

**4th International Conference on Natural Sciences (ICNS2019)-
Mathematics & Computer**
University of Kurdistan
18 And 19 April 2019

Conference Schedule

4th International Conference on Natural Sciences (ICNS2019)- Mathematics & Computer

University of Kurdistan
18 And 19 April 2019

Thursday	18 April 2019	Molavi Hall
Opening Ceremony	Faculty of Humanities and Social Sciences	
	9:30 - 11:00	
	Announcement <ul style="list-style-type: none"> • Recitations from Holy Quran • National Anthems (Iran) 	
	Welcome speech by Chancellor of university of Kurdistan Welcome speech by Chancellor of Charmo university Welcome speech by Chancellor of Cihan university Welcome speech by the head of Science and Technology Park of Kurdistan Welcome speech by the chair of Scientific committee	
Coffee Break		11:00-11:30

Thursday 18 April 2019 Keynote speaking			
Time	Title of paper	Speaker	Location
11:30 – 12:30	Smart phones: Effective Tools for Intelligent Transportation Systems in Smart Cities	Dr. Mehdi Ghatee	Ferdowsi Hall
11:30 – 12:30	Parrondo's Paradox for Modelling the Robustness of Genetic Switches	Prof. Hamid Pezeshk	Mastureh Ardalan Hall
12:15 – 14:00	Lunch		

Friday 19 April 2019 Keynote speaking			
Time	Title of paper	Speaker	Location
11:00 – 12:00	Introduction to the wavelets	Dr. Mostafa Shamsi	Ferdowsi Hall
11:00 – 12:00	Filon-Clenshaw-Curtis rules and their improvements for computing oscillatory integrals	Dr. Hasan Majidian	Mastureh Ardalan Hall
12:15 – 14:00	Lunch		

- Accepted papers as posters will presented at hallway of Faculty of Humanities and Social Sciences on Friday 19 April 2019 at 11:00 to 12:00

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**Time scheduling of oral Presentations of ICNS 2019
Mathematics Sessions**

Thursday 18 April 2019

Room: 103

Session Chair: Dr. Mostafa Shamsi			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50	Approximate the solution of Fractional Fredholm integro-differential equations by exponential spline function	Reza Jalilian	Razi university
15:00 – 15:20	Fractional Model for Cooling of a Semi-infinite Body by Radiation	Shahrokh Esmaeili	University of Kurdistan
15:30 – 15:50	Numerical solution of time-dependent differential equations by Haar Wavelet	Fatemh Babaei	University of Kurdistan
16:00 – 16:30	Coffee Break		
Session Chair: Dr. Mehrdad Lakestani			
Time	Title of paper	Speaker	Affiliation
16:30 – 16:50	A New Modification of Legendre-Gauss Collocation Method for Solving Fractional Differential Equations	Samaneh Soradizeid	University of Sistan and Baluchestan
17:00 – 17:20	On some approximate homological properties of certain Banach algebras	Amir Sahami	Ilam University
17:30 – 17:50	Work out a class of fractional q-differential inclusion on multifunctions with approximate endpoint technique1	Mohammadesmael Samei	Bu-Ali Sina

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Thursday 18 April 2019

Room: 104

Session Chair: Dr. Gholamreza Safakish Hamedani			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50	On eigenvalues of generalized shift linear vector isomorphisms	Fatemah Ayatollah-Zadeh Shirazi	University of Tehran
15:00 – 15:20	On bilinear maps on Banach*-algebra	Behrooz Fadaei	University of Kurdistan
15:30 – 15:50	Automatic Continuity of Almost Mixed Jordan Homomorphism between Frechet Algebras	Mohammad Reza Omid	Kermanshah University of Tech.
16:00 – 16:30	Coffee Break		
Session Chair: Dr. Fatemeh Ayatollah-Zadeh Shirazi			
Time	Title of paper	Speaker	Affiliation
16:30 – 16:50	A natural constraint for a quasilinear Schrödinger equation	Yaghoub Jalilian	Razi University
17:00 – 17:20	Cubic edge-transitive graphs of order $12p^3$	Gholamreza Safakishhamedani	Bu-Ali Sina University
17:30 – 17:50	MITTAG-LEFFLER-HYERS-ULAM STABILITY OF FRACTIONAL DIFFERENTIAL EQUATION	Vida Kalvandi	Razi University

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Thursday 18 April 2019

Room: 105

Session Chair: Dr. Shahram Saeidi			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50	On Johnson pseudo-contractibility of some semi-group algebras	Amir Sahami	Ilam University
15:00 – 15:20	Gröbner basis of lattice bases ideals	Hero Saremi	Islamic Azad University, Sanandaj
15:30 – 15:50	Extension of weak amenability of some group algebras on homogeneous spaces	Behrooz Olfatian	Kermanshah university of technology
16:00 – 16:30	Coffee Break		
Session Chair: Dr. Mohammad Ali Ardalani			
Time	Title of paper	Speaker	Affiliation
16:30 – 16:50	Some notions of (σ, τ) - amenability for unitization of Banach algebras	Eghbal Ghaderi	University of Kurdistan
17:00 – 17:20	Stability of Integral Convolution For Certain Subclasses of Analytic Functions	Saman Azizi	Payame Noor University
17:30 – 17:50	New fixed point theorems in complete partial b-metric space	Ghorban Khalilzadeh Ranjbar	Bu-Ali Sina University

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Thursday 18 April 2019

Room: 101

Session Chair: Dr. Kamal Shanazari			
Time	Title of paper	Speaker	Affiliation
16:30 – 16:50	Numerical solution of nonlinear Klien-Gordon equation by using cubic trigonometric B-spline method	Reza Jalilian	Razi University
17:00 – 17:20	Eigen-function expansion for the Sivashinsky equation and its stability	Mehdi Mesrizadeh,	University of Kurdistan
17:30 – 17:50	Numerical studies for fractional delay differential equation of pantograph type	Salameh Sedaghat	Buein Zahra Technical University

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Friday 19 April 2019

Room: 101

Session Chair: Dr. Hassan Majidian			
Time	Title of paper	Speaker	Affiliation
09:00 – 09:20	Compressive sensing MRI using a new fast FISTA method	Mehrdad Lakestani	University of Tabriz
09:30 – 09:50	An overview of the principles, tools and mathematical formulas in image processing	Masoud Pendar	University of Kurdistan
10:00 – 10:20	A Behrens-Fisher Problem for functional data with increasing dimension and its application	Hassan Sharghi Ghale-Joogh	Shahid Beheshti
10:30 – 11:00	Coffee Break		
12:30 – 13:30	Lunch		
Session Chair: Dr. Hoger Ghahramani			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50	On some approximate homological properties of certain Banach algebras	Amir Sahami	Ilam University
15:00 – 15:20	The effect of the superiorization on convergence of some discrete versions of the first-order evolution equation	Seyed Mohsen Hosseini	University of Kurdistan
15:30 – 15:50			
16:00 – 16:30	Coffee Break		

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Friday 19 April 2019

Room: 104

Session Chair: Dr. Reza Jalilian			
Time	Title of paper	Speaker	Affiliation
09:00 – 09:20	A domian Decomposition Method for Approximated Solutions of Linear Quadratic Fractional Optimal Control Problems	Samaneh Soradizeid	University of Sistan and Baluchestan
09:30 – 09:50	Numerical solution of time-dependent differential equations by Haar Wavelet	Fatemh Babaei	University of Kurdistan
10:00 – 10:20	Numerical Approximation of Highly Oscillatory Integrals	Shiva Tanoomand	University of Kurdistan
10:30 – 11:00	Coffee Break		
Session Chair: Dr. Ali Soliman-Jahan			
Time	Title of paper	Speaker	Affiliation
11:00 – 11:20	On possible set-theoretical entropies of self-homeomorphisms of a topological space	Fatemah Ayatollah Zadeh-Shirazi	University of Tehran
11:30 – 11:50	Some generalized notions of homological algebras related to a character	Amir Sahami	Ilam university
12:00 – 12:20	Some properties of Almost Homomorphism between Frechet Algebras	Mohammad Reza Omid	Kermanshah University of Tech
12:30 – 13:30	Lunch		

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Friday 19 April 2019

Room: 105

Session Chair: Dr. Jumah Aswad Zarnan			
Time	Title of paper	Speaker	Affiliation
09:00 – 09:20	Hermite collocation method for solving Hammerstein integral equations	Jumah Aswad Zarnan	Cihan University
09:30 – 09:50	Spectral element method with quasi-linearization for solving Bratu's problem	Mahmud Lotfi	University of Kurdistan
10:00 – 10:20	Application of the RBF meshfree method and the domain decomposition to the numerical solution of the forward-backward heat equation	Siamak Baneh	University of Kurdistan
10:30 – 11:00	Coffee Break		

Friday 19 April 2019

Room: 102

Session Chair: Dr. Arsalan Rahmani			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50			
15:00 – 15:20	A new method of fundamental solutions for time-dependent non-homogeneous heat source problems	Saeed Mohammadi	University of Kurdistan
15:30 – 15:50			
16:00 – 16:30	Coffee Break		

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**Time scheduling of oral Presentations of ICNS 2019–
Computer Sessions**

Thursday 18 April 2019

Room: 102

Session Chair: Dr. Fahimeh Yazdanpanah			
Time	Title of paper	Speaker	Affiliation
14:30 – 14:50	A QoS-aware Service Placement Algorithm for Fog-Cloud Computing Environments	Sadoon Azizi	University of Kurdistan
15:00 – 15:20	Exploring Security, Vulnerabilities and Challenges of the IoT	Omid Fattahi Dartout	Payamnoor University
15:30 – 15:50	Attribute based access control in Internet of Things with machine learning approach and AES authentication	Mina maktabdaran	Tehran Polytechnic
16:00 – 16:30	Coffee Break		
Session Chair: Dr. Sadoon Azizi			
Time	Title of paper	Speaker	Affiliation
16:30 – 16:50	A Fuzzy-Based Routing Scheme for Network-on-Chip Architectures with Honeycomb Topology	Mohammad Alaei	Vali-e-Asr University of Rafsanjan
17:00 – 17:20	An improved hybrid method for address translation layer in SSD memories	Ali Geravand	Kharazmi University
17:30 – 17:50	Comparison of scheduling algorithms for resource allocation in EUTRAN and EPC core	Mina Malekzadeh	University of Hakim Sabzevari

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Friday 19 April 2019

Room: 102

Session Chair: Dr. Mohammad Alaei			
Time	Title of paper	Speaker	Affiliation
09:00 – 09:20	Semantic web for future vision of websites	Ahmed Yass Algarari	Cihan University
09:30 – 09:50	Using web scraping in retrieving Meteorological data and estimation of predictions	Ana Ebrahimi	Azad University of Karaj
10:00 – 10:20	Information literacy and learn satisfaction	Waleed Khalid Hadban	Charmo University
10:30 – 11:00	Coffee Break		
Session Chair: Dr. Sadegh Sulaimani			
Time	Title of paper	Speaker	Affiliation
11:00 – 11:20	Short Message service remotely mobile device control	Kamaram Faraj	Cihan University
11:30 – 11:50	Double Roman domination in unicyclic graphs	Abolfazl Poureidi	Shahrood University of Tech
12:00 – 12:20	Mapping a New System for Outdoor GSM Signal Strength	Lway Faisal Abdulrazak	Cihan University
12:30 – 13:30	Lunch		

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Friday 19 April 2019

Room: 103

Session Chair: Dr. Parham Moradi			
Time	Title of paper	Speaker	Affiliation
09:00 – 09:20	Kurdish Speaker Identification Based On One Dimensional Convolutional Neural Network	Zrar Abdul	Charmo University
09:30 – 09:50	Automatic Brain Tumor Segmentation using Symmetric Super pixels and Deformable Model in MR Images	Niloofar Alipoor Talemi	University of Guilan
10:00 – 10:20	An Adaptive Multicast Routing Algorithm for Network-on-Chip with Fuzzy-based Load Control	Fahimeh Yazdanpanah	Vali-e-Asr University of Rafsanjan
10:30 – 11:00	Coffee Break		
Session Chair: Dr. Amanj Khorramian			
Time	Title of paper	Speaker	Affiliation
11:00 – 11:20	A Systematic and Meta-analysis Survey of Whale Optimization Algorithm	Hardi M. Mohammed	Charmo University
11:30 – 11:50	Using the Analytical Hierarchical Process to the Selection of Complex Network Analysis Tools	Rojiarpir Mohammadiani	University of Kurdistan
12:00 – 12:20	A Scenario-based robust optimization model for the single-depot capacitated location-routing problem	Abdolsalam Ghaderi	University of Kurdistan
12:30 – 12:50	Automated Cervical Cancer Detection using Level Set segmentation and Two-Level Cascade Classification	Mohamad Elyasi Ghop	Chamran University
12:50 – 13:30	Lunch		

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Room: 105

Session Chair: Dr. Alireza Abdollahpouri			
Time	Title of paper	Speaker	Affiliation
11:00 – 11:30	The Performance Comparison on The Database of Child Autism Disease by SVM Kernel Types	Aso Mohammed Aladdin	Charmo University

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**Time scheduling of oral Presentations of ICNS 2019
Statistic Sessions**

Thursday 18 April 2019

Room: 101

Session Chair: Dr. Sirus Fathimanesh			
Time	Title of Papers	Speaker	Affiliation
14:30- 14:50	On Optimal Layer Coverages for SAI and RWSAI Risks	Muhyiddin Izadi	Razi University
15:00-15:20	Comparison of decision trees C4.5 and CART and logistic regression	Tayebeh Karami	Razi University
15:30-15:50	Using Synthetic Data and Dimensionality Reduction in High-Dimensional Classification via Logistic Regression	Shaho Zarei	University of Kurdistan
16:00-16:30	Coffee Break		

Friday 19 April 2019

Room: 101

Session Chair: Dr. Shaho Zarei			
Time	Title of Papers	Speaker	Affiliation
09:00 – 09:20	A deep learning approach to modeling spatial point patterns of locations of different tree species in a tropical rainforest	Abdollah Jalilian	Razi University
09:30 – 09:50	Comparing Present and Accumulated Value of Annuities With different Interest Rates	Sirus Fathi-Manesh	University of Kurdistan
10:00 – 10:20	Reconstruction Order Statistics in Middle Censored Data	Isaac Almasi	Ilam University
10:30-11:00	Coffee Break		

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Friday	19 April 2019	Molavi Hall
Closing Ceremony	Faculty of Humanities and Social Sciences	
	16:00 - 17:30	
	Announcement	
	<ul style="list-style-type: none"> • Recitations from Holy Quran • National Anthems (Iran) 	
	Speech by the Deputation research of university of Kurdistan	
Speech by the chair of Organizing committee		
Awarding and appreciate ceremony		
End	17:00	

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Participants

No.	Name & Family	University
1.	Fatemah Ayatollah Zadeh Shirazi	University of Tehran
2.	Tayebeh Karami	Razi university
3.	seyed Mohsen hosseini	University of Kurdistan
4.	Niloofer Alipoor Talemi	University of Guilan
5.	Masoud Pendar	University of Kurdistan
6.	Mina Malekzadeh	University of Hakim Sabzevari
7.	Zrar Abdul	Charmo University
8.	Ana Ebrahimi	Azad university of Karaj
9.	Eghbal Ghaderi	University of Kurdistan
10.	Mohammad Alaei	ValieAsr University
11.	Fahimeh Yazdanpanah	ValieAsr University
12.	Gholamreza Safakishhamedani	University of Bu-Ali sina
13.	Fataneh Tabarteh Farahani	University of Azad Arak
14.	Rojiar Pir Mohammadiani	University of Kurdistan
15.	Muhyiddin Izadi	Razi University
16.	Fateme Babaei	University of Kurdistan
17.	Omid Fattahidartout	Payam Noor University Tehran, Parand
18.	Shiva Tanoomand	University of Kurdistan
19.	Sadegh Aghdami	University Azad Miyaneh
20.	Sadoon Azizi	University of Kurdistan
21.	Reza Jalilian	Razi University
22.	Mina Maktabdaran	Amir Kabir University
23.	Sirous Fathi Manesh	University of Kurdistan
24.	Abdollah Jalilian	Razi University
25.	Ali Geravand	University of Kharazmi
26.	Behrooz Olfatian Gillan	Kermanshah university of technology
27.	Salameh Sedaghat	Buein Zahra technical university
28.	Kamaran Faraj	Cihan University
29.	Hassan Sharghi Ghale-Joogh	Shahid Beheshti
30.	Hassan Majidian	Tarbiat Modarres University
31.	Hamid Rahimi	Azad University of Mashhad
32.	Abolfazl Poureidi	Shahrood University of Tech
33.	Hero Saremi	Azad University of Sanandaj

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34.	Mohammad Reza Omidi	Kermanshah University of Tech
35.	Amir Sahami	University of Ilam
36.	Lway Faisal Abdulrazak	Cihan University Sulaimaniya
37.	Isaac Almasi	University of Ilam
38.	Mohammadesmael Samei	Bu-Ali Sina University
39.	Mahmoud Lotfi	University of Kurdistan
40.	Ahmed Yass Algrari	Cihan university/suliymani
41.	Ghorban Khalilzadeh Ranjbar	Bu-Ali Sina University
42.	Samaneh Soradizeid	University of Sistan and Baluchestan
43.	Vida Kalvandi	Razi University
44.	Jumah Aswad Zarnan	Cihan University-Sulaimaniy
45.	Atefe Hajati	Razi University
46.	Reza Salehi	Islamic Azad University, Sanandaj
47.	Saman Azizi	Payame Noor University
48.	Hardi Mohammed	Charmo University
49.	Yaghoub Jalilian	Razi University
50.	Waleed Khalid Hadban	Charmo University
51.	Mehrdad Lakestani	University of Tabriz
52.	Siamak Bane	University of Kurdistan
53.	Saeed Mohammadi	University of Kurdistan
54.	Shahrokh Esmaeili	University of Kurdistan
55.	Saho Zarei	University of Kurdistan
56.	Elham Solemani	University of Tehran
57.	Mehdi Mesrizadeh	University of Kurdistan
58.	Behrooz Fadaei	University of Kurdistan
59.	Hamid Farhadi	University of Kurdistan
60.	Hayder Jawaher Ahmed	Charmo University
61.	Aso Mohammed Aladdin	Charmo University