

# October. 28, 2016 Friday

Activity	Time	Class
Registration	8:30– 10:30	GF Lobby
Quran, National Anthem of U.A.E and Islamic Republic of Iran	10:30–10:35	Auditorium
Islamic Azad University Documentary	10:35–10:50	Auditorium
General Chair Speech (Dr. Shahriari)	10:50–11:15	Auditorium
Coffee Break	11:15– 11:30	1 <sup>st</sup> floor Corridor
Keynote Presentation by Witold Pedrycz	11:30– 12:30	Auditorium
Photo Session	12:30– 12:45	GF Lobby
Lunch Break	12:45– 13:45	GF Lunch Room

Session chair of Prof. Witold Pedrycz speech: Prof. Irina Perfilieva

## Session 1

14:00 – 18:00

Session Chair A: Dr. N. Mikaeilvand

Session Chair B: Dr. M. A. Fariborzi Araghi

Title	Authors	Presenter	Time	Class
Application of ANNs approach for solving fully fuzzy polynomials system	Majid Amirfakhrian, M. Ali Fariborzi Araghi, Reza Novin	Reza Novin	14:00-14:20	Room A (1 <sup>st</sup> floor)
Numerical Solution of Fuzzy linear Regression using Fuzzy Neural Network Based on Probability Function	Somayeh Ezadi, Sahar Askari	Somayeh Ezadi	14:00-14:20	Room B (1 <sup>st</sup> floor)
Finite difference approximations to fuzzy Heat equation in polar co-ordinates	Mozhdeh Afshar Kermani	Mozhdeh Afshar Kermani	14:20-14:40	Room A (1 <sup>st</sup> floor)
Generalized numerical ranges and triangular fuzzy matrices	Mohsen Zahraei	Mohsen Zahraei	14:20-14:40	Room B (1 <sup>st</sup> floor)
Determining units Ranking with the Best and the Worst Rank of Each unit as well as Interval Ranking	Mehdi Ahmadi, Mohsen Rostami Malkhalife	Mehdi Ahmadi	14:40-15:00	Room A (1 <sup>st</sup> floor)
Application of Measuring Efficiency and Determining Productivity Changes in the Petrochemical Companies	F. Hosseinzadeh Lotfi, F. Rahnamay-Roodposhti, M. Fallah, M. R. Shahryari, E. Ghazi	F. Hosseinzadeh Lotfi	14:40-15:00	Room B (1 <sup>st</sup> floor)
A Numerical Solution of Fuzzy Initial Value Problem Based on Fuzzy Method	Mohadese Dirbaz	Mohadese Dirbaz	15:00-15:20	Room A (1 <sup>st</sup> floor)
Application of the Fourier transform via Adomian Decomposition method	Nematallah Najafi, Somayye Ezadi	Nematallah Najafi	15:00-15:20	Room B (1 <sup>st</sup> floor)
Context dependent benchmark data envelope analysis	F. Hosseinzadeh Lotfi, M. Ahadzadeh Namin, N. Ebrahimkhani Ghazi	F. Hosseinzadeh Lotfi	15:20-15:40	Room A (1 <sup>st</sup> floor)

The Relationship between Fuzzy Set and n-dimensional Relative Probability	Mohammadhosein Asadian	Mohammad hosein Asadian	15:20-15:40	Room B (1 <sup>st</sup> floor)
---	------------------------	-------------------------	-------------	--------------------------------

Activity	Time	Class
Keynote Presentation by Irina Perfilieva	15:40– 16:40	Auditorium
Coffee Break	16:40-17:00	1 <sup>st</sup> floor Corridor

Session chair of Prof. Irina Perfilieva speech: Prof. Witold Pedrycz

Noise reduction using inpainting and the non-local means	Pavel Vlačánek	Pavel Vlačánek	17:00-17:20	Room A (1 <sup>st</sup> floor)
Spaces with fuzzy partitions and fuzzy sets	Jiří Močkoř, Michal Holčapek	Jiří Močkoř	17:00-17:20	Room B (1 <sup>st</sup> floor)
Malmquist Productivity Index In Ratio Data Envelopment Analysis	Negar Dorri, Mohsen Rostamy-Malkhalifeh	Negar Dorri	17:20-17:40	Room A (1 <sup>st</sup> floor)
Numerical Methods For Fuzzy Poisson Equation Using Finite Element Method	Maryam Ardeshiri Lordejani, Mojhde Afshar Kermani, Leila Qalehe	Maryam Ardeshiri Lordejani	17:20-17:40	Room B (1 <sup>st</sup> floor)
New Indices for Fuzzy Decision Making of Insurance Pricing	Mostafa Alibeigi, Gh. Emamverdi, M.A. Fariborzi Araghi	Mostafa Alibeigi	17:40- 18:00	Room A (1 <sup>st</sup> floor)
Reachability of timed automata	Ivana Micic, Zorana Jancic, Jelena Ignjatovic	Ivana Micic	17:40- 18:00	Room B (1 <sup>st</sup> floor)

# October. 29, 2016      Saturday

Activity	Time	Class
Islamic Azad University, UAE branch Documentary	9:00 – 9:15	Auditorium
Keynote Presentation by Bernard De Baets	9:15 – 10:15	Auditorium
Coffee Break	10:15 – 10:45	1 <sup>st</sup> floor Corridor

Session chair of Prof. Bernard De Baets speech: Prof. V. Novak

## Session 1

10:45 – 12:45

Session Chair A: Prof. Jelena Ignjatovic

Session Chair B: Prof. Irina Perfilieva

Title	Authors	Presenter	Time	Class
Parameters of Fuzzy Bags	Radko Mesiar, Fateme Kouchakinejad, Mashaallah Mashinchi	Radko Mesiar	10:45 -11:05	Room A (1 <sup>st</sup> floor)
Blob Noise Reduction using Unilateral Second Order Gaussian Kernels and the Non-local Means Algorithm	Gang Wang, Carlos Lopez-Molina, Bernard De Baets	Gang Wang	10:45 -11:05	Room B (1 <sup>st</sup> floor)
Difference Methods To Solve First Order Hyperbolic Of Fuzzy Partial Differential Equations	Mojhdeh afshar Kermani, Leila Qalehe, Maryam Ardeshiri Lordejani	Mojhdeh afshar Kermani	11:05-11:25	Room A (1 <sup>st</sup> floor)
Data Envelopment Analysis with Fixed Inputs and Undesirable Outputs and Negative Data	Fatemeh Sadat Seyed Esmaeili Mohsen Rostamy-Malkhalifeh	Mohsen Rostamy	11:05-11:25	Room B (1 <sup>st</sup> floor)
An Introduction to Fuzzy q-Fractional Differential Equations	Nasser Mikaeilvand, Zahra Noeiaghdam	Nasser Mikaeilvand	11:25-11:45	Room A (1 <sup>st</sup> floor)
Maximizing the probability of arriving on time: Robust guidance	Farida Manseur, Nadir Farhi, Habib Haj-Salem, Jean-Patrick Lebacque	Nadir Farhi	11:25-11:45	Room B (1 <sup>st</sup> floor)
Optimal Portfolio Selection under Loss Aversion	Cristinca Fulga	Cristinca Fulga	11:45-12:05	Room A (1 <sup>st</sup> floor)
Logical entropy and conditional logical entropy of fuzzy $\sigma$ -algebras	Abolfazl Ebrahimzadeh, Javad Jamalzadeh	Abolfazl Ebrahimzadeh	11:45-12:05	Room B (1 <sup>st</sup> floor)
Combination of TOPSIS and DEA in the fuzzy conditions and applying them to solutions of real problems	Marjan Darvish, Saeed Mehrabian	Marjan Darvish	12:05-12:25	Room A (1 <sup>st</sup> floor)
Adomian decomposition method for solving impulsive fractional differential equations	Farnoosh Karimi, Khadijeh Sabzi, Masoumeh Keshavarz	Masoumeh Keshavarz	12:05-12:25	Room B (1 <sup>st</sup> floor)

Linguistic Characterization of Natural Data by Applying Intermediate Quantifiers on Fuzzy Association Rules	Petra Murinova, Michal Burda	Michal Burda	12:25-12:45	Room A (1 <sup>st</sup> floor)
Approximate solution for heat equation via the Pade approximation	Maryam Farzam, Mozhdeh Afshar Kermani	Maryam Farzam	12:25-12:45	Room B (1 <sup>st</sup> floor)
<b>Activity</b>	<b>Time</b>	<b>Class</b>		
Lunch Break	13:00 – 14:00	1 <sup>st</sup> floor Corridor		
Keynote Presentation by V. Novak	14:00 - 15:00	Auditorium		

Session chair of Prof. V. Novak speech: Prof. Bernard De Baets

## Session 2

15:00 – 18:00

Session Chair A: Dr. M. Sharifi

Session Chair B: Dr. Jiří Močkoř

Title	Authors	Presenter	Time	Class
Dynamical control of computations using the Iterative Methods to solve Absolute Value Equation	Eisa Zarei, Mohammad Ali Fariborzi Araghi	Mohammad Ali Fariborzi Araghi	15:00-15:20	Room A (1 <sup>st</sup> floor)
Adjacent game ranches with different management objectives: Effect of removing the boundary fence	Mohammed Alrashidi, John W Hearne, Claudio Zorzan, Lynne Mcarthur	Mohammed Alrashidi	15:00-15:20	Room B (1 <sup>st</sup> floor)
Approximation solutions of the complex modified Korteweg-de Vries equation via homotopy analysis method	Soheila Naghshband, Mohammad Ali Fariborzi Araghi	Mohammad Ali Fariborzi Araghi	15:20-15:40	Room A (1 <sup>st</sup> floor)
Multipliers on Hoop-algebras	Reza Tayebi Khorami, Arsham Borumand Saeid	Arsham Borumand Saeid	15:20-15:40	Room B (1 <sup>st</sup> floor)
The Familywise Error Rates for Optimal Tests with Possibility of Decision Rejection	Farshin Hormozinejad	Farshin Hormozinejad	15:40-16:00	Room A (1 <sup>st</sup> floor)
Assessing the Effectiveness of a Single Curriculum for a Group of Students with Different Mathematics Literacy	Mohamad Nekufar, Mohamad A. Movafaghpour	Mohamad A. Movafaghpour	15:40-16:00	Room B (1 <sup>st</sup> floor)
Extended Adams-Bashforth method for Solving Fuzzy Differential Equations under Generalized Differentiability	Nasser Mikaeilvand, Mahnaz Barkhordari Ahmadi, Narsis Aftab Kiani	Nasser Mikaeilvand	16:00-16:20	Room A (1 <sup>st</sup> floor)
Reduced Two-Dimensional Differential Transform Method and Its Applications on Fuzzy Partial Differential Equations	Nasser Mikaeilvand, Sakineh Khakrangin, Mahnaz Barkhordari Ahmadi	Nasser Mikaeilvand	16:00-16:20	Room B (1 <sup>st</sup> floor)
<b>Activity</b>	<b>Time</b>	<b>Class</b>		
Coffee Break	16:20 – 16:40	1 <sup>st</sup> floor Corridor		

A New Approach to Locate the Hippocampus Nest in Brain MR Images by using Anfis	Shima Asghari, Majid Amirfakhrian, Reza Firouzdar	Shima Asghari	16:40-17:00	Room A (1 <sup>st</sup> floor)
A novel method for solving Fuzzy Linear Systems	Nasser Mikaeilvand, Zahra Noeiaghdam	Nasser Mikaeilvand	16:40-17:00	Room B (1 <sup>st</sup> floor)
Right invariant fuzzy-quasi orders on fuzzy automata	Zorana Jancic, Ivana Micic, Jelena Ignjatovic	Zorana Jancic	17:00-17:20	Room A (1 <sup>st</sup> floor)
Adomaian decomposition method for solving fuzzy impulsive fractional differential equations	Khadijeh Sabzi, Masoumeh Keshavarz, Farnoosh Karimi	Masoumeh Keshavarz	17:00-17:20	Room B (1 <sup>st</sup> floor)
DEA-R MODEL AT PRESENCE FLEXIBLE VARIABLE	Masoud Sanei, Farhad Hoseinzadeh Lotfi, Mohammad Reza Mozaffari, Mohsen Mirzaiyan	Mohsen Mirzaiyan	17:20-17:40	Room A (1 <sup>st</sup> floor)
A new method for ranking fuzzy numbers by the Center Of Mass	Hamed Hadi Momenseraee, Mozhdeh Afshar Kermani	Hamed Hadi Momenseraee	17:20-17:40	Room B (1 <sup>st</sup> floor)
Determining common set of weight in DEA-R model using Shannon entropy	Mohsen Mirzaiyan, Farhad Hoseinzadeh Lotfi, Masoud Sanei, Mohammad Reza Mozaffari	Mohammad Reza Mozaffari	17:40-18:00	Room A (1 <sup>st</sup> floor)
Performance evaluation of urban construction activities, municipality of Ahwaz, Iran, using DEA and SFA	Mohammad Khodamoradi, Mohammadhassan Behzadi, Mohsen Rostamymalkhalifeh	Mohammad Khodamoradi	17:40-18:00	Room B (1 <sup>st</sup> floor)

**October. 30, 2016    Sunday**

**Session 1**

**8:00 – 10:00**

**Session Chair A: Dr. M. Rostamy**

**Session Chair B: Dr. M. Afshar Kermany**

<b>Title</b>	<b>Authors</b>	<b>Presenter</b>	<b>Time</b>	<b>Class</b>
Mathematical models for the General Reentrant Shop Scheduling	Mahdi Yazdani, Bahmann Naderi, Mani Sharifi	Mahdi Yazdani	8:00-8:20	Room A (1 <sup>st</sup> floor)
Numerical solutions of fuzzy initial value problem by Adams-Moulton method	Masome Keshavarz, Khadijeh Sabzi, Farnoosh Karimi	Masome Keshavarz	8:00-8:20	Room B (1 <sup>st</sup> floor)
a new mathematical model for desing a reverse logistic network	Mohammad Ali Shafiee, Mani Sharifi, Habibreza Gholami	Mohammad Ali Shafiee	9:40-10:00	Room A (1 <sup>st</sup> floor)
A study on fuzzy Taylor expansion	Razieh Mohammad Hosseiny, Nader Sarshar, Narjes Shabdiny	Razieh Mohammad Hosseiny	8:20-8:40	Room B (1 <sup>st</sup> floor)
A New Mathematical Model for Joint Availability-Redundancy Optimization in a System with Multi-State Components	Mani Sharifi, Mohammadreza Shahriari, Amirhossein Borhani	Mani Sharifi	8:40-9:00	Room A (1 <sup>st</sup> floor)
Finding the optimal step of fuzzy Newton- Cotes integration rules by using CESTAC method	M. A. Fariborzi Araghi, Samad Noeiaghdam	M. A. Fariborzi Araghi	8:40-9:00	Room B (1 <sup>st</sup> floor)
A FUZZY MATHEMATICAL MODEL FOR A SINGLE-ITEM CAPACITATED LOT-SIZING PROBLEM	Esmail Mahdizadeh, Amir Fatehi Kivi, Mani Sharifi	Esmail Mahdizadeh	9:00-9:20	Room A (1 <sup>st</sup> floor)
Numerical solution of a Fuzzy Sylvester matrix equation by using PSO method	Reza Firouzdor, Fereshteh Yazdani, Shima Asghari, Majid Amirfakhrian	Reza Firouzdor	9:00-9:20	Room B (1 <sup>st</sup> floor)
Optimizing a redundancy allocation problem with repairable components and multiple vacation for repairmen	Mani Sharifi, Alireza Haghsheno	Mani Sharifi	9:20-9:40	Room A (1 <sup>st</sup> floor)
Error analysis for the solution of fuzzy differential equations using orghogonal basis functions	Fatemeh Adabi Ghomi, Zahra Shahsavari, Masoumeh Keshavarz	Fatemeh Adabi Ghomi	9:20-9:40	Room B (1 <sup>st</sup> floor)
Decision support system for dynamic pricing of parallel flights	Farhad Etebari, Mani Sharifi	Farhad Etebari	8:20-8:40	Room A (1 <sup>st</sup> floor)
<b>Activity</b>	<b>Time</b>			
City Tour	10:00 am- 4:00 pm			