

ICAF Program

Day 1

Friday 2nd December 2016

09:00-09:30 Registration and Posters Setup (Erciyes Teknopark-Tekno 4/5)

09:30-10:00 Coffee/Tea Break

10:00-10:20 Opening Ceremony & Welcome Speech by Rektor (Main Hall Erciyes Teknopark)

10:25-10:35 Welcome Speech By Conference Chairs (Main Hall Erciyes Teknopark)

10:40-11:20 Visit to Alternative Fuels Research Laboratory (AFRL) Laboratory by Rektor

11:30-12:00 Keynote Speech (1) (Main Hall Erciyes Teknopark)

Prof. Dr. Thomas Henry CULHANE (USA)

Title: Participatory Sustainable Energy and Waste Management Infrastructures: Case Studies in Community-Based Environmental Systems Planning and Implementation in slums, informal communities and Favelas, with a focus on small scale self built biodigesters

12:30-13:30 Lunch (Erciyes University Food Court)

13:30-14:15 Keynote Speech (2) (Main Hall Teknopark)

Prof. Dr. Mohamed BECHERIF (France)

Title: The future of transportation

14:20-16:00 Sessions (Oral) (Main Hall, Oxygen Room and Hydrogen Room)

16:00-16:15 Coffee/Tea Break

16:15-17:35 Sessions (Oral) (Main Hall, Oxygen room and Hydrogen room)

17:40-18:20 Sessions (Posters)

18:30-19:30 Dinner (Erciyes University Food Court)

ORAL SESSIONS (14:20-17:35)

	Engine and Emissions Performance of Biofuels (Main hall)	Biofuels feedstocks/ Biomass (Oxygen Room)	Special session on Alternative Energy/Energy Efficiency/management (a) (Hydrogen Room)
Chairs & Co-Chairs	Prof. Dr. Belkacem ADOUANE (Algeria) Assis. Prof. Dr. Ilker ÖRS (Turkey)	Dr. Wan Mohd Hafizuddin bin Wan Yussof (Malaysia) Dr. khalida BOUSDIRA (Algeria)	Prof. Dr. Mohamed BECHERIF (France) Assoc. Prof. Dr. Belkhir NEGROU (Algeria) Assis. Prof. Dr. Mohamed RAMADAN (Lebanon)
14:20-14:40	ICAF-2016-13 Combustion and performance analysis of <i>Ceiba pentandra</i> and <i>Nigella sativa</i> biodiesel engine	ICAF-2016-27 Linseed (<i>Linum usitatissimum</i>): a possible new feedstock for biofuel	ICAF-2016-70 Theoretical energy conserved heating cooling load calculations for an academic hall
14:40-15:00	ICAF-2016-66 Influence of fuel components of coconut and neem biodiesel on diesel engine characteristics	ICAF-2016-11 Cleaner production of biodiesel from novel feedstocks	ICAF-2016-73 Multi-agent system and ontologies in optimizing the management of renewable energy hybridize system
15:00-15:20	ICAF-2016-57 Biodiesel production from <i>Chlorella protothecoides</i> : a sustainable renewable energy source	ICAF-2016-31 Extraction and utilization of <i>Sudanese acacia</i> seeds oil for biodiesel production in Sudan	ICAF-2016-74 Modeling of a cooling system for the energy supply of a green building

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15:20-15:40	ICAF-2016-60 Investigation of engine performance characteristics in a biodiesel pilot fueled natural gas engine with stochastic reactor model	ICAF-2016-48 Fuel properties of Bayburt's safflower plant based biodiesel	ICAF-2016-76 Study of the performance and emissions of dual fuel diesel engine with LPG as secondary fuel
15:40-16:00	ICAF-2016-17 Numerical simulation of the effect of the composition of biogas on emissions of its combustion in spark ignition engine	ICAF-2016-91 Waste coffee oil: a promising source for biodiesel production	ICAF-2016-44 Techno-economical optimization of a stand-alone wind-photovoltaique-hydrogen power system at the south-east region of Algeria
16:00-16:15	Tea/ Coffee break		
16:15-16:35	ICAF-2016-18 Performance evaluation of binary and multi-blends of biodiesel from cotton, Jatropa and neem oils in four cylinder CI engine	ICAF-2016-104 Cost-effective impact of sugarcane as industrial biofuel in Pakistan	ICAF-2016-79 Energy demand scenarios for the residential sector in Algeria to 2040
16:35-16:55	ICAF-2016-87 Estimation of GHGS emissions from municipal solid waste disposal practices by IGES-GHG calculator: a case study from Thailand		ICAF-2016-77 Modeling of a hybrid system for the energy supply of a "Net Zero" building in south of Algeria
16:55-17:15	ICAF-2016-106 Effects on performance, emission and combustion parameters of addition biodiesel and bioethanol into diesel fuel		ICAF-2016-114 Energy yield and economic analysis of tracker controlled and fixed angle photovoltaic solar power system

17:15-
17:35

ICAF-2016-115
Energy audit and implementation of
energy conservation strategies in a
public sector building

Day 2

Saturday 3rd December 2016

09:30-10:10 Keynote Speech (3) (Main Hall Erciyes Teknopark)

Dr. Gopalakrishnan KUMAR (South Korea)

Title: Bioenergy production from micro and macro (marine) algae biomass: Trends and views towards sustainability along with the integration of bio- refinery

10:20-12:40 Sessions (Oral)

12:40-13:30 Lunch (Erciyes University Food Court)

13:30:14:20 Keynote Speech (4) (Main Hall Erciyes Teknopark)

Assis. Prof. Dr. Hazir Farouk Abdelraheem ELHAJ (Sudan)

Title: The worldwide production of bio-jet fuels - the current developments regarding technologies, feedstocks, and innovative new R&D developments

14:20-16:05 Sessions (Oral) (Main Hall, Oxygen Room and Hydrogen Room)

16:05-16:20 Coffee/Tea Break

16:20-17:05 Sessions (Oral) (Main Hall, Oxygen room and Hydrogen room)

17:10-18:00 Sessions (Poster)

18:30-20:00 Gala Dinner

ORAL SESSIONS (10:20-12:40)

	Macroalgae/ Microbiology (Oxygen Room)	Biofuels Production (a) (Main hall)
Chairs & Co-chair	Assis. Prof. Dr. Hazir Farouk Abdelraheem ELHAJ (Sudan) Research Assistant Professor. Gopalakrishnan KUMAR (S Korea)	Prof. Dr. Belkacem ADOUANE (Algeria) Assoc. Prof. Dr. Ala'a H. Al-MUHTASEB (Oman) Dr. khalida BOUSDIRA (Algeria)
10:20- 10:40	ICAF-2016-04 Isolation and characterization of four new Egyptian isolates of <i>Botryococcus braunii</i> (trebouxiophyceae) isolated from the Nile river, Egypt	ICAF-2016-03 Comparison studies for catalytic cracking of bio-oil in presence of different acidic catalysts
10:40- 11:00	ICAF-2016-05 Effect of incubation temperature, light intensity and salinity on growth, lipid content and composition of two Egyptian race a of <i>Botryococcus braunii</i>	ICAF-2016-15 A comparative study of physical and chemical properties of canola biodiesel-butanol-diesel blends, canola biodiesel-methanol-diesel blends and canola biodiesel-ethanol-diesel blends
11:00- 11:20	ICAF-2016-06 Long-term outdoor biomass and lipid production of the diatom <i>Nitzschia palea</i> (bacillariophyceae) with special reference to lipid and biodiesel characteristics	ICAF-2016-33 Study on physical and chemical properties of biodiesel-butanol-diesel obtained from waste cooking oil
11:20- 11:40	ICAF-2016-54 Effect of medium composition on bioelectricity generation using a local isolate of <i>Pseudomonas</i>	ICAF-2016-43 Recent developments in hydrogen and syngas production by superadiabatic combustion
11:40- 12:00	ICAF-2016-55 Microbial fuel cell, energy generation and beyond, a review	ICAF-2016-111 Extraction of biofuels from weeds with aid of nickel oxide nano catalyst in Pakistan

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12:00-12:20	ICAF-2016-105 Recent development in the production of third generation biodiesel from microalgae	ICAF-2016-50 Combustion study of phoenicicole biomass in Algerian oasis using thermogravimetric analysis. Deglet nour cultivar case
12:20-12:40		ICAF-2016-80 Analysis and future prospects of flared gas/carbon dioxide by conversion into fuel from gas flaring in Algeria

ORAL SESSIONS (14:20-17:05)

	Biofuels Production (b) (Oxygen Room)	Waste to Energy (Main Hall)	Special session on Alternative Energy/Energy Efficiency/Management (b) (Hydrogen Room)
Chairs & Co-chairs	Prof. Dr. Belkacem ADOUANE (Algeria) Assoc. Prof. Dr. Ala'a H. AI-MUHTASEB (Oman) Dr. khalida BOUSDIRA (Algeria)	Prof. Dr. Thomas Henry CULHANE (USA) Assis. Prof. Dr. Hazir Farouk ELHAJ (Sudan)	Prof. Dr. Mohamed BECHERIF (France) Assoc. Prof. Dr. Belkhir NEGROU (Algeria) Assis. Prof. Dr. Mohamed RAMADAN (Lebanon)
14:20-14:35	ICAF-2016-61 Numerical simulation of the effect of leachate re-injection on the LFG production and site stabilization	ICAF-2016-10 The potential of waste for energy production and reduction of GHG emissions in Khartoum state, Sudan	ICAF-2016-82 Heat management methodology for enhanced global efficiency in hybrid electric vehicles
14:35-14:50	ICAF-2016-62 Study of kinetic reaction of formation of biodiesel from Jatropha oil by spectrophotometry	ICAF-2016-14 Investigation of waste coffee as a potential biodiesel resource in Turkey	ICAF-2016-83 Energy management of hybrid electric vehicle considering the presence of fault and battery state of charge

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14:50-15:05	ICAF-2016-59 Continuous biogenic hydrogen production from dilute acid pretreated algal hydrolysate using hybrid immobilized mixed consortia	ICAF-2016-34 Conversion of medical wastes into fuels by using nanocatalysts	ICAF-2016-84 Future trends prediction of electricity demand due to plug-in electric vehicles connected to the grid
15:05-15:20	ICAF-2016-81 Enhancement of bioethanol production using mesoscale oscillatory baffled reactor	ICAF-2016-38 Lignin as a renewable polymer to be used in EOR	ICAF-2016-85 Optimal control and dynamic performance enhancement for wind plant based DFIG using metaheuristic techniques
15:20-15:35	ICAF-2016-96 Co-pyrolysis of biomass and waste polymers	ICAF-2016-39 Desulfurization of diesel like fuel (DLF) produced from waste tire oil and its effects on engine performance and emissions	ICAF-2016-90 Minimization of energy and carbon footprints of the products machined by turning
15:35-15:50	ICAF-2016-21 Production of biodiesel from sudanese Jatropha oil by different methods	ICAF-2016-53 Fractional distillation of mixed plastic wastes as alternative fuel	ICAF-2016-108 Use of parabolic troughs in HVAC applications – design calculations and analysis
15:50-16:05	ICAF-2016-09 Biodiesel production from waste oil	ICAF-2016-67 Cold climate adaptations for household level biodigestion: food waste to fuel and fertilizer research in Portugal, Pennsylvania, New york and Germany	ICAF-2016-109 Using speed bump in power generation - analytical modeling and experimental study
16:05-16:20	Tea/Coffee break		

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16:20-16:35	ICAF-2016-23 Biodiesel production from different waste vegetable oil sources: a comparative study	ICAF-2016-68 Indoor bathroom, kitchen and basement biodigesters: cold climate adaptations for household level biodigestion	ICAF-2016-110 Hybrid heat recovery system applied to exhaust gas of chimneys – thermal modeling and case study
16:35-16:50		ICAF-2016-86 Brainstorming: symbiosis-circular-performance economy- alternative fuels for future	
16:50-17:05		ICAF-2016-98 Approaching food waste segregation in Ho chi minh city, Vietnam	

Day 3

Sunday 4th December 2016

10:00-10:45	Keynote Speech (5) (Main Hall Erciyes Teknopark) Prof Sang-Hyoun KIM (South Korea) Title: BioH2 from Galactose: Future and Prospects
10:45-11:30	Closing Ceremony & Certificate for best Poster and Paper Prize (Main Hall Erciyes Teknopark)
11:30-13:30	Visit to laboratory again for collaboration with academics + IAFA establishment
12:30-13:30	Lunch (Erciyes University Food Court)
13:30-18:00	Trip to Cappadocia
19:00-	Back to hotel & Finish ICAF-2016

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Chair/Co-chairs contacts:

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