

Friday June 5, 2009

Opening Session (09:030-10:10)

Opening Speeches

Coffee Break /Poster Sessions

(10:10-10:30)

Workshop Training Programme

Chairman(s): O. Ucan, N. Duru

Part I (10.30-11.30)

Part II (11.30-12.30)

Group Photo / Lunch (12:30-13:30)

Session I, Applications of Wavelet to Real problems (14:00-16:00)

Chairman(s):Y. Marinova, N. P. Özer

A. H. Siddiqi, Wavelet Based Analysis of Biomedical Signals (invited lecture) **(14.00-14.20)**

B. Ayvazoglu A. Karahoca N. Kılıç, O. N. Ucan; Fingerprint Identification Using by Discrete Wavelet Transform (DWT) And Artificial Neural Networks (ANN) **(14.20-14.40)**

Noor E Zahra , Prof.A.H.Siddiqi, P.Manchanda; Wavelet Analysis of EOG **(14.40-15.00)**

Short Break (15.00-15.15)

B. Temel, N. Kilic, B. Ozgultekin, O. N. Ucan; Authentication of Matisse Using Wavelet And Support Vector Machine **(15.15-15.35)**

A.H. Siddiqi, A. Chandiok, V. Singh Bhadouria; Analysis and prediction of energy distribution in electroencephalogram (EEG) using wavelet transform **(15.35-15.55)**

M. Aktas; Wavelet Transform Based Switching Faults in DTC Induction Motor Drives **(15.55-16.15)**

Coffee Break /Poster Sessions

(16.15-16.30)

Session II, Mathematical Modelling of Agricultural Problems (16:30 - 17:30)

Chairman(s): N. Evsahibioğlu, S. Nadezhda

B. Mandel and P. Alpert; Weather Succession in View of Discrete Mathematics **(16.30-16.45)**

A. N. Evsahibioğlu, G. D. Kesmez; CROPWAT: A Mathematical Model For Irrigation Practises **(16.45-17.00)**

S. Mahmood; Field Calibration and Modification of SCS Design Equation for Predicting Length of Border under Local Conditions **(17.00-17.15)**

S. Demirkaya, S. Alp and E. Öz; Long Term Behavior Forecasting of an Arch Dam Using Monte Carlo Simulation Technique **(17.15-17.30)**

D. K. Chaturverdi , A. H.Siddiqi, A. Chandiok and S. AgarvalPrediction for the Time Series of Indian Annual Rainfall Using Wavelets & Neuro-Fuzzy **(17.30-17.45)**

Dinner (19.30-20.30)

Saturday June 6, 2009

Workshop Training Programme

Chairman(s): O.Ucan, N.Duru

Part III (09.00-10.00)

Part IV (10.00-11.00)

**Coffee Break /Poster Sessions
(11:00-11:15)**

Session III, Engineering and Environmental Problems (11:15-12:15)

Chairman(s): O.Ucan, H. K. Sevindir,

Y. S. Ünal, H. Toros, A. Deniz and S. İncecik; Wavelet Analysis of Annual Precipitation Variability In Turkey (11.15-11.30)

G. Erdemir and B. Gunay, Scenario Analysis of Microspheric Traffic Simulation using Wavelets (11.30-11.45)

V. Yazıcı, Numerical Solution of The Problem Related to Elastic Bending (11.45-12.00)

M Altunç, A. Tokgozlu and Z. Aslan; Wavelet Analyses of Wind Energy Potential (12.00-12.15)

Lunch (12:15-13:15)

Session IV, Computer Simulation, Applications of Fuzzy Logic (13.30-14.30)

Chairman(s): S. Mahmood, Prof. Dr. N. Aydın

N. Mamadova; Prediction of the Milk Yield in Brown Swiss Cows using a Fuzzy Logic (13.30-13.45)

Z. Eken and S. Sezer; Fuzzification of Some Natural Properties in a Vague Lattice (13.45-14.00)

S. İlhan and N. Duru; Improved Fuzzy Art for Clustering Patterns (14.00-14.15)

S. Gürsakal; Detecting Long Memory in Financial Time Series With Wavelets: Evidence From İMKB (14.15-14.30)

Coffee break /Poster Sessions

(14.30-14.45)

Session V, Mathematical Physics

(14:45-15:00)

Chairman(s):Ö.Oğuz C.D. İnce

G.R. Adilov, S. Kemali; Hermite-Hadamard Type Inequalities and Increasing Convex-Along-Rays Functions (14.45-15.00)

H. Sevindir and C.Yazıcı; An Effective Algorithm For Matrix Valued Interpolation Problem (15.00-15.15)

H.Kodal Sevindir, on Applications of The Nevanlinna-Pick Interpolation Problems (15.15-15.30)

M. A. Bayrak, A. Gokayoglu Fatullayev, E. Can; Numerical Algorithm for Determining of Space-Dependent Unknown Coefficient in The Parabolic Equation (15.30-15.45)

N. Kenar, A Akgul; Modelling of Distribution of Light to Optimization of Photodynamic Therapy (Pdt) of Cervix Cancer (15.45-16.00)

S. Sezer; On Space of Generalized Parabolic Bessel Potentials Associated with the Singular Heat Operator (16.00-16.15)

Coffee Break / Poster Sessions

(16.15-16.30)

Session VI, Miscellaneous (16:30-17:30)

Chairman(s):A.H.Siddqi, F. Dökmen

M. O. Alnak, Ç. Karakaya, A. S. Berkem, G. S. Bas; Modelling of the deformation of P / M super-alloys at elevated temperatures (16.30-16.45)

B. Ruzgar, H. Tarımcı; Classification of Commercial Banks in Turkey with Rough Set Theory (16.45-17.00)

T. Bilgili; Velocity Management in Logistics by Matrix Resolution (17.00-17.15)

G. Serbes, N. Aydın, Processing Complex Quadrature Signals Using Modified Complex Discrete Wavelet Transform(17.15-17.30)

Coffee break /Poster Sessions

(17.30-17.45)

Session VII Closing Session

17:45-18:45

Dinner (20.00-21.00)

POSTER PRESENTATIONS

5-6 June, 2009

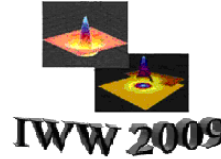
(10.00-17.30)

1. S. Sezer and Z. Eken; On Vague Fields And Vague Integral Domains
2. G. Tınaztepe; A sharper inequality related to arithmetic mean-geomtric mean inequality
3. N. Kenar and A. Akgül; Monte- Carlo Modelling Of Light Distribution In Human Uterus
4. N. Ünlü and M. Yeşilbağ, Performance Metrics for a Learning System in a Complex Computer Simulated Environment
5. N. Çağlar, A. Tokgözlü and Z. Aslan; Application of Wavelet in Analyses of Solar Radiation and Solar Energy Potential
6. M. Mandel and P. Alpert; Weather Dynamics In View Of Information Theory
7. M. Mandel and P. Alpert; Some Mathematical Aspects of The Weather Classification
8. V. Kazandjiev, N. Shopova, Y. Marinova; Meteorological and Agro-Meteorological Conditions During The Period 1971-2000 and Growth, Development and Productivity of Crops In Bulgaria
9. S. Tosun; Load Flow Analysis using Simulated Annealing Algorithm in Electric Power Systems
10. M. H. Altınözülü, N. İçer, Estimation of Hail Risk on a Village Basis in Crop Insurance.
11. B. Rüzgar, A. Akkaya; Examining Efficiencies of Private Pension companies in Turkey with Data envelopment Analysis

Sunday June 7, 2009

Tour

(It depends on the list of participant)



INTERNATIONAL WORKSHOP IV ON APPLICATIONS OF WAVELETS TO REAL WORLD PROBLEMS

05- 07th JUNE 2009

**KOCAELI UNIVERSITY
Kocaeli – Turkey**

