

EUROPEAN UNIVERSITY OF LEFKE

“4th FAE INTERNATIONAL SYMPOSIUM CREATING THE FUTURE”

30TH NOV – 1ST DEC 2006

SYMPOSIUM FINAL PROGRAM

TIME:	30TH NOVEMBER 2006, THURSDAY	
10:00	OPENING CEREMONY	
11:00	KEYNOTE ADDRESS: RESEARCH AND DEVELOPMENT FUNDS FOR UNIVERSITY AND INDUSTRY by Prof. Dr. Hamit Serbest, Çukurova University	
12:00	LUNCH	
17:30	WELCOME COCKTAIL	
TECHNICAL SESSIONS		
Part 1: Architecture & Interior Architecture		
30TH NOVEMBER 2006, THURSDAY		
13:30	HALL: CL003	TECHNICAL SESSION: ARCH-I
13:30	Semih Eryıldız	ECOLOGICAL SETTLEMENT PRINCIPLES AND WORLD EXAMPLES
13:50	Ayça Tokuç Z. Ebru Yıldızber	CONVEYING DAYLIGHT INTO THE SPACES WITH LIGHTPIPES
14:10	Demet İrkli Eryıldız Waddah Ali Al Qadi	ECOLOGICAL DESIGN PRINCIPLES AND EXAMPLES
14:30	COFFEE BREAK	
15:10	HALL: CL003	TECHNICAL SESSION: ARCH-II
15:10	Cüneyt Elker Selin Karaibrahimoğlu	COMMON USE OF RESIDENTIAL BACKYARDS: A DISCUSSION ON PROBLEMS AND POTENTIALS
15:30	Ela Aral Selin Karaibrahimoğlu	REGENERATING APARTMENT HOUSING BACKYARDS FOR THE CITY
15:50	Hakan Sağlam	AESTHETICS AND SPATIAL QUALITIES IN NEW HOUSING SETTLEMENTS IN ANKARA
16:10	Vedat Çağanağa	SPACE STANDARDS AND FACTORS AFFECTING THEM IN NORTHERN CYPRUS
1ST DECEMBER 2006, FRIDAY		
10:00	HALL: CL003	TECHNICAL SESSION: ARCH-III
10:00	Kağan Günçe N. Ömer Saatcioğlu	THE POTENTIAL OF STRAW BALE BUILDINGS IN RURAL AREAS OF NORTHERN CYPRUS
10:20	Mehmet Under Munther Diyab Mohd	FUNDAMENTAL INVESTIGATION CONCERNING THE COLLAPSE OF ST. GEORGE OF THE LATINIS IN FAMAGUSTA
10:40	Didem Baş (Yanarateş)	MATERIAL DESTINATION AS SUSTAINABLE ARCHITECTURE IN DETAIL

11:00	COFFEE BREAK	
11:20	HALL: CL003	TECHNICAL SESSION: ARCH IV
11:20	Akın Sevinç	LIVING IN A MACHINE: A CITY GUIDE FOR THE MECHANICAL FANTASIES
11:40	Simge Esin	A MODEL FOR THE TRANSFORMED PUBLIC SPACE OF FUTURE CITIES: EXHIBITION STANDS
12:00	LUNCH	
13:30	HALL: CL003	TECHNICAL SESSION: ARCH V
13:30	Zehra Öngül	VOUNI PALACE AND ITS ARCHITECTURE
13:50	Özlem Atalan	TEOS ANTIQUE CITY AND TODAY
14:10	Rafooneh Mokhtarshahi Sani	TOWARD ISLAMIC ARCHITECTURE FUTURE
14:30	Yelda Durgun H. Metin Felekoğlu	THE ROLE OF GRADUATE PROGRAMS IN CONSERVATION OF CULTURAL HERITAGE IN TURKEY
14:50	COFFEE BREAK	
15:10	HALL: CL003	TECHNICAL SESSION: ARCH VI
15:10	Tülay Özdemir	THE EFFECT OF COLORS ON SPATIAL PERCEPTION
15:30	Faruk Yalçın Uğurlu	A DIFFERENT APPROACH FOR FURNITURE DESIGN

Part 2: Civil Engineering		
30TH NOVEMBER 2006, THURSDAY		
13:30	HALL: A 2	TECHNICAL SESSION: CE-I
13:30	Ferhat Aydın Mehmet Sarıbiyık	COMPRESSIVE STRENGTH OF VARIOUS AGES CONCRETES BY NON-DESTRUCTIVE TEST METHODS
13:50	V Nergiz O Arioğ F Karik A.R. Boga K Kilinc	ESTIMATING CONCRETE STRENGTH BY REBOUND HAMMER
14:10	S Tapkin O Arioğ M Tuncan A Tuncan K Ramyar	USE OF NEURAL NETWORKS FOR THE EVALUATION OF CONCRETE CORE STRENGTHS
14:30	Osman Ünal Tayfun Uygunoğlu Osman Gençel	AN INVESTIGATION ON PROPERTIES OF STEEL FIBER CONCRETES UNDER AXIAL LOAD
14:50	COFFEE BREAK	
15:10	HALL: A 2	TECHNICAL SESSION: CE-II
15:10	A. Necati Yelgin Savas Abak	EXAMINING THE BEHAVIOR OF COMPOSITE BEAMS WITH CONCRETE SLABS REINFORCED BY STEEL PLATES UNDER NEGATIVE MOMENT REGIONS
15:30	Sofiyev A H Veysov I. Avcar M Zerin Z	ANALYTICAL SOLUTION OF THE STABILITY PROBLEM OF ORTHOTROPIC CYLINDRICAL SHELLS UNDER LINEARLY INCREASING DYNAMIC AXIAL LOADING WITH VARIOUS INITIAL CONDITIONS
15:50	Metin Mevlüt Uzunoglu Mehmet Sarıbiyık	PHYSICAL AND MECHANICAL PROPERTIES OF CONCRETE IN COLLAPSED BUILDINGS DURING THE 1999 DUZCE EARTHQUAKE
16:10	Semih Küçükarslan	AN EFFICIENT DYNAMIC ANALYSIS OF DAM-RESERVOIR-FOUNDATION INTERACTION PROBLEM

16:30	Mehmet Sarıbiyık Kemalettin Yılmaz	BENDING ANALYSIS OF A BONDED CONNECTOR FOR PULTRUDED GRP BOX SECTION
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10:00	HALL: A 3	TECHNICAL SESSION: CE-III-a
10:00	O Arioz M Tuncan K Kilinc A Tuncan K Ramyar I Cil	PROPERTIES OF POLYPROPYLENE-FIBRE-REINFORCED CONCRETES
10:20	Cahit Gürer Hüseyin Akbulut Sedat Çetin	HIGH STRENGTH CONCRETE AND MATERIAL PROPERTIES
10:40	Özgür Eren Khaled Marar Tahir Çelik	NATURAL BUILDING CUT STONES OF NORTH CYPRUS: MELUŞA AND KARPAZ STONES
10:00	HALL: A 2	TECHNICAL SESSION: CE-III-b
10:00	Ibrahim Yüksel Mehmet Sandalcı Ahmet Apay	DEVELOPMENT OF SMALL HYDROPOWER AS A SUSTAINABLE ENERGY TECHNOLOGY
10:20	Ali Günyaktı Erdal Aksugur Hasan A. Bıçak Mehmet Zafer	A PROPOSAL FOR MARINA DEVELOPMENT IN LEFKE COASTAL AREA
10:40	Ali Günyaktı Erkan Özdemir	THE RENEWABLE ENERGY AND HYDROPOWER POTENTIAL OF TURKEY
11:00	COFFEE BREAK	
11:20	HALL: A 3	TECHNICAL SESSION: CE-IV-a
11:20	Hakan Yalçınır Gözde B.Ö. Barlak İbrahim Yitmen	MANAGING LESSONS LEARNED IN CONSTRUCTION INDUSTRY
11:40	Amir Aref Adib Abdulrezak Mohamed	APPLYING QUALITY IMPROVEMENT TECHNIQUES IN SITE PREPARATION IN GAS REFINERY IN SOUTH PARTS OF IRAN
11:20	HALL: A 2	TECHNICAL SESSION: CE-IV-b
11:20	Umut Türker	LONGSHORE SEDIMENT TRANSPORT ESTIMATES AT ALAKADI BEACH
11:40	Gözen Elkıran	CLARIFICATION OF ANNUAL WATER EXTRACTIONS AND CONSEQUENT DEFICIENCIES IN THE AQUIFERS OF TRNC IN 2003
14:50	LUNCH	
13:30	HALL: A 3	TECHNICAL SESSION: CE-V-a
13:30	Umut Topal	WEIGHT MINIMIZATION OF LAMINATED COMPOSITE PLATE WITH DEFLECTION CONSTRAINT
13:50	Harun Tanyıldızı Ahmet Coşkun	THE EFFECT OF MINERAL ADMIXTURES AND HIGH TEMPERATURE ON COMPRESSIVE AND SPLITTING TENSILE STRENGTH OF LIGHTWEIGHT CONCRETE
14:10	Umut Topal	Buckling Analysis Of Simply Supported Laminated Composite Plates Under Uniaxial Compression Load
14:30	Sami Arsoy Şerafettin Vural	CORRELATIONS BETWEEN SURFACE GEOPHYSICAL AND CLASSICAL GEOTECHNICAL MEASUREMENTS
14:50	COFFEE BREAK	
15:10	Umut Topal	FREE VIBRATION ANALYSIS OF LAMINATED PLATES USING THE CLASSICAL LAMINATED PLATE THEORY

15:30	Gözde İnan Sezer Alper Sezer Şemsi Yazıcı	EVALUATION OF THE FLAKINESS AND ELONGATION OF AGGREGATES USING DIGITAL IMAGE PROCESSING
15:50	Selim Altun Alper Sezer	COMPACTION CHARACTERISTICS OF POOR AND WELL GRADED CLEAN SANDS
16:10	Şemsi Yazıcı Gözde İnan Sezer	EFFECT OF AGGREGATE MAXIMUM SIZE AND STEEL FIBER CONTENT ON THE MECHANICAL PROPERTIES OF CONCRETE
16:30	M I Onur M Tuncan O Arioç A Tuncan	BENEFITS OBTAINED BY USING LIGHTWEIGHT CONCRETE IN CONSTRUCTION
13:30	HALL: A 2	TECHNICAL SESSION: CE-V-b
13:30	Youness Sharifi Mustafa Ergil	WIND INTENSITIES AND BLOWING DIRECTIONS FREQUENCIES IN TRNC
13:50	Gözen Elkıran	SUSTAINABILITY OF AGRICULTURAL IRRIGATION, AN ALTERNATIVE APPROACH FOR THE FUTURE EVALUATION: A CASE STUDY-TRNC
14:10	Taner Kavas Gökhan Görhan	STUDY ON PHYSICAL AND MECHANICAL PROPERTIES OF CEMENT WITH MUSCOVITE
14:30	Yılmaz İçağa Şaban Yurteu	EARTHQUAKE RISK ASSESSMENT OF BUILDINGS USING FUZZY LOGIC
14:50	COFFEE BREAK	

Part 3: Computer Science and Engineering

30TH NOVEMBER 2006, THURSDAY

13:30	HALL: CL001	TECHNICAL SESSION: COMP-I
13:30	Minj Purevdagva Yonca Bayrakdar Aylin Kantarci	PERFORMANCE EVALUATION OF H.264/AVC ERROR RESILIENCE METHODS BASED ON INTRA CODING
13:50	Haluk Eren Ümit Çelik Ö. Ahmet Atay	MEDICAL IMAGE SEGMENTATION USING SEMIAUTOMATIC METHODS: EXPERIMENTAL ANALYSIS OF TIBIAL TUNNEL ENLARGEMENT
14:10	Oussama Mustapha Mohamad Khalil Ghaleb Hoblos Houcine Chafouk Hayssam Ziadeh Dimitri Lefebvre	ON-LINE CHANGE DETECTION BY USING FILTERS BANK/WAVELET TRANSFORM AND DYNAMIC CUMULATIVE SUM METHOD
14:30	Mehdi Zarei Fariborz Mahmoodi	AGENT COMMUNICATION WITH CELLULAR NEURAL NETWORKS
14:50	COFFEE BREAK	
15:10	HALL: CL001	TECHNICAL SESSION: COMP-II
15:30	Alireza Jomeiry Abolfazl	SECURITY IN DISTRIBUTED FILE SYSTEMS

15:50	Babak Khosravifar Amirhasan Amintabar	REDUCING THE FALSE ALARM RATE OF NETWORK ATTACKS WITH THE USE OF HONEY POTS TOGETHER WITH AGENT-BASED INTRUSION DETECTION SYSTEM
16:10	Erden Basar Muhammed Salamah Mehmet Kizildag	PERFORMANCE ANALYSIS AND TRACKING OF MOBILE NODES IN LOCATION SENSING WIRELESS NETWORKS
16:30	Cemal Yılmaz	A STUDY ABOUT THE APPLICABILITY AND PERFORMANCE OF FUZZY LOGIC CONTROL AT PROFIBUS BASED NETWORK STRUCTURES
13:30	HALL: CL002	TECHNICAL SESSION: COMP-III
13:30	Kaan Uyar Ümit İlhan	A COMPARISON OF COMPUTER ENGINEERING CURRICULA OF THE CYPRUS ISLAND UNIVERSITIES
13:50	Ilham N. Huseynov	SOFTWARE AGENTS FOR WEB-BASED INTELLIGENT LEARNING ENVIRONMENTS
14:10	MohammadReza EffatParvar Akbar Bemana Mehdi EffatParvar	IMPROVEMENT OF ELECTION ALGORITHM IN DISTRIBUTED SYSTEMS BASE ON RING ALGORITHM
14:30	Mehdi EffatParvar MohammadReza EffatParvar Akbar Bemana	BULLY ELECTION ALGOROITHM İMPROVEMENT WHIT NEW METHODS AND FAUL TOLERANT MECHANISM
14:50	COFFEE BREAK	
15:10	HALL: CL002	TECHNICAL SESSION: COMP-IV
15:30	T. Tugay Bilgin	EFFICIENT TECHNIQUES FOR VISUAL CLUSTERING OF HIGH DIMENSIONAL DATA
15:50	Haluk Eren Ümit Çelik Mustafa Poyraz	AFFORDABLE COST EFFECTIVE VISION SYSTEMS FOR COMPUTER VISION APPLICATIONS: EXPERIMENTAL COMPARISONS
16:10	Mustafa İlkan Aytaç Çerkez Fuat Egelioglu Alper Doğanalp	OPTIMIZED SEARCH TECHNIQUES FOR ONLINE RENEWABLE ENERGY EDUCATION USING THE WORLD WIDE WEB
16:30	Haluk Eren Ümit Çelik Mustafa Poyraz	SOFTWARE DEVELOPMENT TOOLS IN COMPUTER VISION: AN EXPERIMENTAL OVERVIEW TO OPENCV

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10:00	HALL: CL001	TECHNICAL SESSION: COMP V
10:00	Emrah Ahi Ali Alagöz Öznur Özkasap	IMPROVING EPIDEMIC INFORMATION DISSEMINATION: NETWORK AWARENESS AND EFFICIENT BUFFERING

10:20	Refai Mohd Naim M. Ajlouni	A NEW LEADER ELECTION ALGORITHM IN HYPERCUBE NETWORK
10:40	Hami Öz	E-LEARNING AND ITS IMPLEMENTATIONS AND PROBLEMS IN TURKEY
11:00	COFFEE BREAK	
11:20	HALL: CL001	TECHNICAL SESSION: COMP VI
11:20	Haluk Eren Ümit Çelik Ö. Ahmet Atay	EXPERIMENTAL INVESTIGATION ON ACCURACY OF CAMERA CALIBRATION PERFORMED BY STANDARD WEBCAMS
11:40	Erhan Gayde Atilla Elçi	OASF: ONTOLOGY APPROPRIATENESS SCORE FINDER
12:00	LUNCH	
	HALL: CL001	TECHNICAL SESSION: COMP VII
13:30	Haluk Eren Ümit Çelik Ö. Ahmet Atay	ANALYSIS OF EFFECTIVE FACE DETECTION ALGORITHMS: EXPERIMENTAL EVALUATIONS USING LOW COST CAMERAS
13:50	Atilla Elçi Behnam Rahmana	APPLYING SEMANTIC WEB IN ENGINEERING A MODULAR ARCHITECTURE FOR DESIGN AND IMPLEMENTATION OF A COOPERATIVE LABYRINTH DISCOVERY ROBOT
14:10	Dogan Ibrahim	DESIGN OF A MICROCONTROLLER BASED GPS DATA LOGGER SYSTEM
14:30	Ali Abu Ghanimeh Samer Abu-Ghazalah	THE USE OF COMPUTERS IN ARCHITECTURAL RESEARCH AND PRACTICE IN JORDAN
14:50	COFFEE BREAK	
15:10	HALL: CL001	TECHNICAL SESSION: COMP-VIII
15:30	Hamed Farahani Manesh	DEVELOPMENT OF WEB BASED REMOTE CONTROL OF THE SMALL MANUFACTURING EXECUTION SYSTEM PROCESS
15:50	Moudar Zgoul	USE OF COMPUTERS IN VIRTUAL TESTING- MECHANICAL TESTING OF ADHESIVE MATERIALS
16:10	Nadire Cavus Huseyin Uzunboyulu Dogan Ibrahim	USING THE MOODLE LEARNING MANAGEMENT SYSTEM AND GREWPTOOL COLLABORATIVE TOOL FOR TEACHING A PROGRAMMING LANGUAGE
16:30	Alireza Jomeiry	PERFORMANCE EVALUATION OF SUPERCOMPUTERS WITH EXAMPLES
16:50	Ragheb Toemeh S.Arumugam	REDUCING TIME SEARCH FOR THE CRYPTANALYSIS OF VIGENERE CIPHER WITH THE USE OF GENETIC ALGORITHM

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10:00	HALL: CL002	TECHNICAL SESSION: COMP IX
10:00	Haluk Eren Ümit Çelik Mustafa Poyraz	FACTORS AFFECTED ON THE PERFORMANCE OF STEREO VISION AND KEY ASPECTS

10:20	M. Ali Akçayol Ilker Bay Alper Doğru Mehmet Şimşek Sinan Toklu	GENETIC ALGORITHM BASED LOCATION OPTIMIZATION OF EMERGENCY SERVICE UNITS
10:40	Tuncay Yiğit	SCHOOL WEEKLY COURSES TIMETABLE USING GENETIC ALGORITHMS
11:00	COFFEE BREAK	
11:20	HALL: CL002	TECHNICAL SESSION: COMP X
11:20	Nilcan Çiftçi Akın Cellatoğlu	ACTIVE LEARNING WITH MOBILE LEARNING TECHNOLOGIES
11:40	Eren Küren Akın Cellatoğlu	OBJECT BASED E-LEARNING
12:00	LUNCH	
13:30	HALL: CL002	TECHNICAL SESSION: COMP XI
13:30	Feride Savaroğlu Akın Cellatoğlu	STRATEGIES OF PARALEL PROGRAMMING
13:50	C. Umarani S. Radhakrishnan	ASSOCIATION RULES BASED OPTIMUM PREDICTOR BASED ON DATA MINING ANALYSIS WITH PASSPORT APPLICATION DATA
14:10	K. G.Srinivasagan L.Ganesan S. Arumugam	HMM BASED TAMIL HANDWRITTEN CHARACTER RECOGNITION
14:30	Ali Abu Ghanimeh Samer Abu-Ghazalah	THE USE OF COMPUTERS IN ARCHITECTURAL RESEARCH AND PRACTICE IN JORDAN
14:50	COFFEE BREAK	
15:10	HALL: CL002	TECHNICAL SESSION: COMP-XII
15:30	S.Uma D. Prema S. Annadurai	NOISE REMOVAL TECHNIQUE USING SELF ORGANISING MAP
15:50	V. S.Jayanthi Raveendran Gopu A. Shanmugam	EMBEDDED IMAGE CODING BASED ON CONTOURLET TRANSFORM
16:10	K. G. Srinivasagan L. Ganesan S. Arumugam	TAMIL HANDWRITTEN WORD RECOGNITION USING FUZZY VALUES
16:30	Padmavathi Ganapathi Annadurai S	SECURE MULTICAST KEY DISTRIBUTION FOR MULTIHOP WIRELESS ADHOC NETWORKS
16:50	Radhika N	PERFORMANCE EVALUATION OF ROUTING PROTOCOL ON ADHOC SMART SPACES

Part 4: Electrical and Electronics Engineering

30TH NOVEMBER 2006, THURSDAY

13:30	HALL: A 1	TECHNICAL SESSION: EE-I
13:30	Lina El Khansa Amine Nait Ali Mohamad Khalil	ECG BEAT SIMULATION METHOD BASED ON GAUSSIAN AND NON GAUSSIAN KERNEL MODELS
13:50	Cemal Yılmaz Nihat Döngel	IMPLEMENTATION OF CONTROLLED SYSTEM IN THE BUILDING AUTOMATION WITH GSM
14:10	Karen Hywel-Kabaran Ebrahim Soujeri	TELECOMMUNICATIONS IN CYPRUS: PAST, PRESENT AND FUTURE
14:30	Korhan Kayışlı Servet Tuncer Mustafa Poyraz	HYSTERESIS CONTROL OF A BOOST PFC CONVERTER CIRCUIT
14:50	COFFEE BREAK	
15:10	HALL: A 1	TECHNICAL SESSION: EE-II
15:10	Mehmet Fatih Işık Cemal Yılmaz	REMOTE CONTROLLING OF DC SERVO MOTOR BY WAY OF PROFIBUS-DP NETWORK
15:30	Sami Ekici Selcuk Yıldırım Mustafa Poyraz	LOCATING GROUND FAULT ON TRANSMISSION LINES BY USING NEURAL NETWORK AND WAVELET PACKET DECOMPOSITION
15:50	Sayed Ali Mousavi Majid Hashemipour	DESIGN OF AUTOMATED FRUITS SORTING SYSTEM CONTROLLED BY FUZZY CONTROLLER
16:10	Rahib Abiyev	NEURAL NETWORK BASED TYPE-2 FUZZY SYSTEM FOR IDENTIFICATION AND CONTROL OF DYNAMIC PLANT

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10:00	HALL: A 1	TECHNICAL SESSION: EE-III
10:00	Ferhun Yorgancıoğlu Hasan Kömürçügil	FUZZY SLIDING-MODE CONTROL FOR SECOND-ORDER NONLINEAR SYSTEMS
10:20	K. P. Mohandas	SIMULATION OF INVERTED PENDULUM USING NEURAL NETWORKS FOR IDENTIFICATION
10:40	Mustafa Ilkan Alper Doğanalp Fuat Egelioglu	WIND ENERGY POTENTIAL in N. CYPRUS ECONOMICAL CONSIDERATIONS
11:00	COFFEE BREAK	
11:20	HALL: A 1	TECHNICAL SESSION: EE-IV
11:20	Koray Şener Parlak	DISTRIBUTED UPS SYSTEMS
11:40	Mustafa Özcan Ferdı Boynak	PERFORMANCE EVALUATION OF A B-TYPE THERMOCOUPLE
12:00	LUNCH	
13:30	HALL: A 1	TECHNICAL SESSION: EE-V
13:30	Manuel Carcenac Shima Izadpanahi Muhammad Reza Fatemi	PRYMIDIAL QUADTREE APPROACH TO SUPER RESOLUTION
13:50	Shima Izadpanahi Muhammad Reza Fatemi	SUPER RESOLUTION APPLICATION TO ENHANCE THE QUALITY OF PICTURES TAKEN BY MOBILE PHONES
14:10	K. Balasubramanian	HARMONIC SHAPING OF ACOUSTIC WAVES FOR SYNTHESIZING MUSICAL INSTRUMENTS