INVITED SPEAKERS PROGRAM	
09:45-10:30	**JULY 11, 2019 (Çatalhöyük Hall)**
	İhsan Fazlıoğlu (Istanbul Medeniyet University) **Mathemata, A Concept Between the Known and Unknown: Rereading the History of Mathematics in the Islamic Civilization within the Context of the Term 'Hisab'** *The paper will focus on the transformation of the concept of 'mathemata' after the invention of the term 'Ḥisab' 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.*
11:00-11:45	**JULY 11, 2019 (Çatalhöyük Hall)**
	Gennadii V. Demidenko (Sobolev Institue of Mathematics) **Classes of Systems of Differential Equations of High Dimension** *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.*
13:30-14:15	**JULY 11, 2019 (Çatalhöyük Hall)**
	Amiran Gotatishvili (Czech Acad. of Science) **Some New Results Related to Lorentz GΓ-Spaces and Interpolation** *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 demontrate the robustness of these topological structures.*

INVITED SPEAKERS PROGRAM	
14:15-15:30	**JULY 11, 2019 (Çatalhöyük Hall)**
	Adu A.M. Wasike (School of Science and Information Sciences) **Robustness Of Synchronization In A System With A Diffusive-Time-Lag Coupling** *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 demontrate the robustness of these topological structures.*
16:30-17:15	**JULY 11, 2019 (Çatalhöyük Hall)**
	Mehmet Fatih Özmantar (Gaziantep University) **Mathematics Teacher Educators: Current Situation and Future Projections** *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.*
10:45-11:30	**JULY 12, 2019 (Çatalhöyük Hall)**
	Masahiro Yamamoto (University of Tokyo) **Analyses For Inverse Problems Related To The Fukushima Daiichi Nuclear Disaster: An Application Of Mathematics** *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:* *• 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)**
	Haydar Bulgak (Selçuk University) **Linear Algebra without Determinant** *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.*
15:15-16:00	**JULY 12, 2019 (Çatalhöyük Hall)**
	Mete Kalyoncu (Konya Technical University) **Importance Of Mathematical Modeling And Optimization in Industrial Applications** *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.*
16:00-16:45	**JULY 12, 2019 (Çatalhöyük Hall)**
	Vagif S. Guliyev (Kütahya Dumlupınar University) **Maximal and singular integral operators and their commutators in variable exponent generalized weighted Morrey spaces** *We consider the generalized weighted Morrey spaces $M_{\omega}^{p(\cdot),\varphi}(R^n)$ with variable exponent p(x) and a general function φ(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 max- imal operator and Calderon-Zygmund singular operators in the variable exponent generalized weighted Morrey spaces.*
10:15-11:00	**JULY 13, 2019 (Çatalhöyük Hall)**
	Cenap Özel (King Abdulaziz University) **Abstract Omega Algebra that Subsumes Tropical Min and Max Plus Algebras** *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*

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	**Invited Speaker :** 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 **Invited Speaker** 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 GΓ-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**

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

JULY 11, 2019 THURSDAY		
15:15-16:15	**ANALYSIS (HALL 3)**	
	Chair : Palanikumar Shunmugaraj	
	Authors	**Titles**
	Hayati Olğar *, Oktay Mukhtarov, Kadriye Aydemir	Shannon Sampling Theorem Associated With Discontinuous Sturm-Liouville Problems
	Oktay Mukhtarov, Semih Çavuşoğlu *, Hayati Olğar	Numerical Solution Of One Boundary Problem Using Finite Difference Method
	Oktay Mukhtarov *, Hayati Olğar, Kadriye Aydemir	Eigenvalue Problems With Interface Conditions
	Semih Çavuşoğlu *, Oktay Mukhtarov, Hayati Olğar	Finite Difference Method For Approximate Solution Of A Boundary Value Problem With Interior Singular Point
15:15-16:15	**GEOMETRY AND TOPOLOGY (HALL 4)**	
	Chair : Nesip Aktan	
	Authors	**Titles**
	Erhan Güler *, Ömer Kişi	Astrohelicoidal Surfaces
	Kübra Özkan *	The Fixed Point Theorem And Characterization Of Bipolar Metric Completeness
	Zehra Özdemir *	An Approximation For Null Cartan Helices In Lorentzian 3-Space
	Erhan Güler *, Ömer Kişi	Astrohelicoidal Hypersurfaces in 4-space
15:15-16:15	**ALGEBRA AND NUMBER THEORY (HALL 5)**	
	Chair : Ezgi Kaya	
	Authors	**Titles**
	Seher Tecirli *, Yaşar Nacaroğlu	Some properties on Cartesian product of the zero divisor graphs of commutative rings
	Ümmügülsüm Şener,Bünyamin Şahin*	Total Domination Number of Regular Dendrimer Graph
	M. Tamer Koşan *	On rings whose units and nilpotent elements satisfy some equations
	Semra Kuş *, Naim Tuğlu	Some properties of Fibo-Bernoulli matrices

JULY 11, 2019 THURSDAY		
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

JULY 11, 2019 THURSDAY		
15:15-16:15	**MATHEMATICS EDUCATION II (HALL 8)**	
	Chair : Erhan Ertekin	
	Authors	**Titles**
	Pınar Yıldız *, Azime Atay	Views of Prospective Elementary Teachers' About Use of Concrete Materials In Mathematics Teaching
	Kemal Özgen *, İdris Şeker	Middle School Students' Skills In Mathematical Modelling Problems Designed In Different Types of Representation
	Özlem Kalaycı *, Selda Yıldırım	Mathematics Learning Conceptions of 8th Grade Students
	Azime Atay *, Pınar Yıldız	Classroom Design of Prospective Middle School Mathematics Teachers
16:15-16:30	**BREAK**	
16:30-17:15	**INVITED SPEAKER (Çatalhöyük Hall)**	
	Chair: Ahmet Erdoğan **Speaker:** Mehmet Fatih Özmantar (Gaziantep University) **Title:** Mathematics Teacher Educators: Current Situation and Future Projections	
17:15-17:30	**BREAK**	
17:30-18:15	**APPLIED MATHEMATICS I (HALL 1)**	
	Chair : Başak Karpuz	
	Authors	**Titles**
	Kadriye Aydemir *, Hayati Olğar, Oktay Mukhtarov	The Principal Eigenvalue And The Principal Eigenfunction Of A Boundary-Value-Transmission Problem
	Osman Yılmaz *, Mustafa Kandemir, Kadriye Aydemir	Some Characteristics Of One Periodic Sturm-Liouville Problem
	Oktay Mukhtarov, Kadriye Aydemir *, Hayati Olğar	Equiconvergence With Fourier Series For Non-Classical Sturm–Liouville Problems

JULY 11, 2019 THURSDAY		
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

JULY 11, 2019 THURSDAY		
17:30-18:15	**ALGEBRA AND NUMBER THEORY (HALL 5)**	
	Chair : Tamer Koşan	
	Authors	**Titles**
	Ezgi Kaya *, Ayse Dilek Maden	Improved bounds for the number of spanning trees of graphs
	Nurettin Bağırmaz *	Fuzzy Rough Subgroups on Approximation Space
	Tugba Aslan *	Random generation in the Nottingham group
17:30-18:15	**MATHEMATICS EDUCATION I (HALL 7)**	
	Chair : Sare Şengül	
	Authors	**Titles**
	Habip Mehmet Sevgi *	Undergraduate Student's Views About Creative Thinking Activities Which Applied In Mathematics Course
	Güler Tuluk *	Knowledge of Slope Concept in Mathematics Textbooks in Undergraduate Education
	Habip Mehmet Sevgi *	Evaluation of Graduate Theses About STEM In The Field Of Mathematics Education In Turkey
17:30-18:15	**MATHEMATICS EDUCATION II (HALL 8)**	
	Chair : Mustafa Doğan	
	Authors	**Titles**
	Hatice Çetin, Hamiyet Kaya *	Number Sense Test Development For Primary School 1st Grade Students: Validity And Reliability Study
	Ozan Pala *, Serkan Narlı	Investigation of a proving process in the context of the proof image, the epistemic actions and the enlightenment
	Hatice Çetin *	Virtual Manipulative Development for 6th Grade in Integer Teaching

JULY 12, 2019 FRIDAY		
09:00-10:15	**APPLIED MATHEMATICS I (HALL 1)**	
	Chair : Masahiro Yamomoto	
	Authors	**Titles**
	Nihal Özdoğan *, Mevlüde Yakıt Ongun	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 Ongun, 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 Kızılkan, Ali Osman Çıbıkdiken, Güner Öztürk*, Kemâl Aydın	Algorithm for Schur Stability of an Interval Matrix
	Andak Niyaz Hoşdavran *, Gülnur Çelik Kızılkan, 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

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 ınequalıtıes of Hermıte-Hadamard type for dıfferentıable of class Godunova-Levın functıons vıa fractıonal ıntegrals
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 Yalçıner	Decision of Fuzzy Neutrosophic Soft Matrix in Geometric Mean and Harmonic Mean
	Evrim Güven *	On Right (σ,τ)-Jordan Ideals
	Taylan Pehlivan *, Emine Albaş	Some identities of b-generalized derivations on prime rings
	Şeyda İldan *, Aynur Yalçıner	Circulant Fuzzy Neutrosophic Soft Matrices

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
	Sümeyra Sert *, Filiz Kardiyen	Outlier Detection Methods for Univariate Circular Datasets
	Abdullah Alğın *	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. Ibrahem	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, Ayatolah 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

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 1st 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**	

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	
	Authors	**Titles**
	Oguzer Sinan *	Computation of surface area established by spline functions
	Ahmet Duman *	Dwell Time for the Hurwitz Stability of Switched Linear Differential Systems
	Ersan Erdem *, Gülnur Çelik Kızılkan, Ali Osman Çıbıkdiken	An Advanced Interactive Web Interface for Step Size Strategies
	Saniye İnce Polat *, Gülnur Çelik Kızılkan	Investigation of Lorenz Equation System with Variable Step Size Strategy

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

JULY 12, 2019 FRIDAY		
14:00-15:00	**GEOMETRY AND TOPOLOGY (HALL 4)**	
	Chair : Kemal Aydın	
	Authors	**Titles**
	Gizem Köprülü *, Bayram Şahin	Stability of Harmonic Maps Between Kaehler Manifolds and Nearly Kaehler Manifolds
	İsmet Altıntaş, Kemal Taşköprü *	Soft Partial Metric Spaces
	Ahmet Efe Zaladin*	Generalization of Projection of Cartesian Functions onto Multidimensional Surfaces, Special Focus on Two Dimensional Surfaces
	İsmet Altıntaş, Betül Selvi *	Separable Elementary Soft Topological Spaces
14:00-15:00	**ALGEBRA AND NUMBER THEORY (HALL 5)**	
	Chair : Aynur Yalçıner	
	Authors	**Titles**
	Yasemin Taşyurdu, Ayşe Akpınar *	Padovan and Pell-Padovan Octonions
	Hamza Menken *, Suna Çiçek	On the Mahler Expansions of Some p-Adic Trigonometric Functions*
	Sedat Pak *, Nihat Akğüneş	A study on a graph product over algebraic graph structure
	Yasemin Taşyurdu, Ayşe Akpınar *	Perrin Octonions and Perrin Sedenions
14:00-15:00	**APPLIED SCIENCES (HALL 6)**	
	Chair : Nimet Yapıcı Pehlivan	
	Authors	**Titles**
	Aslı Bektaş Kamışlık *	Peaks Over Threshold Estimation for Ergodic Distribution of a Semi-Markovian Inventory Model
	Hayrinisa Demirci Biçer *	A study on error rate in log-normal distributed populations
	Fatma Tezcan * , Haldun Alpaslan Peker	Double Kamal Transform Method and Its Application for Solving Telegraph Equation

JULY 12, 2019 FRIDAY		
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 21st 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 21st 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

<table>
<tr><th colspan="3">JULY 12, 2019 FRIDAY</th></tr>
<tr><td>14:00-15:00</td><td colspan="2">MATHEMATICS EDUCATION III (HALL 9)</td></tr>
<tr><td rowspan="6"></td><td colspan="2">Chair : Cemil İnan</td></tr>
<tr><td>Authors</td><td>Titles</td></tr>
<tr><td>Recep Çakır, Cem Danacı *</td><td>A Study on the Relationship between the Technological Pedagogical Content Knowledge of Pre-service Teachers and their Views on the Use of Computer Technologies in Mathematics Education</td></tr>
<tr><td>Dinçer Atasoy *</td><td>Comparison of Two Student Groups in The Skills of Transformation of The Verbal Questions to Mathematical Language</td></tr>
<tr><td>Berra Özgür *, Mustafa Doğan</td><td>Evaluation of Mathematics Textbooks in the Concept of Creativity and Comparison of Some Countries</td></tr>
<tr><td>İlknur Yılmaz *, Adem Cengiz Çevikel, Mustafa Doğan</td><td>A Research on the Role of Creative Drama in Mathematics Learning</td></tr>
<tr><td>15:00-15:15</td><td colspan="2">BREAK</td></tr>
<tr><td>15:15-16:45</td><td colspan="2">INVITED SPEAKERS
(Çatalhöyük Hall)</td></tr>
<tr><td rowspan="3"></td><td colspan="2">Chair: İsmail Ekincioğlu</td></tr>
<tr><td colspan="2">Speaker: Mete Kalyoncu (Konya Technical University)
Title: Importance Of Mathematical Modeling And Optimization in Industrial Applications</td></tr>
<tr><td colspan="2">Speaker: Vagif S. Guliyev (Kütahya Dumlupınar University)
Title: Maximal and Singular Integral Operators and Their Commutators in Variable Exponent Generalized Weighted Morrey Spaces</td></tr>
<tr><td>16:45-17:00</td><td colspan="2">BREAK</td></tr>
</table>

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 Okutmuştur *	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

JULY 12, 2019 FRIDAY		
17:00-18:00	**ANALYSIS (HALL 3)**	
	Chair : Ayşegül Keten	
	Authors	**Titles**
	Esra Kaya *, Ismail Ekincioğlu	Fourier-Bessel transforms of Dini-Lipschitz functions on Lebesgue Spaces $L_{p,\gamma}(\mathbb{R}^n_+)$
	Abdulcabbar Sönmez *, Mustafa Cemil Bişgin	Quadruple Band Matrix And Almost Convergence
	Fahreddin Abdullayev *	Polynomial Inequalities in Regions of the Complex Plane
	Fatih Deringöz *, Vagif S. Guliyev , Sabir G. Hasanov	Commutators of fractional maximal operator on Orlicz and generalized Orlicz-Morrey spaces
17:00-18:00	**GEOMETRY AND TOPOLOGY (HALL 4)**	
	Chair : Erol Yaşar	
	Authors	**Titles**
	Bayram Şahin *	Symplectic Submersions
	Fulya Şahin *	Integrability of Generalized F-Structures
	Betül Selvi *, İsmet Altıntaş	Countable Elementary Soft Topological Spaces
	Deniz Poyraz *, Bayram Şahin	Curvatures of Hemi-slant Submanifolds
	Tuğba Han (Şimşekler) Dizman *	The Category Of Fuzzy Soft Topological Spaces
17:00-18:00	**APPLIED MATHEMATICS III (HALL 5)**	
	Chair : Fatma Ayaz	
	Authors	**Titles**
	Ahmet Şahiner, Shehab A. Ibrahem *	A new single-strand smoothing technique and its usage in global optimization
	Tugba Senlik Cerdik *	Existence of Positive Solutions for Fractional *p*-Laplacian Boundary Value Problems
	İlknur Koca, Pelin Yaprakdal *	Mathematical analysis of the spread of SIQR model with Caputo fractional order derivative
	Bahatdin Daşbaşı *, İlhan Öztürk	On the Stability Analysis of Fractional-order Lotka-Volterra Model with Allee Effect

JULY 12, 2019 FRIDAY		
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

JULY 13, 2019 SATURDAY		
09:00-10:00	**APPLIED MATHEMATICS I (HALL 1)**	
	Chair : Yaşar Bolat	
	Authors	**Titles**
	Sanem Akdeniz Şafak *, Ömer Akin, M. Ümit Bingöl	Using fuzzy logic in nomenclature of plant communities and determining syntaxonomic levels
	Ömer Akın, Selami Bayeğ *	System of intuitionistic fuzzy differential equations with intuitionistic fuzzy initial values
	Nilay Akgönüllü Pirim *, Fahd Jarad, Fatma Ayaz	Iterative solutions for boundary value problem in the frame of a generalized Caputo derivative
	Volkan Ala *, Khanlar R. Mamedov	On a bases problem for a Sturm-Liouville operator with eigenparameter- dependent boundary and transmission conditions
09:00-10:00	**APPLIED MATHEMATICS II (HALL 2)**	
	Chair : Fahrettin Abdullayev	
	Authors	**Titles**
	Mehmet Yavuz , Muhittin Susam *	An Application on the Comparison of Numerical and Semi-Analytical Methods
	Büşra Alakoç, Aslı Bektaş Kamışlık *, Tülay Kesemen, Tahir Khaniyev	Ergodic Distribution of a Semi-Markovian Inventory Model when Demand Random Variables Belong to the General Class of $\Gamma(g)$ Distribution
	Aimad Ahriche *, Madjid Kidouche, Saad Mekhilef	Stability of Rotor-Speed Estimator based Wind Turbine Generation System
	Olha Ivanyshyn Yaman, Gazi Özdemir *	Integral equation method for the modified Helmholtz equation with generalized impedance boundary condition

JULY 13, 2019 SATURDAY		
09:00-10:00	**ANALYSIS (HALL 3)**	
	Chair : Fatih Deringöz	
	Authors	**Titles**
	Nurullah Yılmaz *, Ahmet Şahiner	A Generalized Hyperbolic Smoothing Approach for Non-smooth and Non-Lipschitz Functions
	Javid ALI *	Convergence theorems for non-expansive mappings in CAT(0) space and an application
	Derya Çokgür * , Nüket Aykut Hamal	Existence of positive solutions for nonlinear fractional differential equation with p-laplacian operator
09:00-10:00	**GEOMETRY AND TOPOLOGY (HALL 4)**	
	Chair : Hilmi HacıSalihoğlu	
	Authors	**Titles**
	Gülay Koru Yücekaya *	On $IH_S/\mathbb{Z}_p$ split quaternions algebra
	Ümit Yıldırım*, Mehmet Atçeken	A Classification Of C(**α**)-Manifolds
	Adile Dündar *, Nesip Aktan	Some Results On Nearly Cosymplectic Manifolds
	Ayhan Erciyes *, Tesnim Meryem Baran, Muhammad Qasim	Closure Operators In Constant Filter Convergence Spaces
09:00-10:00	**APPLIED MATHEMATICS III (HALL 5)**	
	Chair : Fatih Deringöz	
	Authors	**Titles**
	Muammer Ayata *, Ozan Özkan	A New Approach to System of Fractional Differential equations in Conformable Sense
	Gökçe Yıldız *, Mehmet Sezer	A truncated Bell series approach to solve systems of generalized delay differential equations with variable coefficients
	Cahit Dede *, Ayşe Dilek Maden	Some Borderenergetic Graphs
	Nezihe Turhan Turan *, Halis Can Koyuncuoğlu	A Generalization of Massera's Theorem

JULY 13, 2019 SATURDAY		
09:00-10:00	**APPLIED SCIENCES (HALL 6)**	
	Chair : Ayşegül Alaybeyoğlu	
	Authors	**Titles**
	Öznur İşçi Güneri, Burcu Durmuş *	The classical and heuristic algorithms for shortest path problems
	İsmet Fatih Şekeroğlu * , Mete Kalyoncu	Mathematical Modelling in Image Processing for Quality Control of Rigid Plastic Food Packaging Manufacturing Process
	Berat Yıldız, Nimet Yapıcı Pehlivan, Aynur Şahin *	Application Of Metaheuristic Methods For Portfolio Optimization Problem
09:00-10:00	**MATHEMATICS EDUCATION I (HALL 7)**	
	Chair : İbrahim Çetin	
	Authors	**Titles**
	Sami Sezer Arbağ *	A Research On Mathematıcs Educatıon Post-Graduate Thesıs' Compatıbılıty To Paradıgm Shıft In Relıabılıty
	Atilla Özdemir*, Burcu Durmaz, Ayşegül Büyükkarcı	An Investigation into Some Variables Affecting Mathematics Achievements of Secondary School Students
	Yasin Memiş, Taha Memiş *	Chocolate Roulette: The Use of Mathematical Games in The Classroom
	İbrahim Çetin, Şerife Dev *	Investigation Of The Concept Definitions Of Teacher Candidates: Sample Of Rhombus And Parallelogram

JULY 13, 2019 SATURDAY		
09:00-10:00	**MATHEMATICS EDUCATION II (HALL 8)**	
	Chair : Fatih Kaleci	
	Authors	**Titles**
	Fadimana Karatepe *, Rabiya Gümüş, Rümeysa Uçar, Bilge Peker	Students' Views on Pythagoras HTTM Activity and Application
	Rümeysa Uçar *, Rabiya Gümüş, Fadimana Karatepe, Bilge Peker	A Meta Synthesis Study on Mathematical Literacy
	Şaban Can Şenay *, Ahmet Şükrü Özdemir	Analysis of Errors and Misconceptions about Number Theory Through the Notion of Reducing Abstraction
	Berna Gökoğlu Uçar *, Erhan Ertekin	The relationship between pre-service elementary mathematics teachers' technological pedagogical content knowledge and mathematics teaching anxiety
10:00-10:15	**BREAK**	
10:15-11:00	**INVITED SPEAKER**	
	Chair : Adu A.M. Wasike	
	Speaker: Cenap Özel (King Abdülaziz University) **Title:** Abstract Omega Algebra That Subsumes Tropical Min and Max Plus Algebras	
11:00-11:15	**BREAK**	

JULY 13, 2019 SATURDAY		
11:15-12:15	**APPLIED MATHEMATICS I (HALL 1)**	
	Chair : Ahmet Okay Çelebi	
	Authors	**Titles**
	Ravi P. Agarwal, Arzu Denk Oğuz *, Abdullah Özbekler	Lyapunov-type inequalities for even-order dynamic equations on time scales
	Derya Arslan *	The Difference Scheme on Shishkin Mesh for Nonlinear Singularly Perturbed Problem
	Simge Kacar Eroğlu *, Gamze Yüksel	Stability Analysis of Crank-Nicolson Method for Simplified MagnetoHydroDynamics Equations with Linear Time Relaxation
11:15-12:15	**APPLIED MATHEMATICS II (HALL 2)**	
	Chair : Amiran Gotatishvili	
	Authors	**Titles**
	H. El-Metwally *, M. AL-kaff	Global Behavior of some non-Autonomous Difference Equations
	Gökçe Yıldız *, Mehmet Sezer	A numerical approach based on Bell polynomials to solve of Fredholm integro differential equations with variable coefficients
	Yasemin Başçı *, Adil Mısır, Süleyman Öğrekçi	Ulam' s type stability for Hadamard type fractional integral equations
	Aleksandır Kozlov *, Irina Ints, Ksenia Kalita	Global Lyapunov reducibility of linear differential systems of small dimensions
11:15-12:15	**ANALYSIS (HALL 3)**	
	Chair : Nurullah Yılmaz	
	Authors	**Titles**
	Sevda Akdağ *	Weighted Lacunary Statistical Convergence and Its Applications
	Çağla Sekin, İlham A. Aliev *	A generalization of parabolic potentials associated to LaÇatalhöyük Hall-Bessel differential operator
	Abdülhamit Küçükaslan *, Ayhan Şerbetçi	Generalized Fractional Integral Operators on Vanishing Generalized Local Morrey Spaces

JULY 13, 2019 SATURDAY		
11:15-12:15	**GEOMETRY AND TOPOLOGY (Hall 4)**	
	Chair : Fulya Şahin	
	Authors	**Titles**
	Süleyman Dirik, Mehmet Atçeken *, Ümit Yıldırım	On Contact Pseudo-Slant Submanıfolds Of $(k,\mu)-$ Contact Metric Manifold
	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

JULY 13, 2019 SATURDAY		
11:15-12:15	**APPLIED SCIENCES (HALL 6)**	
	Chair : Coşkun Kuş	
	Authors	**Titles**
	Korhan Günel, İclal Gör *	A New Mutation Approach for Particle Swarm Optimization
	Ahmet Tevfik 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
11:15-12:15	**MATHEMATICS EDUCATION I (HALL 7)**	
	Chair : Hatice Çetin	
	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

JULY 13, 2019 SATURDAY		
11:15-12:15	**MATHEMATICS EDUCATION II (HALL 8)**	
	Chair : Kemal Özgen	
	Authors	**Titles**
	Gülşah Gerez Cantimer , Sare Şengül	Maths class that I dreamed: The designs of the classroom environment of the 5th grade students
	Burcu Durmaz *, Atilla ÖZDEMİR, Ayşegül Büyükkarcı	Investigation of the Operational Knowledge Levels of the 7th Grade Students' About Central Tendency
	Hasan Yasin Tol *, Selin Çenberci	Mathematics Teachers' Views on Scenario Based Learning Method
	Sare Şengül *, Gülşah Gerez Cantimer	How to solve mathematics problem with autistic perspective
12:15-13:30	**LUNCH**	
13:30	**MOVEMENT TO SCIENCE CENTER**	
14:00	**EVALUATION MEETING AT THE SCIENCE CENTER**	
15:00	**SOCIAL PROGRAM**	

6. LİSELARASI MATEMATİK YARIŞMASI	
I. TUR	11 Temmuz 2019 Saat:14.00 - Kilistra Salonu
II. TUR	12 Temmuz 2019 Saat: 09.30 - Kutalmışoğlu Süleyman Şah Sosyal Tesisleri

POSTER PRESENTATIONS	
Aline Abassian *, Farshid Safi	Exploring Mathematical Knowledge of Prospective Secondary Teachers using Model-Eliciting Activities
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 Ibrahim 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 Sorunlari: Alandan Yansımalar