

**Third International Conference on the Applications of Digital Information and  
Web Technologies  
ICADIWT 2010 (July 12-14, 2010)**

**Conference Program**

**12.07.2010 Monday**

**09.00 - 09.30 Registration**

09.30 - 10.00 Opening Ceremony (Red Hall)

**10.00 - 10.30 Coffee Break**

**10.30 - 11.30 - Keynote - Nik Bessis - Emerging Computational Technologies for Advancing Virtual Organizations and Web Communities**

11.30 - 12.50 Sessions

<b>1 A - Neural and Wireless Networks (Red Hall)</b>	<b>1 B - Image Processing (Blue Hall)</b>
<p>11.30 -11.50 Aysegül Güven, Fatma Latifoğlu, Hayriye Hisar Principal Component Analysis- Neural Network Methodology for Parkinson Disease Detection</p> <p>11.50 – 12.10 Hojjat Ahmadi Prediction of Defects in Roller Bearings using Artificial Neural Network Classifier</p> <p>12.10 -12.30 Onur TOKER Delay Sensitive Wireless Protocols for Telerobotics Applications</p> <p>12.30-12.50 Hadi Mikaili Manie CAF: An Energy-aware Connection-based Routing Protocol for Wireless Sensor Networks</p>	<p>11.30 -11.50 Serdar YILMAZ, Metin SALDİHMUHSĐN Face Detection Using Template Face Mask</p> <p>11.50 – 12.10 Feryal I. Ha j Hassan, Salah Rahal Fingerprint Image Enhancement</p> <p>12.10 -12.30 Djamel Kehil, Aïssa Belmeguenai and Youcef Ferdi Image Encryption Using New Mersenne Number Transform and Discrete Cosine Transform</p> <p>12.30-12.50 Abdul Manan Ahmad, Sami M Halawani Accurate Hand Shape Detection Using Boosted Classifier</p> <p>12.50-13.10 Maryam Omidi Najafabadi A Hybrid course for Probability and Statistics for engineers: An ordinal factor analysis of e-readiness</p>

**12.50 - 14.00 Lunch**

14.00 - 16.00 – Sessions

<b>1 A - Neural and Wireless Networks (Contd.) (Red Hall)</b>	<b>2 A - Ontology/Semantics/ XML (Blue Hall)</b>
<p>14.00-14.20 Semra İçer, Aysegül Güven, Muhammet Baki Classification with the Neural Network Application of Basic Hearing Losses Determined by Audiometric Measuring</p> <p>14.20 -14.40 Hojjat Ahmadi Data mining based on statistical parameters to improve accuracy of fault classification of SAR-1 outboard fire pump by neural network</p> <p>14.40-15.00 Jamshid Bagherzadeh, Saeed Seyyedi A reward based method for wireless sensor network clustering</p>	<p>14.20-14.40 Tadeusz Pankowski Semantic aware matching and mapping for XML schemas</p> <p>14.40-15.00 Jalal Laassiri A Formal Semantics of Concepts in Information Language in ODP Systems</p> <p>15.00-15.20 Sofien KHEMAKHEM, Khalil DRIRA Ontology-based discovery and integration</p> <p>15.20-15.40 Nada Bajnaid, Rachid Benlamri, Boris Cogan Ontology-Based E-Learning System for SQA Compliant Software Development</p>

**16.00 - 16.20 Coffee Break**

16.20 - 17.20 Sessions

	<p><b>2 A- Ontology/Semantics/ XML (Blue Hall)</b></p> <p>15.40-16.00 Tetsuya SUZUKI, Kazuyuki HAYASHI Text Data Compression Ratio as a Text Attribute for a Language-Independent Text Art Extraction Method</p> <p><b>2 B Web Services</b></p> <p>16.20-16.40 Hamdi Yahyaoui, Mohammed Almulla Context-based Specification of Web Service Policies using WSPL</p> <p>16.40-17.00 Eljilani Mohammed WEB USAGE PATTERN EXTRACTION:A STUDY ON ONLINE DATABASE</p> <p>17.00-17.20 Saba Sarasvady An Objective methodology for clustering in Information Retrieval</p>
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**18.00 Conference Banquet**

**13.07.2010 Tuesday**

09.30-12:50 Parallel Sessions

<b>3 A - Computational Intelligence And Bioinformatics (Red Hall)</b>	<b>3 B Signal Processing (Blue Hall)</b>
<p>09.30-09.50 R Razali, Rosmadi A., C.Venkataseshaiah Improved Efficiency of Small IMDs by Intelligent Voltage/Current Control Using RBFNN</p> <p>09.50-10.10 Bagheri, Hojjat Ahmadi A Practical Approach for Fault Diagnosis of Electromotor of SAR-7 Hydraulic Pump by an Intelligent Combined Method Based on Data Mining and Improved Distance Evaluation</p> <p>10.10- 10.30 Saime Akdemir, Sadık Kara Vedat Bilgiç Investigation into the effects of Classical Turkish Music on galvanic skin response and skin temperature of schizophrenic patients</p> <p>10.50-11.10 Mohamed Soltane State of the Art Speech Biometrics Verification</p> <p>11.10-11.30 Kadir Tufan, Sadık Kara, Fatma Latifoğlu, Sinem Aydın, Adem Kırış, Ünsal Özkuvancı Comparison of ISD Type Stress Urinary Incontinence and Healthy</p> <p>11.30-11.50 Saleh Alzharani A Multilayered Electronic Health Record System generation</p>	<p>09.30-09.50 Youcef Ferdi Fractional Integration-Based Digital filter design for Peak Detection in Noisy Physiological Signals</p> <p>09.50-10.10 Mubarak Obaid AlQahtani, Ghulam Muhammad, and Yousef Ajami Alotaibi Environment Sound Recognition using Zero Crossing Features and MPEG-7</p> <p>10.10 -10.30 Fatih KOC, Ali DİNÇKAN, Hacı Ali MANTAR A Service Aware Handover Framework for Mobile Devices with Multiple Interfaces</p> <p>10.50-11.10 Ali Amiri Key-Frame Based Video Summarization Using QR- Decomposition</p> <p>11.10-11.30 Maryam Omid Najafabadi, Seyed Mehdi Mirdamadi Designing a Mobile Training System in rural areas, A case study in Iran</p>

10.30-10.50 Coffee break

	<b>4 A Workshop on Distributed Information and Applied Collaborative Technologies Chair: Nik Bessis (Red Hall)</b>
	<p>11.30-11.50 Tim French, Nik Bessis, Fiaz Hussain Crowd Sourced "Citizen Science" Urban Environmental Monitoring and Decision Making: Trust Issues (Risks) and Rewards</p> <p>11.50-12.10 Stelios Sotiriadis, Nik Bessis, Ye Huang, Paul Sant, Carsten Maple Towards decentralized grid agent models for continuous resource discovery of interoperable grid Virtual Organisations</p> <p>12.10-12.30 Ejaz Ahmed, Nik Bessis, Yong Yue Customizing Interactive Patient's Diagnosis User Interface</p> <p>12.30-12.50 Mehmet E. Aydin Collaboration of Heterogenous Metaheuristic Agents</p>

**12.50-14.00 Lunch (Katik Restaurant)**

14.00- 17.00 Sessions

15.20-15.40 Coffee Break

<b>5 A- Algorithms (Red Hall)</b>	<b>5 B – Databases and Requirements Engineering (Blue Hall)</b>
<p>14.00-14.20 Malihe Jahani, Bahram Sadeghi Bigham, Abbas Askari An Ant Colony Algorithm for the Minimum Weight Triangulation</p> <p>14.20-14.40 Hilda Tellioglu Forming a collaboration by using coordination design</p>	<p>14.00-14.20 Ahmad Mashhour A Discrete-Event Simulator Using Object Databases</p> <p>14.20-14.40 Tomas Nestorovic Agent-Based Dialogue Management Approach</p>

<p>14.40-15.00 Serdar Yarlikas Critical and Key Success Factors for Software Process Improvement</p> <p>15.00-15. 20 M.S. Hasan A Fuzzy Based Approach to Recognize Optical Bangla Digit</p> <p>15.40-16.00 I. O. Bucak A Comparative Study of Machine Learning Heuristic Algorithms to Solve the Traveling Salesman Problem</p> <p>16.20-16.40 Souad Amira-Biad An Analysis Study of a Quantisation Index Modulation based Informed</p>	<p>14.40-15.00 M.S. Hasan A Methodology for Successful Requirement Elicitation</p> <p>15.00-15. 20 Amel Boubendir, Allaoua Chaoui Towards a Generic Technique for Analysing Interactions Between Aspects at Requirement Phase</p> <p>15.40-16.00 Amani Al-Ali Use Case Patterns Driven Requirements Engineering</p> <p>16.20-16.40 Hamdi Yahyaoui, Mohammed Almulla On the Role of Data Mining in Automated Theorem Proving</p> <p>16.40-17.00 Abidalrahman Moh'd, Nauman Aslam, Hosein Marzi , LO"AI TAWALBEH Hardware Implementations of Secure Hashing Functions on FPGAs for WSNs</p>
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**17.00 - 17.30 Concluding Session (Red Hall)**

**14.07.2010 Wednesday**

09.00 - 12.30 City Tour to Istanbul Strait

13.00 -14.00 Lunch