

World Engineers' Convention 2011

Program September 4th – 9th 2011

	Sunday 4 th	Monday 5 th	Tuesday 6 th			Wednesday 7 th			Thursday 8 th	Friday 9 th		
TOPICS		Global Challenges	Education in Engineering	Mobility and Transportation	Buildings and Megacities	Power Plants and Networks	Renewable Energy and Storage	Rational End Use				
09:00	Meeting of the committees WFEO	Opening Ceremony	Plenary Sessions			Plenary Sessions			Committee-Meetings Assemblies WFEO FEANI EYE	Committee-Meetings Assemblies WFEO FEANI EYE		
10:00			Round Tables with Keynote Speakers			Round Tables with Keynote Speakers						
11:00												
12:00												
13:00												
14:00	Registration	Round Table Energy and Environment Ministers	Parallel Sessions			Parallel Sessions						
15:00		Global Challenges				Fukushima – Facts and Consequences						
16:00						Closing Ceremony and Declaration						
17:00	Welcome Cocktail	Concert / Chorus CERN	Rolex Learning Center EPFL Night			Convention Dinner					Apero	Gala Dinner
18:00												
19:00												

Social Programs

	Social Program Monday	Social Program Tuesday	Social Program Wednesday
09:00 – 17:00	Young Engineers Lounge	09:00 – 17:00 Young Engineers Lounge	09:00 – 17:00 Castel of Chillon-Montreux-Lausanne
10:00 – 17:00	Visit of Gruyères / Chocolats Cailliers	10:00 – 17:00 Chamonix / Aiguille du Midi	19:00 – 24:00 Convention Dinner on the lake of Geneva
20:00 – 24:00	WFEO-YEFL, EYE-Event	18:00 – 22:00 Rolex Learning Center / EPFL-Night	20:00 – 24:00 WFEO-YEFL, EYE-Event

Sunday, September 4th 2011

	Specials for the Day
14:00 - 19:00	Registration
	Convention
18:00 - 21:00	Welcome Cocktail
19:00 - 19:15	Welcome Representative Republic Geneva (Renaud Gautier, Member of the parliament of the Canton of Geneva)
	Social Program
14:00 - 16:00	Tour Geneva City

Monday, September 5th 2011

Opening Ceremony

09:30 – 11:30	Ruedi Noser, President of the Association World Engineers' Convention 2011, CH
	Doris Leuthard, Federal Councillor of Switzerland, Head of the Federal Dept. of the Environment, Transport, Energy and Communications, CH
	Gretchen Kalonji, Assistant Director-General for Natural Sciences, UNESCO, AT
	Marc Muller, Member of the Government of the Republique of Geneva, CH
	Pierre Maudet, Representant of the City of Geneva, CH
	Maria J. Prieto Laffargue, President of the WFEO, ES
	Maria van der Hoeven, Director of the International Energy Agency Paris, NL

Round Table Energy and Environment Ministers

13:30 – 15:30	Doris Leuthard, Federal Councillor of Switzerland, Head of the Federal Dept. of the Environment, Transport, Energy and Communications, CH
	Günther Oettinger, European Commissioner for Energy (request running)
	Eric Besson, Minister of Industry, Energy and the Digital Economy, FR (request running)
	Amina Benkhadra, Minister of Energy, Mines, Water and Environment, MA (request running)
	Tienan Liu, Viceminister, Head of the National Energy Administration, China (request running)
	Elizabeth Dipuo Peters, Minister of Energy of the Republic of South Africa (request running)
	Edison Lobão, Minister of Energy of Brazil (request running)

Global Challenges

16:00 – 17:30	Dr. Matthias Bichsel, Member of the Executive Committee of Royal Dutch Shell plc, DE: «Resources for a globalized world»
	Prof. Jean-Pascal von Ypersele de Strihon, Université catholique de Louvain, BE: «The climate change challenge: Which scope for action?»
	André Borschberg, CEO, Co-founder and pilot of Solar Impulse, CH: «Solar Impulse, flying around the world with no fuel and no pollution. From project to the first European solar flights.»

Tuesday, September 6th 2011

Education in Engineering

09:00 – 11:00 Keynote Speakers	Dipl. Ing. Mauro Pellegrini, President of Swiss Engineering, CH: «Introduction»
	Dr. Ing. Willi Fuchs, Executive Director of the Association of German Engineers (VDI), DE: «The global responsibility of engineers in the 21. century – Challenges for the engineering education»
	Prof. Torsten Fransson, Royal Institute of Technology, SE: «Boosting worldwide collaborations in education using e-learning platforms»
	Prof. Hiroshi Komiyama, Former President of the University of Tokyo, JP: «Information structuring: a challenge for both education and research»
	Julien Roitman, President of the National Council of Engineers and Scientists of France, FR: «Grow the right kind of engineers to face the new challenges»
	Kathy J. Caldwell, P.E., F.ASCE, American Society of Civil Engineers ASCE, President 2010-2011, US: «Vision 2025 – Engineering leadership for sustainability»

Mobility and Transportation

09:00 – 11:00 Keynote Speakers	Prof. Lino Guzzella, Professor for Thermotronics ETH-Zurich, CH: «Introduction»
	Prof. Chris Edwards, Professor Stanford University, US: «Green mobility – Taking the long view»
	Dr. Markus Montigel, CEO of Systransis Ltd, CH: «Higher capacity, better punctuality and lower energy consumption in railway networks – Thanks to smart IT behind the scene»
	Yohan Allouche, Airbus, Environment & Alternative Fuels, FR: «Alternative fuels in Airbus»

Buildings and Megacities

09:00 – 11:00 Keynote Speakers	Prof. Daniel Kündig, President of the Swiss Society of Engineers and Architects SIA, CH: «Introduction»
	Adrian Altenburger, Amstein + Walthert AG, President of the Energy Commission SIA, CH: «The LowEx-Transformation Challenge»
	Prof. Dr. Dr. E.h. Werner Sobek, Illinois Institute of Technology, University of Stuttgart, DE: «Sustainable building techniques»
	Dr. Johannes Milde, CEO Siemens Schweiz AG, Building Technologies Division, CH: «The future of building technologies»
	Prof. Dr. Qizhi Mao, Tsinghua University, IEAS Consultant, CN: «The challenge of megacities in China»

Round Tables with Keynote Speakers

11:30 – 12:30	Education in Engineering, Mobility and Transportation, Buildings and Megacities
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Parallel Sessions

14:00 – 18:00	Education in Engineering, Mobility and Transportation, Buildings and Megacities (Details see backside)
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Special Sessions

14:00 – 18:00	Addressing Infrastructure and the Changing Climate through Engineering Knowledge Development and Capacity Building: Keynote: David Keith
	Presentations Project Young Engineers
	America's view on energy challenges
	China's view on energy challenges
	Engineering for Global Development

Wednesday, September 7th 2011

Power Plants and Networks

09:00 – 11:00 Keynote Speakers	Gian-Luca Bona, CEO of Empa, Switzerland, CH: «Introduction»
	Prof. Dr.-Ing. Anke Rita Kaysser-Pyzalla, Helmholtz-Zentrum, Berlin, DE: «Materials for energy systems»
	Anne Lauvergeon, Ex-CEO of AREVA, FR: «Future of nuclear energy»
	Prof. Koichi Yamada, Senior Advisor to the President office at the University of Tokyo, JP: «Perspectives for decentralized power generation with fuel cells»
	Ph. D. XU Shisen, President China Huaneng Group Clean Energy Research Institute, CN: «Clean coal power generation and/or utilization»

Renewable Energy and Storage

09:00 – 11:00 Keynote Speakers	Prof. Alexander Wokaun, Paul Scherrer Institut, CH: «Introduction»
	Christoph W. Frei, Secretary General, World Energy Council London, CH: «Transitioning towards a sustainable energy future»
	Prof. Michael Grätzel, Ecole Polytechnique Fédérale de Lausanne (EPFL), CH: «The future of the direct electricity or hydrogen production from solar energy»
	Dr. Peter Walther, Senior Vice President, BASF – The Chemical Company, CH: «New generation of batteries for mobility and stationary application»
	NN, DE: «The project Desertec»
Willy R. Gehrer, Senior Consultant Siemens Schweiz AG, Chairman Electrosuisse, CH: «Geothermal energy – The solution for a worldwide sustainable energy supply?»	

Rational End Use

09:00 – 11:00 Keynote Speakers	Prof. Daniel Favrat, École polytechnique fédérale de Lausanne (EPFL), CH: «Introduction»
	Hervé Suty, Head of research centres of Veolia Environment, FR: «Energy and water: Key challenges for the future»
	Jacques Bourgon, Holcim Group Support Ltd, CH: «The major energy and environmental challenges faced by the cement industry»
	Jefferson W. Tester, Croll Professor of Sustainable Energy Systems, Cornell University, US: «Meeting distributed electricity and heating and cooling loads using hybridized biomass and low enthalpy geothermal cogenerations systems»
	Ir Dr. Chan Fuk-Cheung, Senior Vice President, The Hong Kong Institution of Engineers, CN: «Optimize energy utilization in a modern world»

Round Tables with Keynote Speakers

11:30 – 12:30	Power plants and Networks, Renewable Energy and Storage, Rational End Use
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Parallel Sessions

13:30 – 16:00	Power plants and Networks, Renewable Energy and Storage, Rational End Use (Details see backside)
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The Future – Closing Ceremony

17:00 – 18:30	Maria J. Prieto Laffargue, President of WFEO, ES: «Summary of WEC 2011»
	Eng. Adel M. M. J. Al-Kharafi, President elect of WFEO, KW: «The priority of WFEO in the next two years»
	Ruedi Noser / Jorge Spitalnik (WFEO) / Young Engineer (WFEO-Future Leader): «Declaration of Geneva»
	Representant Japan, JP: «WEC 2015 in Kyoto»
	Goodbye

Special Session Fukushima: Facts and Consequences

13:30 – 15:30	Dr. Okada Sohei, Executive Director of JAE, JP
	Prof. Hideki Nariai, President, Japan Nuclear Energy Safety Organization JNES, JP
	Leonard Bond, Founding Director of the Center for Advanced Energy Studies (CAES) at the Idaho National Laboratory, US
	François Billon, ONET Technologies, FR
	Georges Servières, Senior Nuclear Advisor, EDF, FR
	Klaus Toepfer, Former German Federal Minister for the Environment, Nature Conservation and Nuclear Safety, DE (request running)

Special Session

09:00 – 17:00	ENAAE-IFEES-IEA Educating Engineers for Sustainable Development: the Relavance of Accreditation
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Thursday, September 8th 2011

Specials for the Day

08:00 - 18:00 Registration

WFEO

10:00 - 18:00 General Assembly

FEANI

19:00 - 21:00 Welcome-Apéro

EYE

tbd EYE Plenary

Social Program

tbd Services Industriels Geneva

tbd EYE-Party

Excursions

tbd Alptransit / Grand Dixence (first day)

tbd Project ITER Cadarache (first day)

08:00 - 20:00 Visit ETH Zürich

10:00 - 18:00 Visit CERN

10:00 - 18:00 Ecological Buildings 1-4

Friday, September 9th 2011

WFEO

09:00 - 12:00 General Assembly

19:00 - 23:00 Gala Dinner with FEANI

FEANI

09:30 - 13:00 General Assembly

19:00 - 23:00 Gala Dinner with WFEO

Excursions

08:00 - 18:00 Project ITER Cadarache (second day)

08:00 - 18:00 Alptransit / Grand Dixence (second day)

10:00 - 18:00 Visit CERN

10:00 - 18:00 Ecological Buildings 1-4

Parallel Sessions Tuesday Sept 6th and Wednesday Sept 7th

Education

Parallel Sessions Tuesday, 6 th 14:00 – 18:00	Nilanjana Rao, INDIA: «Engineering Education To Attract And Retain Women To Engineering Careers In India»
	Nadia Ghazzali, CANADA: «Why are women less interested in Science and Engineering?»
	Roberto Trejos, COSTA RICA: «International Cooperation in the Promotion of Engineering Accreditation in Central America»
	Prof. Lluís Jofre, SPAIN: «Promoting engineering studies in Catalonia. Results from two years of the EnginyCAT program»
	Prof. Alex Nogueira, BRAZIL: «Biodiesel didactic plant and industrial simulation»
	Ian Smith, SWITZERLAND: «Improving Computing Education for Engineers»
	Prof. Víctor Gómez Frías, FRANCE: «Research internships in engineering education»
	Prof. Jesus Franklin Andrade Romero, BRAZIL: «Unified Engineering: A practical Contact of Students with Engineering Methods and Interdisciplinary Problems»
	Dr. Bao-Ian Xiao, CHINA: «Practice and thinking on the perfect design of philosophy courses in the process of training excellent engineers»
	Elena Trotskovsky, ISRAEL: «Classification of errors, misunderstandings and misconceptions of students according to engineering thinking categorization»
	Mark Capellaro, GERMANY: «Education, Engineers and Wind Energy»
	François Xavier Martin, FRANCE: «In what country will scientists and engineers need to face the global energy challenge study and get their degrees?»
	Prof. Ozer Arnas, USA: «Teaching energy conversion in the context of geopolitical issues»
	Dr. Tom Siller, USA: «Engineering on the boundaries»
	Prof. Eva Schuepbach, SWITZERLAND: «Research and education in sustainability at the University of Applied Science (UAS) in Berne, Switzerland – a competitive advantage for future engineers»
Teresa Sanchez, FRANCE: «Training engineers to face global challenges: the role of accreditation agencies»	
Prof. Anne-Marie Jolly, FRANCE: ««Smart building» a new concept of engineering education curriculum»	

Mobility and Transport

Parallel Sessions Tuesday, 6 th 14:00 – 18:00	Roberto Capata, ITALY: «The turbo-hybrid vehicle concept: entering the prototypal phase?»
	Anibal Franco, USA: «Boston Logan First LEED Certified Air Terminal in the World and Environmental Management at Airports»
	Dr. Lidia Zakowska, POLAND: «The effect of mobility and transport habits of senior citizens in Europe on life quality and energy consumption»
	Prof. Qinghuai Liang, CHINA: «Planning of China's Urban Rail Transit during Rapid Urbanization»
	YU Xiaohua, CHINA: «Thoughts on Planning «Smart» Transportation System for Metropolis (Future of Car Traffic)»
	François Lacôte, FRANCE: «Le TGV, un succès commercial, un projet d'ingénieur»
	Henning Schwarz, FRANCE: «Energy metering and billing for energy efficient electric train operation»
	Chhavi Dhingra, INDIA: «Benchmarking public transport services in Indian cities»
	Maurício Moreira, BRAZIL: «The urban mobility as a requisition for the improvement of life quality in the cities and reduction of energy consumption»
	Marc Uffer, SWITZERLAND: «Terrestrial and airborne based sensor technology – essentials for civil engineers»
	Olivier Paul-Dubois-Taine, FRANCE: «What future outlook of the automobile mobility system?»
	Magnus Lincoln Quarshie, GHANA: «Rationalising energy use: the urban transport sector view»

Buildings and Megacities

Parallel Sessions Tuesday, 6 th 14:00 – 18:00	Prof. Yoshiharu Amano, JAPAN: «Comparative evaluation of residential energy systems to reduce CO ₂ emissions»
	Dr. Céline Weber, SWITZERLAND: «Optimal building energy efficiency for the new headquarters of the IUCN (International Union for Conservation of Nature)»
	Dr. Pascal Piguet, SWITZERLAND: «Energy design for the SOVALP urban district in Geneva»
	Magister Ales Kralj, SLOVENIA: «Gas filled panels as high insulation alternative for 21 st century building envelopes»
	Arvind Poothia, INDIA: «Green construction in India: technology & socio political issues»
	Nilanjana Rao, INDIA: «Environmentally sustainable buildings – a case study from India»
	Guiyou He, CHINA: «Sustainable projet life-cycle management based on building information modeling»
	Prof. Francois Gervais, SWITZERLAND: «Rapid, rich and reliable photogrammetry on demand (R-Pod)»
	Dr. Gilles Desthieux, SWITZERLAND: «Methodological framework and guidelines to support the integration of energy in urban planning in Geneva, Switzerland.»
	Jakob Rager, SWITZERLAND: «From science to application in Geneva: Best Practice example: from the theoretical concept of exergy in a Law on Energy to the everyday life of a citizen»
	Mark Jennings, UNITED KINGDOM: «Optimal investment planning for low carbon domestic heating options in London: 2010-2050»
	Jiaqi Zhang, CHINA: «Analysis of the Relationship between Urban Development and Urban Planning & Construction – A Case Study of Tianjin Binhai New Area»
	Prof. Lluís Jofre, SPAIN: «Monitoring and Promoting ICT-based Energy Efficiency in Spain through the E2-ICT Cluster»
	Edmond Collot, FRANCE: «Cerib's tools for energy performance buildings»
	Forrest Meggers, SWITZERLAND: «Improving the way we improve buildings»
	Zhanguo Mao, CHINA: «Prefabricated Building Energy-Saving Reform Research»
	Dr. Pascal Piguet, SWITZERLAND: «Seasonal Storage: Using the Summer Sun to Warm a Neighborhood in Winter»
Dr. Daniel Gstoehl, LIECHTENSTEIN: «Fluidized glass façade elements for an active energy transmission control»	
Claudia Toro, ITALY: «A general procedure for the optimal integration of buildings and their energy plants»	

Global Challenges

Parallel Sessions Tuesday, 6 th 14:00 – 18:00	Jean-Claude Keller, SWITZERLAND: «The consequences on our environment of the increase of the rate of atmospheric CO ₂ »
	Dr. Shalini Sharma, INDIA: «Energy Security: Renewable Energy Challenges in India»
	Kamel Bennaceur, FRANCE/USA: «Engineering Solutions for Sustainability: Materials and Resources – Lessons Learned from the 2009 Lausanne Workshop»
	Dr. Francis Luck, FRANCE: «Four strategic priorities to shape tomorrow's energy landscape»
	Dr. Arif Malik, OMAN: «Discounting procedures in large engineering projects»
	C Mariottoni, BRAZIL: «The Brazilian energy efficiency programs and the economic aspects»
	Prof. Paul Amyotte, CANADA: «A sustainable energy future is not possible without inherently safer design»
	Emmanuel Onugu, NIGERIA: «Engineering challenges in the 21 st century: The west African perspective»
	Adriana Marcucci, SWITZERLAND: «Implications of global challenges and uncertainties for regional strategies»
	Dr. Morgan Thomas, CANADA: «Frontiers in energy science and engineering: a Canadian perspective»

Power Plants and Networks

	Xiangping Chen, UNITED KINGDOM: «Hybrid electrical storage and power system for household trigeneration application»
	Hans E. Wettstein, SWITZERLAND: «Natural gas fired gas turbine combined cycles for the energy supply within an economy with growing renewable energy sources»

Parallel Sessions Wednesday, 7th 14:00 – 18:00	Hans E. Wettstein, SWITZERLAND: «Natural gas fired gas turbine combined cycles for the energy supply within an economy with growing renewable energy sources»
	Yang Xu, CHINA: «Low-carbon Power Plant Construction in its Whole Life Circle»
	Jorge Michael Burgos Meneses, COLOMBIA: «Design, validation and implementation of a heuristic that allows to balance assembly lines to maximize efficiency of processes»
	José Ramirez, PERU: «Model to optimize the operation of the units of a thermoelectric power station (ILO I)»
	Dr. Dexiang Jia, CHINA: «Research on large-scale solar power exploitation and long distance transmission planning method»
	Yongfeng Hu, CHINA: «Development and application of denitrification technology in China»
	Gilles David, FRANCE: «Waste heat recovery projects through Organic Rankine Cycle technology – Examples of biogas engines and steel mills applications»
	Hervé Mignon, FRANCE: «Generation adequacy report: a mission of RTE»
	Rosaline Ganendra, MALAYSIA: «Blueprint for Sustainable World-Class Electricity Supply For Iskandar Malaysia Regional Development»
	Jean-Maxime Saugrain, FRANCE: «Long-length, high-voltage superconducting power cables»
	Dr. Hassan Harajli, LEBANON: «Integrating wind energy into the Lebanese electricity system»
	Dr. Cynthia Colmellere, FRANCE: «Towards enhanced sustainability of nuclear power plants: social, organizational and technological challenges»
	Dr. Jackson Marciniuchen, SWITZERLAND: «Efficiency improvements of a thermal power plant by making use of the waste heat of large datacenters using two-phase on-chip cooling.»
	Prof. Bao Jingling, CHINA: «To establish Circular Economy Production Mode in Coastal Area Thermal Power Plant – A Case Study of one Proposed Power Plant in Tianjin»
	Kwaku Kunadu Jnr, GHANA: «Power Generation, The Volta River Authority Experience (V.R.A)»
	Wang Jingrui, CHINA: «Preliminary Discussion On The Micro Grid Technique»
	Ramin Danesfaleh, IRAN: «Combined heat and power in Mashhad power plant»

Renewable Energies and Storage

Parallel Sessions Wednesday, 7th 14:00 – 18:00	Dr. Gilles Desthieux, SWITZERLAND: «GIS tool to estimate the solar radiation on territory and building roofs in the Canton of Geneva»
	Prof. Kumiko Miyazaki, JAPAN: «Technological diffusion of renewable energy in Japan – the case of residential photovoltaic»
	Zong Hua, CHINA: «Discussion About Electricity Generation Of Thin Film Amorphous Silicon Solar Cell»
	Zheng Chong-Wei, CHINA: «Wave Energy Resources Revaluation In The Global Ocean During The Last 45 Years»
	Prof. Zhou Lin, CHINA: «Wave climate and wave energy research in South China Sea»
	Aline Choulot, SWITZERLAND: «Small hydropower diversity & turbines especially designed for the site to equip: a key for the future of this renewable energy»
	Asfaw Beyene, USA: «The impact of morphing wind turbine blade to delay stall»
	Chang Huiying, CHINA: «Research On Evaluation Of Wind Turbine Drive Train System»
	Dr. Gabriel Laryea, GHANA: «Measurements and prediction of the wind energy potential at selected locations in Ghana»
	Dai Haitao, CHINA: «Aerodynamic Design And Optimization Of Horizontal Axis Wind Turbine Blades»
	Prof. Ladislaus Rybach, SWITZERLAND: «Global geothermal development growth rates – in relation to other renewables»
	Phil Hemmingway, IRELAND: «Geothermal energy in small countries – laying the foundations for innovative development»
	Dr. James Akanmu, NIGERIA: «Sustainable Clean Energy Production from Food Waste and Cow Dung»
	Prof. Bangjie Yang, CHINA: «The Development Strategy of Bio-mass Energy in China: Technology Development, Industrialization Mode and Policy»
	Emerson Henrique de Sousa Bezerra, BRAZIL: «Ecosustainable bases for the urban and rural development: energetic potential from solid waste»
	Cassiano Agapito, BRAZIL: «Brazilian competitiveness in world's biomass supply»
	Binayak Bhandari, SOUTH KOREA: «Study of process parameters of nano particle deposition system (NPDS) by computational fluid dynamics for the fabrication of dye-sensitized solar cells (DSSC)»
Matteo Morandin, SWITZERLAND: «Thermo-electrical energy storage: a new type of large scale energy storage based on thermodynamic cycles»	

Rational End Use

Parallel Sessions Wednesday, 7th 14:00 – 18:00	Prof. Marc Rosen, CANADA: «Efficiency analysis of the global industrial sector using energy and exergy»
	Aurelie Vuillermoz, FRANCE: «Systematic methodology for energy efficiency in industry: Application in a papermaking process»
	Don Olsen, SWITZERLAND: «Practical Heat Integration Analysis in the Process Industries»
	Peter Spiteri, MALTA: «Investigation of Electric Motors Energy Saving Potential in Industrial Applications»
	Sergio Lucke, BRAZIL: «Potential and reality of MSW-based power plants in Brazil»
	Jin Hu, SWITZERLAND: «CO ₂ gas hydrate for cold storage»
	Barbaro Medina, CUBA: «Numerical simulations of clays flash calcinations in tubular furnace»
	Karen Scrivener, SWITZERLAND: «Calcined Clays, An Alternative To Obtain Supplementary Cementing Material In Developing Countries»
	Prof. Antonio Bula, COLOMBIA: «Energetic, environmental and economical optimization of coal-natural gas co-combustion process in a cement rotary kiln based on CFD modeling»
	Andrea Barbieri, SWITZERLAND: «Generating electrical energy using waste gas exhaust heat from high efficient cement kiln systems»
	Kenta Matsushima, JAPAN: «Study on a zero emission model for (local production for local consumption) of energy in a cold district with heavy snow – a case of Tokachi area in Hokkaido»
	Gilles David, FRANCE: «Waste heat recovery projects through Organic Rankine Cycle technology – Examples of biogas engines and steel mills applications»
	Dr. Xin Lin, JAPAN: «LED Lighting Equipment with Optical Wireless Communication Functions»
	Zhuohua Zhang, CHINA: «China should establish heat metering system as soon as possible Orient residential community of Changzhi city as an empirical study»
	Heidi Echeverri Florez, COLOMBIA: «Application of TOC in the integrated waste management»
	Magister Saliha Bouzenada, ALGERIA: «Liquid Desiccant Evaporative Cooling System»
	Ivan Wyssen, SWITZERLAND: «An improved control strategy for air/water heat pump systems»
Anne Favatier, SWITZERLAND: «How to drive customer involvement»	

Global Challenges

Parallel Sessions Wednesday, 7th 14:00 – 18:00	Yvette Ramos, FRANCE/MAROCOCO: «Socio-economic impacts and evaluation in adapting to global environmental and energy conditions: the case of climate change and drought in the oriental of Morocco»
	Prof. Janusz Kozinski, CANADA: «Utilisation of waste wood for bioenergy using supercritical water technology»
	Dr. Richard Phillips, SWITZERLAND: «The global energy challenges for Switzerland»
	Doug Hargreaves, AUSTRALIA: «Population and Energy Policies in Australia»
	Magister Rita Paleta, PORTUGAL: «RAES Project: Towards sustainability in developing countries»
	Pascal Piquet, SWITZERLAND: «Study of the thermal sea power potential of the Provence-Alpes-Côte d'Azur Region, France»
	Michael Sanyo, USA: «WFEO capacity building»
Prof. Koichi Yamada, JAPAN: «Future prospects of photovoltaic systems for mitigating global warming»	