harmankaya*	Data Envelopment Analysis and Efficiency Analysis of Higher Education Institutions: Example of Selçuk University
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	Authors	Titles
	Suphi Önder Bütüner *	Concept of Arithmetic Mean in Turkish and Singaporean Mathematics Textbooks
	Metin Burak Altınoklu *	Mathematical Training Needed For Applying Mathematics Into Electrical And Electronics Engineering
	Naziye Koçlar * Bilge Peker	Teaching of Algebraic Expressions with Creative Drama Method
	Özge Eda Küçükbardakçı *, Bilge Peker	Metaphoric Perceptions of Middle School Students About the Concept of Zero

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13:30	MOVEMENT TO SCIENCE CENTER										
14:00	EVALUATION MEETING AT THE SCIENCE CENTER										
15:00	SOCIAL PROGRAM										

6. LİSELARASI MATEMATİK YARIŞMASI	
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II. TUR	12 Temmuz 2019 Saat: 09.30 - Kutalmışoğlu Süleyman Şah Sosyal Tesisleri

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Yoksal A. Laylani *, Hisham M. Khudhur	Developed a new Search direction in the conjugate gradient algorithms for unconstrained optimization	
İlayda Özbaşak *, Nüket Aykut Hamal	Existence of positive solutions for mixed fractional differential equation with p-Laplacian operator	
Chouia Sarra *, Zeghdoudi Halim	New weighted distribution :Simulation and Application	
Ali Tambuğa *, Ülfet Atav	Expansion Dynamics of Interacting Bosons on Various Optical Lattices	
Nihal Büyükçizmeci, Filiz Ayrancı *	Computation of isotopic distributions of hypernuclei in nuclear reactions via Monte Carlo method	
Nihal Büyükçizmeci, Filiz Ayrancı *, Aylin Babaoğlu	Calculation of binding energies of hypernuclei in nuclear reactions	
POSTER PRESENTATIONS WILL BE PRESENTED at 14.00 on 11.07.2019.		
WORKSHOPS AND PANEL		
JULY 11, 2019 THURSDAY		
	Supervisor	Workshop
13:15 - 14:45	Fatih Kaleci	Instructional Technologies And Applications In Digital Age (Dijital Çağda Öğretim Teknolojileri Ve Uygulamaları)
15:00 - 16:30	İbrahim Çetin and Mustafa Aydın	The Use Of Questions And Activities Based On Superior Thinking Skills In Mathematics Education (Matematik Eğitiminde Üst Düzey Düşünme Becerilerine Dayalı Soru Ve Etkinliklerin Kullanımı)
JULY 12, 2019 FRIDAY		
	Supervisor	Workshop
09:00 - 10:30	Erhan Ertekin and İbrahim Çetin	Mathematical Modeling and Applications (Matematiksel Modelleme ve Uygulamaları)
10:45 - 12:15	Mehmet Nuri Öğüt	STEM and STEM-Based Event Design (STEM ve STEM Temelli Etkinlik Tasarımı)
14:00 - 15:30	Hatice Çetin	Multiple Representation Mathematics Teaching Practices (Çoklu Temsil Destekli Matematik Öğretimi Uygulamaları)
	Panelists and Moderator	Panel
16:00	Moderator Dr. Öğr. Üyesi İbrahim Çetin Panelists Dr. Fatih Kaleci Prof. Dr. Fatih Özmantar Prof. Dr. Erhan Ertekin Doc. Dr. Ahmet Erdogan	Current problems of mathematics education: Reflections from the field Matematik Eğitiminin Güncel Sorunları: Alandan Yansımalar