ERASMUS INTENSIVE PROGRAMMES 2012-1-TR1-ERA10-36810

17-28 September 2012 Alanya - Antalya - TURKEY

PROGRAMME

16 September 2012 Sunday
09:30-20:30 Arrivals of participants and On-desk Registration
17 September 2012 Monday
08:00-12:00 On-desk Registration

Opening Session

09:00 - 09:10	"A starting talk for EWRES 2012", **Assoc. Prof. Dr. Erol Kurt (Head of the organizing committee, ERAMUS IP Coordinator)**
09:10 - 09:20	**Mr. Atilla Gürbüz, Vice-Director of Renewable Energy General Directorate, Republic of Turkey Ministry of Energy and Natural Resources**

Invited Talk Session 1
Chairman: Assoc. Prof. Dr. Erol Kurt

09:20-09:45	Renewable energy activities and strategies of TUBITAK and TUBAV	**Fatih M. Şahin** (Turkish Science Research Foundation – TUBAV, The Science and Technological Research Council of Turkey-TUBITAK)

Short Talk Session 1 "Energy - environment relations"
Chairman: Assoc. Prof. Dr. Ramazan Bayındır

09:45-10:00	Characterization of fruit juice processing wastes as biosorbent for heavy metal removal	Gökçen Akgül, Turgay Tekinay (Turkey)
10:00-10:15	Effect of windows and artificial lighting on the energy performance of educational facilities in Thrace region of Turkey	İzzet Yüksek, Bahtiyar Dursun, Süreyya Kocabey, Sertaç Görgülü, Murat Tuna (Turkey)
10:15-10:30	Experimental investigation of performance of a ground coupled heat pump system for space heating in Gaziantep, Turkey	Ahmed Saadallah Salman, Recep Yumrutaş (Turkey)
10:30-10:45	Full scale experimental studies of a passive cooling roof in hot arid areas	H. Bencheikh, (Algeria)
10:45-11:00	Financial investigation of using solar-powered led for park lighting in Iran	Hamid Mortezapour, Barat Ghobadian, Abolfazl Abbaspour (Iran)
11:00-11:15	Experimental analysis of a new type solar energy dryer	Seyfi Şevik, Mustafa Aktaş, Serhat Karyeyen (Turkey)

11:15-11:30 Coffee Break

Short Talk Session 2 "Wind energy applications"
Chairman: Assoc. Prof. Dr. Sany Izan Ihsan

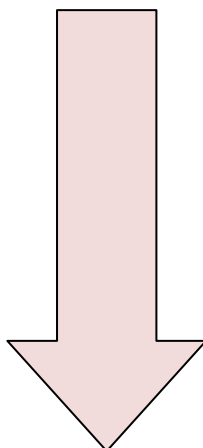| 11:30-11:45	An air conditioning system providing cooling, water heating and drying	Sany Izan Ihsan, M N A Hawlader, Firdaus Yunus, M. Irfan I. Mudzrin (Malaysia)
11:45-12:00	Prediction of reliability's indicators in wind power plants usingwind repeated patterns	Hamid Reza Feili, Mahdi Minakhani, Habib Allah Kaveh, Vahid Amiri (Iran)
12:00-12:15	Performance analyses of windsim and wasp models to estimate wind energy potential in Soma/Turkey	Serhan Yesilkoy, Cigdem Aktar, Ozgun Inceoglu, Sibel Menteş, Elcin Tan, Yurdanur Unal, Bahtiyar Efe, Umut Basar, Emel Unal (Turkey)
12:15-12:30	Short term wind power forecast in Manisa, Turkey by using the WRF model coupled to a CFD model	Sibel Mentes, Elcin Tan, Tuncay Ozdemir, Emel Unal, Yurdanur Unal, Bahtiyar Efe, Burak Barutçu, Evren Oner, Kerem Anbarci, Baris Onol, Selahattin Incecik, Yunus

		Borhan (Turkey)
12:30-13:45 LUNCH		

Short Talk Session 3 "Biodiesel systems"
Chairman: Prof. Dr. Sema Topcu

13:45-14:00	Optimization of ultrasonic reactor geometry for biodiesel production using response surface methodology	B. Mostafaei, B. Ghobadian, M. Barzegar, A. Banakar, E. Fayyazi (Iran)
14:00-14:15	Development of a lab-scale methane potential test unit for anaerobic digestion of particulate matter	Emrah Onursal, Kamil Ekinci, Ahmet Süslü, Selim Uygun, Mustafa Acar (Turkey)
14:15-14:30	Potential of renewable energies generation from organic waste in Algeria	Igoud Sadek, Souahi Fatiha, Sebti Aïcha, Mansouri Noura and Chouikh Amar (Algeria)
14:30-14:45	Biodiesel production potential from indigenous plant sources in Tehran province using GIS software	Sepideh Abedi, Ahmad Hajinezhad, Barat Ghobadian (Iran)
14:45-15:00	Prospective use of the salt tolerant wild rape native to Jordan in biodiesel production	Moh`d K. Al-Rifaee, Luna Al-Hadede, Ayman Hamodeh, Adeb Abuobied, Hussien Saleh, Ibrahim Al-Bashabsheh, Doa`a Al-Majale (Jordan)
15:00-15:15	Biodiesel from Microalgae: A Renewable Energy Source	Meltem Conk Dalay, S.Seda Güneş (Turkey)
15:15-15:30 Coffee Break		

Short Talk Session 4 "Solar Energy Applications"
Chairman: Prof. Dr. Fawzi M. Al-Naima

15:30-15:45	Towards sustainable power supply system in Nigeria – Utilising photovoltaic mini-grids for national development	Idris M. Bugaje (Nigeria)
15:45-16:00	A combined power and heat generation system powered by solar energy	Jianzhong Song, Xiaosong Zhang, Qikuang Yao, Can Yang, Guoying Xu (China)
16:00-16:15	An integrated solar thermal and photovoltaic system	M N A Hawlader, Sany Izan Ihsan, Deepu Joseph, N Munira Hamid, Wira E. A. Wasil (Malaysia)
16:15-16:30	Study of heat transfer by low-velocity forced convection of parabolic dish solar cylindrical receiver	Shiva Gorjian, Teymour Tavakkoli Hashjin, Barat Ghobadian, Ahmad Banakar (Iran)
16:30-16:45	Design of a control and data acquisition system for a multi-mode solar tracking farm	Fawzi M. Al-Naima, Ramzy S. Ali, Ahmed J. Abid (Iraq)
16:45-17:00	Application of thermal battery in solar refrigerator	Emrah Salman, Tolga Apaydın, Çağdaş Çırpan, Sabahattin Hocaoğlu (Turkey)
17:00-17:15	An investigation of the absorption edge of CdS thin films prepared by thermal evaporation	Shadia J. Ikhmayies (Jordan)
17:15-17:30	Natural cooling by Canadien Well of a rural bioclimatic house situated in Souidania, Algiers	Limam Amel, Chenak Abdelkrim (Algeria)
17:30-18:00 Poster Session Evaluation by International Scientific Committee		

19:30   WELCOME COCKTAIL

18 September 2012 Tuesday

Invited Talk Session 2
Chairman: Assoc. Prof. Dr. Erol Kurt

09:00-09:30	State estimator design for a linear 2-body point absorber wave energy converter	**Prof. Dr. Mario E. Magaña** (USA)

Short Talk Session 5 "Applications on Biomass Energy"
Chairman: Assoc. Prof. Dr. Çiğdem Yangın Gömeç

09:30-09:45	Changes in performance and active microbial communities due to single and multiple effects of mixing and solid content in anaerobic digestion process of OTC medicated cattle manur	Gokhan Turker, Orhan Ince, Emine Ertekin, Cagri Akyol, Bahar Ince
09:45-10:00	Investigating of rheological properties of bituminous binder modified with biomass waste materials liquefied by pyrolysis method	Osman Nuri Çelik, Neslihan Atasağun (Turkey)
10:00-10:15	Simulation and study of methanol recovery process in biodiesel production	Azadeh Emamgholivand, Barat Ghobadian, Ahmad Abbaszadeh (Iran)

10:15-10:30	Optimization of biodiesel production parameters by ultrasonic from Iranian variety of castor oil	Zahra Safaei, Boyuk Mostafaei, Barat Ghobadian, Abdolsamad Zarringhalam Moghadam (Iran)
10:30-10:45	Biogas recovery approaches to different types of animal manure with co-substrate addition	Cigdem Yangin-Gomec, Izzet Ozturk (Turkey)

10:45-11:00 Coffee Break

Short Talk Session 6   "Explorations on Engines and Drives"
Chairman: Prof. Dr. Barat Ghobadian

11:00-11:15	Investigating the power, torque and specific fuel consumption of a MF-399 tractor fuelled by pure diesel and diesel-biodiesel-bioethanol blends	Seyed Reza Hassan-beygi, Vahideh Istan, Barat Ghobadian, Mohammad Aboonajmi, Abolfazl Johar (Iran)
11:15-11:30	MF399 Tractor Engine Performance Using Diesohol Fuel	Behdad Shadidi, Hossein Haji Agha Alizadeh, Barat Ghobadian, Talal Yusaf (Iran)
11:30-11:45	Diesel Engine Environmental Pollution Reduction Using Diesohol Fuel	Behdad Shadidi, Talal Yusaf, Barat Ghobadian, Hossein Haji Agha Alizadeh (Iran)
11:45-12:00	Rotor flux oriented control of a six phase induction motor feed by six voltage source inverter	T. Bahi, S. Lekhchine, Y. Soufi (Algeria)
12:00-12:15	Genetic programming approach to predict brake power and torque in SI engine using ethanol- gasoline blends	Mostafa Kiani Deh Kiani, Fathollah Ommi, Barat Ghobadian, Gholamhassan Najafi, Talal Yusaf (Iran)
12:15-12:30	Variable speed control of a doubly fed induction motor	Soufi Youcef, Bahi Tahar, Lekhchine Salima (Turkey)

12:30-13:45   CONFERENCE PHOTO and LUNCH

Short Talk Session 7   "Modeling of Energy Systems"
Chairman: Assoc. Prof. Dr. Ramazan Bayindir

13:45-14:00	Theoretical study on a solar powered humidification-dehumidification (HDH) desalination system	Cihan Yıldırım, İsmail Solmuş (Turkey)
14:00-14:15	Analyzing the vibration of a power tiller fuelled by diesel and biodiesel blends in time domain	Seyed Reza Hassan-beygi, Bahareh Heidary, Barat Ghobadian (Iran)
14:15-14:30	Numerical analysis of entropy generation at the entrance of a channel	Bahadır Doğan, L. Berrin Erbay (Turkey)
14:30-14:45	Heat transfer enhancement in solar collector numerical and simulation study of roughened absorber	Amel Boulemtafes-Boukadoum, Ahmed Benzaoui (Algeria)
14:45-15:00	Intelligent induction motor control based on an adaptive wavelet network	Barazane. L, Amamra. S, Khwaldeh. A, Boucherit. M.S
15:00-15:15	The best location for offshore wind farm and effective parameters on it	Salman Shahvali, Ramin Hosseinalizadeh, Mohamad Tavakoli Ziaratgahi (Iran)
15:15-15:30	Development of MATLAB/GUI based analysis tool for wind turbine	Ramazan Bayindir, Ersan Kabalci, Gökhan Keven, Celal Can

15:30-15:45 Coffee Break

Short Talk Session 8   "Numerical solutions to complex energy systems"
Chairman: Prof. Dr. Hamid Reza Feili

15:45-16:00	A theoretical approach for the thermodynamic analysis of absorption refrigeration systems through a case study	Melda Özdinç Çarpınlıoğlu, Emrah Özahi, Hewa Kareem (Turkey)
16:00-16:15	Exergoeconomic Analysis of Hydrogen Production by PEM Electrolysis Powered by Geothermal Energy	Ceyhun Yılmaz*, Mehmet Kanoğlu*, Ali Osman Arslan (Turkey)
16:15-16:30	High power conversion efficiency in APEX hybrid reactor system	Aybaba Hançerlioğulları (Turkey)
16:30-16:45	Leaning of distribution systems of electricity production networks by mathematical programming renewable energy power plants	Hamid Reza Feili, Mohsen Momeni Tabar, Mohammad Dehghani Mazhvani,Danial Zaghi (Iran)
16:45-17:00	Determining of solar energy potential and land selection by geographic information system (GIS)	İsmail Mutaf, Çetin Cömert (Turkey)
17:00-17:15	Simulation and optimization of a solar driven air conditioning system with arena simulation software	Hamid Reza Feili, Parisa Naderipour , Fatemeh Moghadasi (Iran)

17:15-18:00	Poster Session Evaluation by International Scientific Comittee

19:30 EWRES DINNER and PHOTO (with Turkish music)

19 September 2012 Wednesday

Invited Talk Session 3

Chairman: Prof. Dr. Sümer ŞAHİN

09:00-09:30	A brief review of biodiesel R&D activities at TMU bioenergy research laboratories	Assoc. Prof. Dr. Barat Ghobadian (Iran)

Short Talk Session 9   "Electrical components for energy systems"

Chairman: Assoc. Prof. Dr. Youcef Soufi

09:30-09:45	Three-phase three-level grid interactive inverter with fuzzy logic based MPPT controller	Necmi ALTIN, Şaban ÖZDEMİR (Turkey)
09:45-10:00	Primary paralleled isolated boost converter with extended operating voltage range	Juan C. Hernandez B.,Gokhan Sen, Maria C. Mira A., Ole C. Thomsen, Michael A. E. Andersen (Denmark)
10:00-10:15	Direct space vector pwm control of a single stage grid connected pv inverter based on line-to-line voltages representation	F. Akel, M. Laour, T. Ghennam, D. Bendhib, A. Mahrane (Algeria)
10:15-10:30	An unbalanced load flow analysis tool for inverter interfaced distributed generation networks	Bülent Dağ, M. Timur Aydemir, Mohamed S. Smiai (Turkey)
10:30-10:45	Application of the photovoltaic source to feeding a multi-level inverter applied to induction machine	Djebbar Mohamed Salah, Soufi Youcef, Benalla Hocine (Algeria)

10:45-11:00 Coffee Break		

Short Talk Session 10   "Energy modeling studies"

Chairman: Dr. Abdullrahman H. Maghrabi

11:00-11:15	Simulation of ethanol dehydration using molecular sieve by artificial neural network application	S. Karimi, B. Ghobadian (Iran)
11:15-11:30	Integration of the eccentricity effect in the field computation of reluctance machine	Mohammedi Moufid, Bahi Tahar, Soufi Youcef, S. Ghoudelbourek (Algeria)
11:30-11:45	Modelling of the photovoltaic system using the present state simulation models	A. Gherbi Djoudi, A. Hadj Arab, B. Amrouche (Algeria)
11:45-12:00	Application of a new heuristic algorithm for DG placement for minimum loss in radial distribution system	Sara Molazei (Iran)
12:00-12:15	Study and comparison of several maximum power point tracking algorithms	Badia Amrouche (Algeria)
12:15-12:30	Comparison of dry and wet cooling: An applied research on a solar thermal power plant	Eray Timur, Musbaudeen Bamgbopa, Eray Uzgören (Turkey)

12:30-13:45 LUNCH		

Short Talk Session 11   "Explorations on turbines"

Chairman: Dr. Yousef Yassi

13:45-14:00	Thermodynamic Analysis of Gas Turbine – Solid Oxide Fuel Cell (GT-SOFC) Aircraft Auxiliary Power Unit (APU)	Fatih Tunca, Serdar Dalkılıç (Turkey)
14:00-14:15	Flow-driven simulations for anlyzing operating characteristics of horizontal and vertical axis tidal turbines	Tuyen Quang Le, Kwang-Soo Lee, Jin Hwan Ko, Hoon Cheol Park (Korea)
14:15-14:30	Diagnosis of mechanical fault of a wind turbine based on a double-fed asynchronous machine	Hichem Merabet, Bahi Tahar, Youcef Soufi (Algeria)
14:30-14:45	Assessment of emerging faults in wind turbine power transformers using the S transform	Francisco Martin, Olga Duran, Jose A. Aguado (Spain)
14:45-15:00	Efficiency analyses of a cross flow turbine using slide valve by computational fluid dynamics	Alaattin Metin Kaya, İlyas Kandemir (Turkey)
15:00-15:15	Optimization renewable energy by wind turbine or battery using fuzzy logic controller	Hamid Reza Feili, Vahid Amiri, Aidin Zojaji Kohan, Mahdi Minakhani (Iran)
15:15-15:30	Experimental study of the operating conditions of a modified micro hydro	Yousef Yassi (Iran)

15:30-15:45 Coffee Break		

Short Talk Session 12   "Energy Efficiency Issues"
Chairman: Assoc. Prof. Dr. Yurdanur Ünal

15:45-16:00	A critical review of liquid biofuel industry development barriers from socio-economic and technical-environmental view points	Parvaneh Salahshouri, Barat Ghobadian (Iran)
16:00-16:15	Supramolecular Perylene Bisimide Dye with Excellent Photochemical and Thermal Properties	Abimbola O. Aleshinloye, Jagadeesh Bodapati and Huriye Ici (Northen Cyprus)
16:15-16:30	Evaluation of environmental benefits of the energy produced from biomass: Burdur area example	Nilay Akdeniz, Mustafa Acar, İbrahim Üçgül (Turkey)
16:30-16:45	Natural dye photosensitizers / solid state electrolyte junction for DSSC application	Souad A. M. Al-Bat'hi, Iraj Alaei, Iis Sopyan (Malaysia)
16:45-17:00	Survey of the use of various renewable energies in metropolitan city of Tabris	Mehrnaz Boudagh, Paria Meshkabadi (Iran)
17:00-17:15	Solar water heater with solar powered boiler	Burak Akın (Turkey)
17:15-17:30	Production technologies of a new generation alternative fuel di-methyl ether: A review	Ayça Arınan, Sultan Orman, Hülya Erdener (Turkey)
17:30-17:45	The prospects for geothertmal application in Algeria	Benziada Mébrouk (Algeria)
17:45-18:00	Closing talk for the session of short-talks *by Assoc. Prof. Dr. Erol KURT*	

POSTERS BELOW

POSTER SESSIONS (*)

	ERASMUS IP PROGRAMME POSTERS (17-19 September 2012)	
P1	Statistical and spectral analysis of wind speed in Kırklareli area of Turkey	Eleonora Guseinoviene, Audrius Senulis, Antanas Andrius Bıelskıs, Valdas Kučınskas, Tahir Cetin Akıncı, Serhat Şeker (Lithuania)
P2	Electric mobility schemes improving large-scale photovoltaics integration	Peter D. Lund, J. Lindgren, J. Mikkola (Finland)
P3	Three main thermochemical processes to produce fuel from cotton: A review	Nurgül Özbay, Adife Şeyda Yargıç, Eylem Önal, Rahmiye Zerrin Yarbay Şahin (Turkey)
P4	A new permanent magnet wind energy generator design with axial and radial directed fluxes	Halil Gör, Mehmet Demirtaş, Erol Kurt (Turkey)
P5	Function optimization based on real coded genetic algorithms	Emre ÇELİK, Nihat ÖZTÜRK (Turkey)
P6	Direct torque control for double star induction motor	S. Lekhchine, T. Bahi, Y. Soufi (Algeria)
P7	Optimization of H_2 purification process by using mathematical programming: Determination of appropriate thickness of membranes with respect to cost, permeation and selectivity criterion	Hamid Reza Feili, Hamed Amanipour, Aidin Zojaji Kohan (Iran)
P8	Modelling of an integrated gas and electricity network with significant wind capacity	Meysam Qadrdan, Modassar Chaudry, Jianzhong Wu, Janaka Ekanayake and Nick Jenkins (UK)
P9	Benchmarking of optimization modules for two wind farm design softwares	Eftun Yilmaz, Bahri Uzunoglu (Sweden)
P10	Optical properties of gap cathode in the semiconductor-plasma structure	Hilal Kurt, Özlem Fikirli, Adem Yurtseven (Turkey)
P11	Study of plasma stability in an ionization system with GaAs cathode by using fractal dimension	Hilal KURT (Turkey)
P12	Almond shell as a biomass material	Eylem Önal, Rahmiye Zerrin Yarbay Şahin, Nurgül Özbay, Adife Şeyda Yargıç (Turkey)
P13	Exploration of the energy harvesting for a weather station	Yunus Uzun, Mehmet Demirtaş, Erol Kurt (Turkey)
P14	Hydrogen adsorbtion of single-walled C and BC nanotubes	Ali Emre Genc, Bülent Kutlu (Turkey)
P15	The impact of the dust storms on solar radiation components in central Saudi Arabia	Abdullrahman H. Maghrabi (KSA)
P16	Simulation of solar thermal driven absorption chiller under Algerian climate	Mohamed Lamine Yousfi, Mohamed Saighi, Said Elmetenani, Leila Merabti, Nesrine Hatrafe (Algeria)
P17	General purpose intelligent charging controller for renewable energy resources	Memnun Demir, Raif Bayır (Turkey)
P18	Biodiesel Fuel Production Using Ultrasonic System	Ebrahim Fayyazi, Barat Ghobadian, Gholamhassan Najafi, Bahram Hosseinzadeh, Mehdi Zare (Iran)
P19	Biodiesel fuel production from waste cooking oil by microwave irradiation	Mehdi Zare, Barat Ghobadian, Gholamhasan Najafi, Ahmad Abbaszade, Ebrahim Fayyazi (Iran)
P20	Optimization of antireflection multilayer for industrially crystalline silicon solar cells	Nordine Sahouane, Abdellatif Zerga (Algeria)
P21	An investigation of the absorption edge of spray-deposited CdS: In thin films	Shadia J. Ikhmayies (Jordan)
P22	A Continuous Laboratory Fuel Bioethanol Production System	Maryam Abedi, Ahmad Hajinezhad, Barat Ghobadian (Iran)
P23	Applying FAHP Method to Opt Best Renewable Energy Supply in Tourist Camps	Hamid Reza Feili, Mahdi Minakhani, Vahid Amiri, Habib Allah Kaveh (Iran)
P24	Design and implementation of a smart dual axis sun tracker based on astronomical equations	Fawzi M. Al-Naima, Ramzy S. Ali, Ahmed J. Abid, Bilal R. Abdul Majeed (Iraq)
P25	Fish oil as potential feedstock for biodiesel production	Hooman Ezzati, Barat Ghobadian, Ahmad Abbaszadeh, Abolfath Akbarzadeh, Susan Samadi (Iran)
P26	Reliability assessment of renewable energy supply systems using FAHP &FMEA	Hamid Reza Feili, Mahdi Minakhani, Habib Allah Kaveh, Navid Akar, Vahid Amiri (Iran)
P27	Characterization of the poultry feather fat for producing biodiese	Fateme Mohamadi, Mohamad Ali Abdoli, Barat Ghobadian , Mohamad Safiedin Ardebili, Ebrahim Fayyazi (Iran)

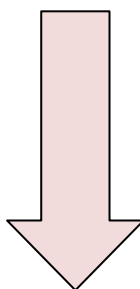|		
P28	Implementation of energy management systems *ISO 50001:2011*, a requirement for the future in renewable energy resources	Hamid Reza Feili, Ebrahim Molaee Aghaee, Rouzbeh Parvazeh, Navid Akar (Iran)
P29	Risk analysis of solar energy drying systems by using FMEA & HACCP in herbal plants industry developed by integrated FAHP & FQFD	Hamid Reza Feili, Ebrahim Molaee Aghaee, Navid Akar, Mohsen Momeni Tabar (Iran)
P30	The role of natural air ventilation systems in climatic design and using windward	Fereshteh Pashaei Kamali, Mitra Honarjoo (Iran)
P31	Physicochemical properties of biodiesel produced through the use of different oils and alcohols	Arash Izadi, Barat Ghobadian, Ahmad Abbaszadeh, Abolfath Akbarzadeh (Iran)
P32	Modelling and evaluation of some parameters effective on reactor design for biodiesel production for optimized utilization of ultrasonic waves	E. Fayyazi, B. Ghobadian , Gh. Najafi, B. Mostafaei, B. Hosseinzadeh (Iran)
P33	Benchmarking of the endemic architecture of Iran in the use of clean energy	Mitra Honarjoo, Fereshteh Pashaei Kamali (Iran)
P34	Modelling and simulation of a biogas reactor with IPSEpro software	Emrah Onursal, Kamil Ekinci, Mustafa Acar (Turkey)
P35	Modelling solar radiation intensity on convex walls of a vertical cylindrical biogas reactor	Emrah Onursal, Kamil Ekinci, Mustafa Acar, Ahmet Süslü (Turkey)
P36	Biodiesel production from caster oil and its characterization	Hooman Ezzati, Barat Ghobadian, Ahmad Abbaszadeh, Abolfath Akbarzadeh, Susan Samadi (Iran)
P37	Fuzzy analytic hierarchy process approach for designing opt best renewable energy in emergency center	Hamid Reza Feili, Amirhossein Ghaffari Malayeri, Aydin Zojaji Kohan, Mohsen Momeni Tabar (Iran)
P38	Investigestion of the effects of permanent magnet materials used in spherical actuator rotor on the machine torque characteristic and magnetic flux density	Adem DALCALI, Emre ÇELİK, Cemil OCAK (Turkey)
P39	The effect of fault current limiters on distribution systems with wind turbine generators	Gokhan Cakal, Fatma Gul Bagriyanik, Mustafa Bagriyanik (Turkey)
P40	SVM technique for three phase matrix converter feeding induction motor	Aziz Boukadoum, Tahar Bahi, Abla Bouguerne, Youcef Soufi, Sofiane Oudina (Algeria)
IP1	A simple neural model of a photovoltaic panel	Jose Manuel Lopez-Guede, Jose Antonio Ramos-Hernanz, Ekaitz Zulueta, Fernando Oterino, Unai Fernandez (Spain)
IP2	Influence of large photovoltaic power instalations into the grid	Josean Ramos-Hernanz, José Manuel López-Guede, Unai Fernandez, Ekaitz Zulueta, Inmaculada Zamora (Spain)
IP3	Energy And Exergy Efficiencies in Thermal Power Plants	Adem ACIR (Turkey)
IP4	Wind generators and power converter topologies	Güngör BAL (Turkey)
IP5	A case study: renewable energy park	Ramazan BAYINDIR (Turkey)
IP6	Renewable energy in EU and Romania	Robert BELOIU (Romania)
IP7	Hybrid power sources topology with active mitigation of inverter current ripple	Nicu BIZON (Romania)
IP8	Aspects concerning the application of co-simulation to renewable energy systems	Dumitru CAZACU (Romania)
IP9	Nonlinear vibration energy harvesting for mobile device powering	Francesco COTTONE (France)
IP10	Application of computational intelligence techniques to renewable energy systems	Jose M. LOPEZ GUEDE (Spain)

IP11	Solar thermal power plants: state-of-the-art and future developments	Loreto V. GUTIERREZ (Spain)
IP12	Policies and strategies for the promotion of bioenergy	Christiane HENNIG (Germany)
IP13	An interdisciplinary perspective on sustainable energy supply and demand	Rafaela HILLERBRAND (Germany)
IP14	Advanced hydrogen technologies	Mustafa İLBAŞ (Turkey)
IP15	Utilizing quantity or quality of wind energy: which comes first?	Birol KILKIŞ (Turkey)
IP16	Nonlinear aspects in a new piezoelectric energy harvester under a changeable magnetic flux	Erol KURT (Turkey)
IP17	Modeling and emulation of the energy source (fuel cell model and photovoltaic cell model)	Mihai OPROESCU (Romania)
IP18	Large-scale renewable energy schemes in urban areas	Peter LUND (Finland)
IP19	Electrical vehicles	Francisco Martin (Spain)
IP20	Cyber security for energy systems	Şeref SAĞIROĞLU (Turkey)
IP21	A general overview on the power electronics issues in wind energy and photovoltaic systems	İbrahim SEFA (Turkey)
IP22	Renewable aspects of fission and fusion nuclear energy	Sümer ŞAHİN (Turkey)
IP23	Hydrogen production based on nuclear energy	H. Mehmet ŞAHİN (Turkey)
IP24	Basic principles of solar thermal concentrating systems	Eduardo ZARZA (Spain)
IP25	R&D in concentrating solar power	Eduardo ZARZA (Spain)

(*****) **-** Since the Scientific Committee assigned for the poster review may have questions and
    Suggestions, please stand aside your poster at the poster session times.
  - Please do not forget to get back your poster(s).
  - The preferred dimension for each poster should be 100 cm height and 60 cm width as also stated in web-site of the workshop.

LECTURES BELOW

LECTURES

Time	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-23 Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
9:00-11:00				Doç. Adem Acır - Energy And Exergy Efficiencies in Thermal Power Plants	Assoc. Prof. Dr. Ramazan Bayındır- A Case Study: Renewable Energy Park	Cultural Tour	Prof. Dr. Jose A. RAMOS HERNANZ-Influence of large photovoltaic power installations into the grid	Prof. Dr. H. Mehmet ŞAHIN- Hydrogen production based on nuclear energy	Dr.Robert BELOIU- Renewable energy in EU and Romania	Prof. Dr. Rafaela HILLERBRANDT An interdisciplinary perspective on Sustainable Energy Supply and Demand	Dr. Mihai OPROESCU- Modeling and emulation of the energy source (fuel cell model and photovoltaic cell model)
	Short Talks*(w. Coffe Break during 3 days)										
11:15-12:30				Prof. Dr. Mustafa Ilbaş - Advanced Hydrogen Technologies	Prof. Dr. Peter Lund - Large-scale renewable energy schemes in urban areas	Cultural Tour	Prof. Dr. Jose M. LOPEZ GUEDE - Application of computational intelligence techniques to renewable energy systems	Dr. Eduardo Zarza - Basic principles of solar thermal concentrating systems	Dr.Nicu BIZON- Hybrid power sources topology with active mitigation of inverter current ripple	Prof Dr Şeref Sağıroğlu – Cyber Security for Energy Systems	Prof Dr Güngör Bal Wind Generators and Power Converter Topologies
Lunches and Rest (12:30-13:45)											
13:45-14:30				Prof. Dr. Mustafa Ilbaş - Advanced Hydrogen Technologies	Prof. Dr. Peter Lund - Large-scale renewable energy schemes in urban areas		Prof. Dr. Jose M. LOPEZ GUEDE - Application of computational intelligence techniques to renewable energy systems cont.	Dr. Eduardo Zarza - Commercial Potential for Solar Thermal Power Plants	Dr.Nicu BIZON- Hybrid power sources topology with active mitigation of inverter current ripple continues	Prof Dr Şeref Sağıroğlu – Cyber Security for Energy Systems	Prof Dr Güngör Bal Wind Generators and Power Converter Topologies
14:45-16:45				Assoc. Prof. Dr. İbrahim SEFA general overview on the power electronics issues in wind energy and photovoltaic systems	Prof. Dr. Birol Kılkış- Utilizing quantity or quality of wind energy: Which comes first? continues		Prof. Dr. Francesco COTTONE - Nonlinear vibration energy harvesting for mobile device powering	Dr. Loreto V. Gutierrez - Solar Thermal Power Plants: State-of-the-Art and future developments	Prof Dr. Assoc. Prof. Dr. Dumitru CAZACU Aspects concerning the application of co-simulation to renewable energy systems	Dr. Christiane HENNIG- Policies and strategies for the promotion of bioenergy	Prof. Francisco Martin - Electric vehicles
	Short Talks*(w. Coffe Break during 3 days)										
17:00-18:00				Prof. Dr. Sümer ŞAHIN- Renewable Aspects of Fission and Fusion Nuclear Energy	Prof. Dr. Sümer ŞAHIN- Renewable Aspects of Fission and Fusion Nuclear Energy		Assoc. Prof. Dr. Erol Kurt Developments in fusion energy researches	Assoc. Prof. Dr. Erol Kurt Nonlinear Aspects in a New Piezoelectric Energy Harvester under a changeable magnetic flux	Assoc. Prof. Dr. Erol KURT - Nonlinear Aspects in a New Piezoelectric Energy Harvester under a changeable magnetic flux	Dr. E. KURT - Applications on piezoelectric systems	Discussions on the principles of decent energy solutions & Closing Evaluations
17:15-18:15	Posters' Evaluation and Homeworks for ERASMUS IP students										

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