Van Yüzüncü Yıl University

2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018)

SCIENTIFIC PROGRAM

Book of Abstracts

Van, Turkey

September 11-13, 2018

Scientific Committee:
DIFFERENTIAL EQUATIONS
Michal Fečkan Komensky (Comenius) University of Bratislava, SLOVAKIA
Martin Bohner, Missouri University of Science and Technology, Rolla, USA
Vitali I. Slynko, National Academy of Sciences of Ukrainei, Kiev, UKRAINE
Samir H. Saker, Mansoura University Mansoura, EGYPT
FUZZY TOPOLOGY
Oscar Castillo, Instituto Tecnolgico de Tijuana Tijuana BC, MEXICO
Krassimir Todorov Atanassov, Bulgarian Academy of Sciences Sofia, BULGARIA
Said Melliani, Sultan Moulay Slimane University Beni Mellal, MOROCCO
ANALYSIS
Heybetkulu S. Mustafayev-Seferoglu, Yznc Yil niversitesi (Centennial University) Van, TURKEY
Muhammad Aslam Noor, COMSATS Institute of Information Technology, Islamabad, PAKISTAN
Naim L. Braha, University of Prishtina REPUBLIC OF KOSOVA
NUMERICAL ANALYSIS
Abdon Atangana, University of the Orange Free State Bloemfontein, SOUTH AFRICA
APPLIED MATHEMATICS
Soon-Mo Jung, Hong-Ik University, Jochiwon Campus Chochiwon, REPUBLIC OF KOREA
Abdel-Shafy Fahmy Obada, Al-Azhar University Nasr City, Cairo, EGYPT
Aliakbar M. Haghighi, Prairie View A&M University Prairie View TX, USA
ALGEBRA
Richard M. Low, San Jose State University San Jose CA, USA

Local Organizing Committee:
Peyami BATTAL (Honorary Board - President of Van Yuzuncu Yil University)
Cemil TUNÇ (Chair - Dean of Faculty of Science)
Nagehan Alsoy Akgün (Scientific Program)
İsmail Hakkı Denizler (Finance Organizer)
Sultan Erdur (Local Organization and Secretary)
Bahar Kalkan (Local Organization and Secretary)
Zeynep Kayar (Scientific Program)
Fatih Kutlu (Web and Technical Support)
Ömer Küsmüş (Local Organization and Secretary)
Murat Luzum (Local Organization and Secretary)
Onur Saldır (Local Organization and Secretary)
Hayri Topal (Local Organization and Secretary)
Ali Hakan Tor (Web and Technical Support)
Osman Tunç (Local Organization and Secretary)
Ramazan Yazgan (Local Organization and Secretary)

Editor:
Zeynep Kayar (Van Yüzüncü Yıl University)

Time	Amphi 1	Amphi 2	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108
	September 11, 2018 Tuesday									
9:00-10:00	Registration									
Chair	**C. TUNC**									
10:00-10:30	Opening Ceremony	Opening Ceremony								
10:30-11:15	D. BALEANU	Invited Speaker								
11:15-12:00	A. KHALILI GOLMANKHA-NEH	Invited Speaker								
12:00-13:30	Lunch Break									
Chair	**H. S. MUSTAFAYEV**									
13:30-14:15	S. HRISTOVA	Invited Speaker								
14:15-15:00	V. I. SLYN'KO	Invited Speaker								
15:00-15:15	Coffee Break									
Chair		**O. SALDIR**	**N. ÖKTEM**	**S. ŞEHRIBAN-OĞLU**	**R. C. DEMIRKOL**	**T. HANOY-MAK**	**S. TEMEL**	**Ö. ATAN**	**N. ALSOY-AKGUN**	**Z. YAL-CINKAYA**
15:15-15:35		M. GÖZEN	C. BOZKAYA	D. ALTINTAN	S. ONARAN	Ş. BAYDAŞ	B. SARAÇ	M. CANCAN	Z. KAYAR	Z. SEVİNÇ
15:35-15:55		S. ERDUR	H. GÜNGÖR	H. TAŞKESEN	M. A. AKYOL	A. YOUNUS	S. ŞAHİNKAYA	R. KAMA	S. YAZICI	A. H. TOR
15:55-16:15		M. GHASEMI	E. ATICI EN-DES	M. ALALOUSH	T. KÖRPINAR	A. ÇALIŞKAN	E. AKALAN	M. R. JAB-BARZADEH	Ş. Y. GÜNGÖR	C. CENGİZ
16:15-16:35		E. KORK-MAZ		H. E. AKYÜZ	S. GÜLER	A. ŞAHİN	F. TUĞRUL	M. TELCİ	R. ASLAN	Ö. AYDOĞMUŞ
16:35-16:50	Coffee Break									
Chair		**B. SARAÇ**	**C. BOZKAYA**	**D. ALTIN-TAN**	**S. ONARAN**	**A. KHALILI GOLMAN-KHANEH**	**Ö. AYDOĞ-MUŞ**	**M. TELCİ**	**A. H. TOR**	**F. TUĞRUL**
16:50-17:10		R. YAZGAN	F. EKİNCİ	S. ŞEHRIBAN-OĞLU	R. C. DEMIRKOL	O. TUNÇ	L. BUGAY	O. OĞUR	T. GÜLEŞCE TATLI	W. S. KHEDR
17:10-17:30		Y. ALTUN	N. ÖKTEM	A. DEMİRCİ	M. POLAT	İ. AKBULUT	S. TEMEL	Ö. ATAN	T. HANOY-MAK	Z. YAL-CINKAYA
17:30-17:50		A. YİĞİT	T. TAN-RIVERDİ	A. DEMİRCİ	M. ATA-SEVER	C. TUNC	M. R. MO-TALLEBI	K. U. REHMAN	A. CHEHRAZI	Ş. KUBİLAY
19:00-20:30	CONFERENCE DINNER									

		September 12, 2018 Wednesday							
Time	Amphi 1	Amphi 2	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107
Chair	Y. YAYLI								
9:30-10:15	C. W. WENG	Invited Speaker							
10:15-11:00	M. LAKESTANI	Invited Speaker							
11:00-11:15		Coffee Break							
Chair	M. LAKESTANI								
11:15-12:00	S. SHAH-MORAD	Invited Speaker							
12:00-12:45	Y. YAYLI	Invited Speaker							
12:45-14:15		Lunch Break							
Chair		N. GÖRENTAŞ	B. KALKAN	S. ERDUR	M. LUZUM	Ö. KÜSMÜŞ	İ. H. DENİZLER	C. TEMEL	M. G. SAKAR
14:15-14:35		F. YÖRÜK DEREN	R. N. ÜREGEN	A. KHOJALI	H. KUŞAK SAMANCI	E. ERTEM AKBAŞ	U. DURAN	N. YAREMCHENKO	D. DENİZ
14:35-14:55		T. ŞENLİK ÇERDİK	J. AZAMI	H. GÜNAY AKDEMİR	E. ERKAN	A. KAZEMI PILEDARAQ	E. DEMİRCİ AKARSU	R. OZARSLAN	D. DENİZ
14:55-15:15		F. A. ÇETİNKAYA	R. VARMAZYAR	F. KUTLU	S. BAŞ	N. A. LONE	Ü. SARP	O. SALDIR	M. KARAKUŞ
15:15-15:35		A. AHMAD-KHANLU	S. İĞRET ARAZ	F. TUĞRUL	M. B. KAZEMI	N. ALSOY-AKGÜN	M. BEKAR	F. COŞKUN	Y. KAYA
15:35-15:50		Coffee Break							
15:50-16:10		Poster Presentations							
Chair		F. YÖRÜK DEREN	R. YAZGAN	H. TAŞKESEN	F. KUTLU	C. W. WENG	Ş. BAYDAŞ	H. TOPAL	M. KARAKUŞ
16:10-16:30		H. IŞIK	T. AKTÜRK	A. YILMAZ	G. SOYDAN	M. Ş. ALDEMİR	F. TUTAR	S. UCAR	K. HAGHNEJAD AZAR
16:30-16:50		E. ŞEN	T. AKTÜRK	N. ERDOGAN	S. ŞENYURT	M. Ş. ALDEMİR	B. KALKAN	L. G. LOPES	M. G. SAKAR
16:50-17:10		C. TEMEL	Z. KÖRPINAR	D. ARSLAN	T. YILDIRIM	S. EDİZ	V. DÖRMA	Ö. KÜSMÜŞ	İ. H. DENİZLER

	September 13, 2018 Thursday
Time	Program
8:00	Departure from university campus
09:00-10:30	Van Breakfast
10:30	Departure for Akhdamar Island
11:30-13:00	Visit to Akhdamar Island
13:00	Departure for lunch
14:30-16:00	Lunch (in city centre)
16:00	Return to university campus

Scientific program in details
September 11, 2018

Amphi 1 Chair: Cemil TUNÇ

10:00-10:30 **Opening Ceremony**
10:30-11:15 **Dumitru BALEANU**
    Nonlocality and fractional calculus: Finding the best kernel
11:15-12:00 **Alireza KHALILI GOLMANKHANEH**, Cemil TUNC
    Generalized Reimann calculus on fractal sets and curves and application
12:00-13:30 Lunch Break

Amphi 1 Chair: Heybetkulu S. MUSTAFAYEV

13:30-14:15 **Snezhana HRISTOVA**, Ravi AGARWAL, Ronald O'REGAN
    Stability of Caputo non-instantaneous impulsive fractional differential equations with delays
14:15-15:00 **Vitaliĭ I. SLYN'KO**, Cemil TUNÇ
    Stability of linear switched impulsive systems with unstable subsystems
15:00-15:15 Coffee Break

Amphi 2 Chair: Onur SALDIR

15:15-15:35 **MELEK GÖZEN**, Cemil TUNÇ
    New exponential stability criteria for certain neutral differential equations with interval
    discrete and distributed time-varying delays
15:35-15:55 **Sultan ERDUR**, Cemil TUNÇ
    On the existence of periodic solutions of third order nonlinear differential equations with
    multiple delays
15:55-16:15 Hoshang BEHRAVESH, Mehdi GHAFFARZADEH, **Mohsen GHASEMI**
    Groups whose codegree graphs have no triangle
16:15-16:35 **Erdal KORKMAZ**, Cemil TUNÇ
    Sufficient conditions for global asymptotic stability of neural networks with time-varying
    delays
16:35-16:50 Coffee Break

Amphi 2 Chair: Bülent SARAÇ

16:50-17:10 **Ramazan YAZGAN**, Cemil TUNC
    On the weighted pseudo almost periodic solutions of nonlinear functional Nicholson's blowflies
    equations
17:10-17:30 **Yener ALTUN**, Cemil TUNÇ
    On the global exponential stability of nonlinear neutral differential equations with time-
    varying delays
17:30-17:50 Yener ALTUN, Cemil TUNÇ, **Abdullah YİĞİT**
    On the exponential stability in nonlinear neutral differential equations

19:00-20:00 CONFERENCE DINNER

Room 101 Chair: Nuray ÖKTEM

15:15-15:35 **Canan BOZKAYA**
    MHD natural convection flow in a porous cavity
15:35-15:55 **Hakkı GÜNGÖR**
    Regularization of inverse coefficient determination problem in a hyperbolic problem
15:55-16:15 **Emine ATICI ENDES**, Jonathan A. SHERRATT
    A non-local model for E and N cadherin-dependent cell-cell adhesion
16:35-16:50 Coffee Break

Room 101 <u>Chair: Canan BOZKAYA</u>

16:50-17:10 Erhan PİŞKİN, **Fatma EKİNCİ**
        Blow up of solutions for a quasilinear Kirchhoff-type wave equations with degenerate damping terms
17:10-17:30 **Nuray ÖKTEM**
        An efficient TVD-WAF scheme application for the 2D shallow water equations on unstructured meshes
17:30-17:50 **Tanfer TANRIVERDI**
        Schrödinger equation with potential vanishing exponentially fast

19:00-20:00 CONFERENCE DINNER

Room 102 <u>Chair: Sanem SEHRIBANOGLU</u>

15:15-15:35 **Derya ALTINTAN**, Heinz KOEPPL
        Inference algorithms for jump-diffusion approximations of multi-scale processes
15:35-15:55 **Hatice TASKESEN**
        Blow up of solutions for a stochastic Klein-Gordon equation
15:55-16:15 Hatice TASKESEN, **Mohanad ALALOUSH**
        On the blow-up of solutions for a stochastic Camassa-Holm equation
16:15-16:35 **Hayriye Esra AKYÜZ**
        Approximate confidence interval based on winsorized mean for the coefficient of variation of positively skewed populations
16:35-16:50 Coffee Break

Room 102 <u>Chair: Derya ALTINTAN</u>

16:50-17:10 **Sanem SEHRIBANOGLU**
        Estimation of parameters of Gumbel distribution data
17:10-17:30 Ozlem UGUZ, **Ali DEMIRCI**, Hanzade HAYKIRI ACMA, Serdar YAMAN
        Applicability of regression analysis on the oxygen enriched combustion of Adiyaman- Golbasi lignite
17:30-17:50 Ozlem UGUZ, **Ali DEMIRCI**, Hanzade HAYKIRI ACMA, Serdar YAMAN
        Applicability of regression analysis on the oxygen enriched combustion of Kutahya-Tuncbilek lignite

19:00-20:00 CONFERENCE DINNER

Room 103 <u>Chair: Rıdvan Cem DEMİRKOL</u>

15:15-15:35 **Sinem ONARAN**
        On contact surgeries and a counterexample
15:35-15:55 **Mehmet Akif AKYOL**
        Some properties of conformal generic submersions
15:55-16:15 Zeliha KÖRPINAR, **Talat KÖRPINAR**, Selçuk BAŞ, M. Talat SARIAYDIN
        On inextensible flow with Schrödinger flow
16:15-16:35 **Sinem GÜLER**
        Lorentzian homogeneous generalized Ricci solitons of dimension $n \geq 3$
16:35-16:50 Coffee Break

Room 103 <u>Chair: Sinem ONARAN</u>

16:50-17:10 **Rıdvan Cem DEMİRKOL**, Talat KÖRPINAR, Vedat ASİL, Selçuk BAŞ
A new approach to a bending energy of elastica for space curves in De-Sitter space
17:10-17:30 **Murat POLAT**
Semi-tensor bundle and the vertical lift of tensor fields
17:30-17:50 **Merve ATASEVER**, Sezgin ALTAY DEMİRBAĞ
On the structure of Ricci solitons on gradient Einstein-type manifolds

19:00-20:00 CONFERENCE DINNER

Room 104 <u>Chair: Turgut HANOYMAK</u>

15:15-15:35 **Şenay BAYDAŞ**, Bülent KARAKAŞ
On mechanisms in three-dimensional Minkowski space
15:35-15:55 **Awais YOUNUS**, Hongwei LOU
Input distinguishability of linear dynamic control systems
15:55-16:15 Süleyman ŞENYURT, **Abdussamet ÇALIŞKAN**
Dual pole indicatrix curve and surface
16:15-16:35 **Abdulgani ŞAHİN**, Bünyamin ŞAHİN
Jones polynomial for graphs of twist knots
16:35-16:50 Coffee Break

Room 104 <u>Chair: Alireza KHALILI GOLMANKHANEH</u>

16:50-17:10 **Osman TUNÇ**
A note on certain qualitative properties of solutions in Volterra integro-differential equations
17:10-17:30 **Irem AKBULUT**, Cemil TUNÇ
Analysis of behaviors of solutions of a coupled Volterra integro-differential equations
17:30-17:50 **Cemil TUNÇ**
Instability in nonlinear functional differential equations of higher order

19:00-20:00 CONFERENCE DINNER

Room 105 <u>Chair: Sedat TEMEL</u>

15:15-15:35 **Bülent SARAÇ**
Rings without a middle class: past and recent
15:35-15:55 **Serap ŞAHİNKAYA**, Truong Cong QUYNH
Kernel stable and uniquely generated modules
15:55-16:15 **Evrim AKALAN**, Hidetoshi MARUBAYASHI, Akira UEDA
Strongly graded rings over hereditary Noetherian prime rings
16:15-16:35 **Fatih TUĞRUL**, Şenay BAYDAŞ, Bülent KARAKAŞ
On the orbit surface of two parameter motion
16:35-16:50 Coffee Break

Room 105 <u>Chair: Ö. AYDOĞMUŞ</u>

16:50-17:10 **Leyla BUGAY**
    A general approach to find generating sets of certain finite subsemigroups of symmetric inverse semigroup

17:10-17:30 **Sedat TEMEL**, Tuncar SAHAN, Osman MUCUK
    Crossed modules of group-groupoids and double group-groupoids

17:30-17:50 **Mohammad Reza MOTALLEBI**
    Direct sum of neighborhoods in locally convex cones

19:00-20:00 CONFERENCE DINNER

Room 106 <u>Chair: Özkan ATAN</u>

15:15-15:35 **Murat CANCAN**, Süleyman EDÍZ, Mehmet Şerif ALDEMÍR
    On ve-degrees in Cartesian product of two graphs

15:35-15:55 **Ramazan KAMA**
    On some vector valued multiplier spaces obtained by Zweir matrix method

15:55-16:15 **Mohammad Reza JABBARZADEH**
    Conditional expectation operators on measurable function spaces

16:15-16:35 **Mustafa TELCİ**
    Caristi type related fixed point theorems in two metric spaces

16:35-16:50 Coffee Break

Room 106 <u>Chair: Mustafa TELCİ</u>

16:50-17:10 **Oğuz OĞUR**
    A note on superposition operators in Fibonacci sequence spaces $l_p(F)$

17:10-17:30 **Özkan ATAN**, Fatih KUTLU
    Synchronization control of two chaotic systems via a novel fuzzy control method

17:30-17:50 **Khalil Ur REHMAN**, M. Y. MALIK
    New Lie group of transformation for the non-Newtonian fluid flow narrating differential equations

19:00-20:00 CONFERENCE DINNER

Room 107 <u>Chair: Nagehan ALSOY-AKGÜN</u>

15:15-15:35 **Zeynep KAYAR**
    A novel Lyapunov type inequality for quasilinear impulsive systems

15:35-15:55 **Serdal YAZICI**, Bayram ÇEKİM
    A new generalization of Szász operators and its approximation properties

15:55-16:15 **Şule Yüksel GÜNGÖR**
    Approximation by summation-integral type operators involving Brenke polynomials

16:15-16:35 **Reşat ASLAN**, Aydın İZGİ
    Approximation by bivariate Bernstein-Kantorovich operators on a triangular domain

16:35-16:50 Coffee Break

Room 107 <u>Chair: Ali Hakan TOR</u>

16:50-17:10 **Tuba GÜLEŞCE TATLI**, Turgut HANOYMAK, Ömer KÜSMÜŞ
        Multi-party key exchange protocol and man in the middle attack
17:10-17:30 **Turgut HANOYMAK**, Atilla BEKTAŞ
        On mathematical aspects of blockchain architecture
17:30-17:50 **Akram CHEHRAZI**, Turgut HANOYMAK
        Mathematical aspects of quantum cryptography

Room 108 <u>Chair: Zeki YALÇINKAYA</u>

15:15-15:35 Nazlım Deniz ARAL, **Zeynep SEVİNÇ**
        On a new type of q-Baskakov-Kantorovich operators
15:35-15:55 **Ali Hakan TOR**
        An optimality condition for non-smooth convex problems via *-subgradient
15:55-16:15 **Cansu CENGIZ**, Serkan Ali DUZCE
        Extortion strategies in non-symetric iterated Prisoner's Dilemma
16:15-16:35 **Ozgur AYDOGMUS**
        Approximating the stochastic evolution via difference equations
16:35-16:50 Coffee Break

Room 108 <u>Chair: Feride TUĞRUL</u>

16:50-17:10 **Waleed S. KHEDR**
        Reduction of Navier-Stokes equation to a linear equation
17:10-17:30 **Zeki YALÇINKAYA**, Şenol KUBİLAY, Ali SAVRAN, Necla ÇALIŞKAN
        Studying the kinetic parameters and mechanism of the thermal decomposition (dehydration,
        dehydroxylation and decarbonylation) of some clays using TG traces
17:30-17:50 Zeki YALÇINKAYA, Ali SAVRAN, **Şenol KUBİLAY**, Necla ÇALIŞKAN
        Clay transition (dehydration, dehydroxylation and decarbonylation) kinetics by DTA

19:00-20:00 CONFERENCE DINNER

September 12, 2018

Amphi 1 <u>Chair: Yusuf YAYLI</u>

9:30-10:15 Yen-Jen CHENG, **Chih-Wen WENG**, Feng-Lei FAN
        A conjecture on the spectral radius of a bipartite graph
10:15-11:00 **Mehrdad LAKESTANI**
        Proximal algorithm for compressive sensing
11:00-11:15 Coffee Break

Amphi 1 <u>Chair: Mehrdad LAKESTANI</u>

11:15-12:00 **Sedaghat SHAHMORAD**, Younes TALAEI
        Review of the Tau method
12:00-12:45 **Yusuf YAYLI**
        Quaternions and their applications
12:45-14:15 Lunch Break

Amphi 2 <u>Chair: Necat GÖRENTAŞ</u>

14:15-14:35 **Fulya YORUK DEREN**
        Existence of solutions for a system of coupled fractional boundary value problems
14:35-14:55 **Tugba SENLIK CERDIK**, Fulya YORUK DEREN, Nuket Aykut HAMAL
        Existence of positive solutions for boundary value problems of nonlinear fractional differential
        equations
14:55-15:15 **F. Ayca CETINKAYA**, Ilknur AYDIN
        Spectral properties of a q-fractional boundary value problem
15:15-15:35 **Asghar AHMADKHANLU**, Vedat Suat ERTURK
        Existence of positive solutions for a singular fractional boundary value problem
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Amphi 2 <u>Chair: Fulya YORUK DEREN</u>

16:10-16:30 **Hüseyin IŞIK**
        A new class of set-valued contractions and related results
16:30-16:50 **Erdoğan ŞEN**
        Generalized class of boundary value problems with a constant retarded argument
16:50-17:10 **Cesim TEMEL**
        Krasnoselskii fixed point theorem for singlevalued operators and multivalued operators

Room 101 <u>Chair: Bahar KALKAN</u>

14:15-14:35 **Rabia Nagehan UREGEN**
        On uniformly pr-ideals in commutative rings
14:35-14:55 **Jafar A'ZAMI**, Maryam KHAJEPOUR
        Reduction and coreduction of modules
14:55-15:15 **Rezvan VARMAZYAR**
        On 2-absorbing ideals
15:15-15:35 **Seda İĞRET ARAZ**
        On numerical solution of an optimal control problem involving hyperbolic equation
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 101 <u>Chair: Ramazan YAZGAN</u>

16:10-16:30 **Tolga AKTURK**, Hasan BULUT
Modified expansion function method to the nonlinear problem
16:30-16:50 Eda GUNAYDIN, Yusuf GUREFE, **Tolga AKTURK**
On the kink type and singular solitons solutions to the nonlinear partial differential equation
16:50-17:10 **Zeliha KÖRPINAR**, Mustafa İNÇ
On numerical solutions for fractional (1+1)-dimensional Biswas-Milovic equation

Room 102 <u>Chair: Sultan ERDUR</u>

14:15-14:35 **Ahmad KHOJALI**
A note on the annihilator of certain local cohomology modules
14:35-14:55 **Hande GÜNAY AKDEMİR**
Simulation studies for credibility-based multi-objective programming problems with fuzzy parameters
14:55-15:15 **Fatih KUTLU**, Özkan ATAN
Review on fuzzy thermal image processing applications
15:15-15:35 Fatih KUTLU, **Feride TUĞRUL**, Mehmet ÇİTİL
On temporal intuitionistic fuzzy De Morgan triplets
15:35-15:55 Coffee Break
15:55-16:10 POSTER PRESENTATIONS

Room 102 <u>Chair: Hatice TAŞKESEN</u>

16:10-16:30 **Asuman YILMAZ**, Mahmut KARA
Statistical inference for the inverse Weibull distribution
16:30-16:50 **Necati ERDOGAN**, Asuman YILMAZ, Mahmut KARA
Statistical analysis of wind speed data with some distributions
16:50-17:10 **Derya ARSLAN**
Second-order difference approximation for nonlocal boundary value problem with boundary layers

Room 103 <u>Chair: Murat LUZUM</u>

14:15-14:35 **Hatice KUŞAK SAMANCI**, Muhsin İNCESU
Investigating a quadratic Bezier curve according to N-Bishop frame
14:35-14:55 **Esra ERKAN**, Salim YÜCE
The theory of Bézier curves in $\mathbb{E}^4$
14:55-15:15 **Selçuk BAŞ**, Talat KÖRPINAR, Rıdvan Cem DEMİRKOL, Mustafa YENEROĞLU
Roller coaster surface according to modified orthogonal frame in Euclidean space
15:15-15:35 **Mohammad Bagher KAZEMI BALGESHIR**
Invariant submanifolds of statistical Kenmotsu manifolds and their curvatures
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 103 <u>Chair: Fatih KUTLU</u>

16:10-16:30 **Gökhan SOYDAN**, Gamze SAVAŞ ÇELİK
      Elliptic curves containing sequences of consecutive cubes
16:30-16:50 **Süleyman ŞENYURT**, Abdussamet ÇALIŞKAN
      Curves and ruled surfaces according to alternative frame in dual space
16:50-17:10 **Tülay YILDIRIM**
      Characterization of regular morphisms in terms of abelian categories

Room 104 <u>Chair: Ömer KÜŞMÜŞ</u>

14:15-14:35 **Elif ERTEM AKBAŞ**, Mustafa GÖK
      Misconceptions regarding representativeness in probability subject of high school students:
      Van case
14:35-14:55 **Adel P. KAZEMI**
      Total dominator coloring of a graph
14:55-15:15 **Nisar A. LONE**
      An interplay between Riemann integrability and weaker forms of continuity
15:15-15:35 **Nagehan ALSOY-AKGÜN**
      Numerical study of nanofluids under DDMC in a lid driven cavity
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 104 <u>Chair: Chih-Wen WENG</u>

16:10-16:30 **Mehmet Şerif ALDEMÍR**, Abdalla Khdir Abdalla MANGURI
      On stratified domination and Zagreb indices
16:30-16:50 **Mehmet Şerif ALDEMÍR**, Abdalla Khdir Abdalla MANGURI
      On eccentricity based indices of generalized Petersen graphs
16:50-17:10 **Süleyman EDÍZ**, Murat CANCAN, Mehmet Şerif ALDEMÍR
      On ve-degrees in direct and strong products of two graphs

Room 105 <u>Chair: I. Hakkı DENIZLER</u>

14:15-14:35 **Ugur DURAN**, Mehmet ACIKGOZ, Serkan ARACI
      A note on q-Fubini polynomials
14:35-14:55 **Emek DEMIRCI AKARSU**
      Random process generated by the short incomplete Gauss sums
14:55-15:15 **Umit SARP**, Daeyoul KIM, Sebahattin IKIKARDES
      Some applications about Mobius function
15:15-15:35 **Murat BEKAR**, YUSUF YAYLI
      Some algebraic properties of elliptic biquaternions
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 105 Chair: Şenay BAYDAŞ

16:10-16:30 **FATMA TUTAR**, Şenay BAYDAŞ, Bülent KARAKAŞ
Galois theory and palindromic polynomials
16:30-16:50 **Bahar KALKAN**, Şenay BAYDAŞ, Bülent KARAKAŞ
Inverse kinematics computation for a 6-DOF articulated robot arm using conformal geometric algebra
16:50-17:10 **Vedat DÖRMA**, Bülent KARAKAŞ, Şenay BAYDAŞ
Kinematics of 4R and 2RPR mechanisms in Clifford algebra

Room 106 Chair: Cesim TEMEL

14:15-14:35 Elena BESPALOVA, **Nataliia YAREMCHENKO**
Quasilinearization method in problems of the subcritical deformation of flexible shell systems
14:35-14:55 **Ramazan OZARSLAN**, Erdal BAS, Ahu ERCAN
Singular eigenvalue problems via Hilfer derivative
14:55-15:15 **Onur SALDIR**, Mehmet Giyas SAKAR, Fevzi ERDOGAN
A numerical approach for time-fractional Kawahara equation with reproducing kernel method
15:15-15:35 Zeliha KÖRPINAR, **Fatih COŞKUN**
On the cubic nonlinear Shrodinger's equation with repulsive delta potential
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 106 Chair: Hayri TOPAL

16:10-16:30 **Sumeyra UCAR**, Nihal YILMAZ ÖZGÜR
Canonical finite Blaschke products and decomposibility
16:30-16:50 Roselaine Neves MACHADO, **Luiz Guerreiro LOPES**
Ehrlich-Aberth's type method with King's correction for the simultaneous approximation of polynomial zeros
16:50-17:10 **Omer KUSMUS**, I. Hakkı DENIZLER, Necat GORENTAS
Idempotent unit group in commutative group rings of direct products

Room 107 Chair: Mehmet Giyas SAKAR

14:15-14:35 Hıfsı ALTINOK, Mithat KASAP, **Derya DENİZ**
Strongly Cesaro summability of order β with respect to a modulus function
14:35-14:55 Hıfsı ALTINOK, **Derya DENİZ**, Mithat KASAP
Some properties of sequence class $S^\beta (\Delta, F, f)$ defined by a modulus function
14:55-15:15 **Mahmut KARAKUŞ**, Tunay BİLGİN
$\Lambda-$ matrix as a summability operator and completeness of certain normed spaces via weakly unconditionally Cauchy series
15:15-15:35 **Yasin KAYA**
The maximal function in Sobolev spaces
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Room 107 Chair: Mahmut KARAKUŞ

16:10-16:30 **Kazem HAGHNEJAD AZAR**
    Some notes on the order-to-topology continuous operators
16:30-16:50 **Mehmet Giyas SAKAR**, Onur SALDIR, Fevzi ERDOGAN
    Reproducing kernel method with Bernstein polynomials for fractional boundary value
    problems
16:50-17:10 **İsmail Hakkı DENİZLER**
    An analogue of the Artin-Rees Lemma for Artinian modules

15:50-16:10 POSTER PRESENTATIONS

    Mohammed Salah ABDELOUAHAB, Safa BOURAFA
    On Caputo and Riemann-Liouville fractional-order derivatives with fixed memory length
    Ecem ACAR, Aydın İZGİ
    On approximation by generalized Bernstein-Durrmeyer operators
    Filiz KANBAY, Nurten VARDAR
    A fuzzy methodology on surface representation of greenhouse gas estimation
    Mohammad Bagher MOGHIMI
    Asymptotic aspect of some functional equations
    Ilkay YASLAN KARACA, **Aycan SİNANOĞLU ARISOY**
    Existence of positive solutions for second order impulsive boundary value problems on the
    half-line

September 13, 2018

8:00-16:00 SOCIAL PROGRAM

8:00 Departure from university campus

9:00-:10:30 Van Breakfast

10:30 Departure for Akhdamar Island

11:30-13:00 Visit to Akdamar Island

13:00 Departure for lunch

14:30-16:00 Lunch (in city centre)

16:00 Return to university campus