

PROGRAMME

31 July – 2 August, University of Florence,



etaflorence • renewableenergies

VENUE: School of Architecture

Santa Teresa Via Della Mattonaia N.14

Tel. +39 055 2755410, +39 335309948

THIS IS PART OF WORLD RENEWABLES ENERGY CONGRESS

Chairman's Welcome



This is the fourth WREN-WREC Med Green Forum and the second one to be held in Florence, City of art, culture and beauty, teaming with ABITA from University of Florence and ETA from Renewable Energy Florence.

We have received 87 contributions from 50 countries and several students' posters. We will also have presentations from well-known Italian industries in the built environment.

The three Organizations: WREN, ABITA and ETA are working together to highlight the importance of sustainable buildings and renewable energy especially in regions of abundant sunshine.

I would very much like to thank all the sponsors of this event, especially ISESCO and SPRINGER and other Italian companies and authorities. I very much like to thank the various committees for their hard work and commitment and the University of Florence in letting us use their facilities during the summer vacation.

On behalf of my colleagues, Professor Marco Sala, Ms Angela Grassi and I, we wish you all the success in delivering your scientific work at the Forum and having a rewarding experience in networking and meeting new friends.

Aki Sayigh
Chairman of Med Green Forum



Some of the Participants in Med Green Forum_3

organised by		hosted by	
 World Renewable Energy Network	 ABITA - Centro Interuniversitario	 UNIVERSITÀ DEGLI STUDI FIRENZE DIDA DIPARTIMENTO DI ARCHITETTURA	 COMUNE DI FIRENZE
WORLD RENEWABLE ENERGY CONGRESS & NETWORK (WREN), UK WWW.WRENK.CO.UK/MGFI	ABITA - UNIVERSITÀ DEGLI STUDI DI FIRENZE ITALY WWW.CENTROABITA.UNIFI.IT		 SITdA Società Italiana della Tecnologia dell'Architettura
  ETA - FLORENCE RENEWABLE ENERGIES, ITALY WWW.ETFLORENCE.IT			

**02 AUGUST MGF4 CONFERENCE ON “STREAMING VIDEO” ON MAIN SOCIAL MEDIA & PUBLIC SERVERS:
BUSSINESS SESSION _MEDGREEN STUDENT AWARDS CEREMONY_MGF CLOSSING CEREMONY**

Monday 31 July

09:00 – 10:30

OPENING & PLENARY 1- ROOM 402

Chair: Prof Riyadh Al-Dabbagh – UAE

Welcome Speech by Prof Ali Sayigh – Chairman – UK

Welcome Speech by Prof Marco Sala – Co-Chairman – Italy

Welcome Speech by Prof. Yusuf AbdulGhaffar _ Kingdom Univ. Bahrain

1- The Golden Era of Renewable Energy

Prof Ali Sayigh – WREN/WREC, Brighton, UK

2- S. Marko GREEN Island - Green Building Design, Eco Friendly strategies for Mediterranean conscious tourism

Dr Antonella Trombadore* Katarina Brnovic*, Florence, Italy

3- Ur.C.A.: Urban Contemporary Agriculture Project

Prof. Arch. Marco Sala , Dr Chiara Casazza, University of Florence, Italy

10:30 – 11:00

Coffee Break

11:00 – 13:00

PLENARY 2- ROOM 402

Chair: Dr Ruxandra Crutescu – Romania

1- Winter performance of certified passive houses In Temperate Maritime Climate – nZEB Compliant?

Dr Shane Colclough#, Prof Philip Griffiths, Prof Neil J Hewitt, Newtownabbey, N. Ireland

2- Planning without waste

Dr Adolfo F L Baratta, Roma Tre University, Italy

3- Why do we need to reduce the carbon footprint in UAE

Prof. Riadh AL-Dabbagh, Ajman UAE

4- RENEWABLES ARE COMMERCIALY JUSTIFIED TO SAVE FUEL AND NOT FOR STORAGE

Prof Donald Swift-Hook,Secretary, WREN and, Kingston University, London, UK

13:00 – 14:00

Lunch Break

14:00 – 15:30

PLENARY 3 - ROOM 402

Chair: Dr Hossein Mirzaii – UK

1- Environmental Evaluation of the Electric Vehicles Solution for Non-Interconnected Islands

Prof J.K. Kaldellis, G. Spyropoulos, Athens, Greece

2- INFLUENCE OF THE PERIOD OF MEASUREMENTS ON WIND POTENTIAL ASSESSMENT FOR A GIVEN SITE

Prof H. Nfaoui* & Prof A. Sayigh**

*Solar Energy& Environment Laboratory, Mohammed V University in Rabat, Morocco.

**Chairman of WREC & Director General WREN, Brighton, UK

3- Approaches to Design of Microgrid on the Basis of Renewable Energy Sources for Central European Part of Russia

Sergey M. Karabanov¹, Pavel P. Bezrikich²

1-Ryazan State Radio Engineering University, Ryazan, Russia,

2- G.M. Krzhizhanovsky Power Engineering Institute, Moscow, Russia

4- The High School Carrara's revamp project: a case study of the responsible retrofit

Rosa Romano, *University of Florence, Department of Architecture DIDA, via S. Niccolò 93, Firenze 50125, Italy, rosa.romano@unifi.it*

15:30 – 16:00

Coffee Break

16:00 – 18:00

PLENARY 4- ROOM 402

Chair: Dr V. Costanzo – UK

1- Production of ZnO Cauliflowers Using the Spray Pyrolysis Method

Dr Shadia J. Ikhmayies, Al Isra University, Amman, Jordan.

2- Women and Renewable Energy

Dr Ghada Fouad, Chairman, National Co. for Petroleum Services "Wattannia, Cairo, Egypt

3- Proposing a new method for fenestration shading design in prefabricated modular buildings

Dr Seyedehmamak SALAVATIAN, Islamic Azad University- Rasht, Iran

4- Integrated Infrastructure for Renewable Energy and Desalinated sea-water Supply in a Urban Area of an Island

Dr Giuliano Grassi, Secretary General, European Biomass Industry Association, Belgium

18:00 – 18:30

Standby Time

Tuesday 1 August

09:00 – 10:30

PLENARY 5- ROOM 402

Chair: Dr V Costanzo – UK

1- Developing Sustainable Energy and Climate Action for Local Governments: Baseline Emission Inventory - Case studies of City of Luxor and City of Hurghada, Egypt

Mohsen Aboulmag1, Bruno Rebelle2, Emilie Essono3, Naguib Amin4 and Sara Ali5:

1 Professor, Cairo University, Cairo, Egypt, 2 Managing Director, Transitions, France, 3 Energies Domain, France, 4 Team Leader, CES-MED Project, Beirut & Morocco, 5 Junior Research Assistant, Cairo, Egypt

2- Renewable Energy Market Development in Argentina

Prof Carlos Victor Manuel Lubriola, National University of Comahue, Neuquen, Argentina

3- Integrated photovoltaics as part of the building envelope

Dr RUXANDRA CRUTESCU, University "Spiru Haret", Bucharest, ROMANIA

4- Effectiveness of materials, technologies and renewable energy in educational buildings through cluster analysis of energy retrofiting

Dr Laura Calcagnini, Roma Tre University, Italy

5-POLICY OF INTENSIFICATION, DIVERSIFICATION, CONSERVATION, AND INDEXATION IN PURSUING THE SUSTAINABLE TRANSPORT

Prof.Dr.Koesmawan, DBA, Commissioner of Fairness Indonesia Daya (FID), former Rector Ahmad Dahlan School of Economics, The Head of Quality Assurance of Ahmad Dahlan School

10:30 – 11:00

Coffee Break

11:00 – 13:00

INVITED SESSION 1 - ROOM 402

Chair: Dr Ghada Fouad –Egypt

1- Renewable Energy in Argentina

Prof Carlos Victor Manuel Lubriola, National University of Comahue, Neuquen, Argentina

2- Smart Cities & Smart Buildings Powered by Renewable Energy

Dr Ruxandra Crutescu, University “Spiru Haret”, Bucharest, Romania

3- On Integrating Large Shares of Renewables Into The Electricity System Of Cities

Prof Dr Reinhard Haas, Vienna University of Technology, Austria

4- Climate Change Assessment, Simulation and Adaptation for Hot-Arid Urban Settlements: The Case Study of Asmara Project, Cairo, Egypt

Prof Dr. Mohsen Aboulnaga¹, Dr. Amr Alwan², Mohamed Elsharouny³

¹ Dept. of Architecture, Faculty of Engineering, Cairo University, Egypt

² Associate Prof., Dept. of Architecture, Faculty of Eng., Military Technical College, Cairo, Egypt

³ Researcher, Energy Efficiency, Dept. of Architecture, Cairo University, Egypt

5- Municipal Solid Waste Energy Model (SWEM) ©

Eng. Mohammed Dabbas, Dana for Sustainable Development LLC, Amman, Jordan

11:00 – 13:00

INVITED SESSION 2 –ROOM 401

Chair: Prof Don Swift-Hook – UK

1- The cost of building to the near Zero Energy Building standard – a financial case study

Shane Colclough¹, John Mernagh², Derek Sinnott², Neil J Hewitt¹, Philip Griffiths¹

¹ Ulster University, Newtownabbey, Northern Ireland

² Waterford Institute of Technology, Waterford, Republic of Ireland

2- Energy Exploitation of Wind-Solar and Wave Energy Potential in the Islands of Central Aegean Archipelagos

Dr G. Nomikos, Prof J.K. Kaldellis: Athens, Greece

3- A GREEN LIGHT FOR THE GIGLIO ISLAND

Architectural integration of mini-wind systems in the Lighthouse and green infrastructure for sustainable tourism

Dr Antonella Trombadore* - Federica Bertini* : *University of Florence, Florence, Italy

4-Renewable Energy in Morocco: PV Water Pumping System application

Dr Sarah Abdourraziq, Dr Rachid El Bachtiri : Sidi Mohamed Ben Abdellah Univ.,Faz,Morocco

5- Study of Wind Potential in a Low Building Within a Urban Environment

Prof Carlos Victor Manuel Lubriola, National University of Comahue, Neuquen, Argentina

11:00 – 13:00

INVITED SESSION 3 – ROOM 301

Chair: Prof H Nfaoui – Morocco

1- Performance of Solar Window Film With Reference to Energy Rationalizing in Buildings

DrKamilM Yousif[1]and, Alan IbrahimSaeed [2], Zakho University, Zakho, Iraq.

2-Modeling and control of a large scale wind turbine based permanent-magnetic synchronous generator connected to the utility grid with energy storage systems

Ali EL YAAKOUBI¹, Kamal ATTARI¹ Adel ASSELMAN¹ and Abdelouahed DJEBLI²

¹ Optic and Photonic Team, Faculty of sciences, Abdelmalek Essaaidi University, Tetouan, Morocco

² Energetics, Fluid Mechanics and Materials Laboratory, University, Tetouan, Morocco

3- The natural light in Architecture. The use inspired by the constructive tradition.

Fabio G.S. Giucastro, SDS of Architecture of Siracusa, University of Catania, Italy

4- SOCIO-ENVIRONMENTAL SURVEY, HYDROTHERMAL MONITORING AND THERMAL SIMULATION FOR THE BIOAMENTAL ADAPTATION OF A RURAL STATE SCHOOL IN SILIPICA, SANTIAGO DEL ESTERO- ARGENTINA Gabriela Giuliano¹, Beatriz Garzón ² :

(1) Architect and Professor Santiago del Estero, Argentina, (2) Architect,Adjunct Professor of the Chair of Environmental Conditioning II, San Miguel de Tucumán, Argentina

5- A University Master Course and Training Program for Energy Managers and Expert in Environmental Design in Italy

Dr Lucia Ceccherini Nelli, University of Florence, Florence, Italy

13:00 – 14:00

Lunch Break

14:00 – 15:30

TECHNICAL Session 1 – ROOM 402

Chair: Prof Carlos Victor Manuel Lubriola - Argentina

1- Revitalization of Traditional Architecture for Eco and Rural Tourism towards Sustainable Development in villages of the Kukes, Diber and Skrapar Regions, Albania

Dr Arnisa Lushaj, Polis University, Tirana, Albania

2- Ventilation Effectiveness of Residential Ventilation Systems and its Energy Saving Potential

Dr Mohammad Reza Adili, University of Stuttgart, Stuttgart, Germany

3- Adaptive Skin conceptual Prototype & Integration of Solar Concentrators: A Case Study in Florence - Italy

Prof. Giuseppe Ridolfi, Dr. Lucia Ceccherini Nelli, University of Florence, Florence, Italy

4- Enhancing Indoor Air Quality for Residential Building in Hot Arid Regions

Prof. Dr. Ghanim Kadhém Abdul Sada, Dr. Tawfeeq Wasmi M. Salih, Al Mustansiriyyah Univ.Iraq

14:00 – 15:30

TECHNICAL Session 2 – ROOM 401

Chair: Dr Seyedeh Mamak SALAVATIAN – Iran

1- Design and Performance of a Propeller Hydro Turbine Model for Water Supply Networks

Dr Young Do Choi & VietLuyen Vu, Mokpo National University, Korea

2- Evaluating Deep Retrofit Strategies for Buildings in Urban Waterfronts

Dr Nicola Strazza, University of Trieste, Trieste, Italy

3- Near Zero Energy Building: Optimization of Solar Facades in Warm Climates of the Mediterranean Region

Dr Arman Saberi, Italy

4- The ECREE: Catalan Strategy for the Energy Renovation of Buildings

Dr Juan Antonio Bas Villalobos, Government of Catalonia, Spain

14:00 – 15:30

TECHNICAL Session 3 – ROOM 301

Chair: Eng. Mohammed Dabbas– Jordan

1- Sustainable Energy in Nigeria

Dr Amina Batagarawa, Department of Architecture, Ahmadu Bello University, Zaria, Nigeria

2- Saving of coastal Mediterranean Cities from rising Ocean waters

Dr Alexander Turin, Russian Federation, Russia

3- Methodology of Solar Project Managing Through All Stages of Development

Dr Anreis Snegirjovs, Institute of Physical Energetics, Latvia

4- Urban and Architectural Sustainability in Restoration of Iranian cities (Strategy and Challenges)

Dr. Nazila Khaghani, University of Florence, Italy (Teheran, Iran)

5- Visualizing the Infrared Response of an Urban Canyon throughout a Sunny Day

Dr Benoit Beckers, Université de Pau et des Pays de l'Adour, France

6- Refurbishment and technological innovation in existing school buildings: the quality of learning environments

Arch. Ilaria Massini, University of Florence - Department of Architecture DIDA, Florence Italy

15:30 – 16:00

Coffee Break

16:00 – 18:00

TECHNICAL Session 4 – ROOM 402

Chair: Dr Kamel Yousif – Iraq

1- Life Cycle Assessment of Expanded Insulation Cork Board

Dr Ana Dias, University of Aveiro, Portugal

2- Thermal Monitoring of Low Income Housings Built with Autoclaved Aerated Concrete in a Hot-Dry Climate

Dr Ramona Alicia Romero Moreno, Universidad Autonoma de Baja California, Mexico

3- Rammed Earth in Contemporary Architecture. An Application for a Waterfront in Naples.

Dr Viviana Del Naja, Italy

4- Ways Towards' the Low-carbon Transport System

Dr Amela Ajanovic, Technical University of Vienna, Austria

5- Development of 5kW Small Wind and PV Hybrid System for Rural Fresh Milk Production in Sri Lanka

Dr Pandigamage Chanaka Hasitha WEERASENA, Korea Maritime and Ocean University, Korea

16:00 – 18:00

TECHNICAL Session 5 – ROOM 401

Chair: Dr Shadia J. Ikhmayies – Jordan

1- Urban Farming in the Era of Crisis in Greece: The Case Study of the Municipal Allotment Garden of Ag. Anargiri-kamatero And Fili

Dr Konstadinos ABELIOTIS, HAROKOPIO UNIVERSITY RESEARCH COMMITTEE, Greece

2- Urban development and urban Agriculture for growing city Region, Casablanca, Morocco

Dr Majid Mansour, Ecole Nationale d'Architecture, Morocco

3- A method for comparing the energy needs of urban buildings with their electricity production from PV facades

Dr V. Costanzo*, R. Yao, Reading, UK

4- Home Floating System

Dr Chiara Casazza, University of Florence, Italy

5- Problem of Education in Developing of Renewable Energy in Indonesia

Dr Ellya Marlina Yudapraja, Universitas Pasundan, Indonesia

6- TO-SYN-FUEL: Turning Sewage Sludge into Fuels and Hydrogen

Dr Stevano Capaccioli, ETA-Florence Renewable Energies, Florence, Italy

7- Policy of Intensification, Diversification, Conservation, and Indexation Pursuing the Sustainable Transport

Dr Koesmawan Adang Soebandi, PT FID, Indonesia

8- Disegno Urbano Resiliente: Belgrado e Firenze

Dr Chiara Odolini, ABITA UNIFI, Florence, Italy

16:00 – 18:00

TECHNICAL Session 6 – ROOM 301

Chair: Prof. Jazla Fadda _ American Univ. – United Arab Emirates

1- Experimental Research and Design Process of an Adaptive Multifunctional Façade System

Dr Paola Gallo, School of Architecture, Florence, Italy

2- Development Fabrication and Standardization of Bio-Waste Digestor cum Energy Generator For Urban Household Bio-waste

Dr Balram Bhardwaj, Maclec Technical Project Laboratory Pvt Ltd, India

3- Implementation of Intensification Concepts, diversification, conservation, and Indexation for developing renewable energy in the cities

Dr Sumarsono Soeparno, Ffaireness Indonesia Daya, Indonesia

4- Towards Energy Optimized Cities

Dr Ghazal Etminan, Austrian Institute of Technology, Austria

5- Easy CAM. Proposal for a new assessment tool to verify the environmental sustainability of urban renovation project

Dr Federico Orsini, University of Roma, Italy

6- A history not for throwing away

Dr Adolfo F L Baratta, Roma Tre University, Italy

18:00 – 18:30

Standby Time

Wednesday 2 August

09:00 – 09:30

PROF. ARCH MARCO SALA



INAGURATION Ur.C.A : Urban (Con) Temporary Agriculture

Advanced Green Hydroponic House prototype.

Funded European Union _ Tuscan Region

Piazza Pietro Anigoni Florence (Faculty of Architecture Florence)



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Prof. Arch. Marco Sala
Mrs Cristina Giacchi (Ph.D) Vice Mayor
Prof. Arch. Saverio Mecca
Mr. Lorenzo Bacci

09:45 – 11:00

PLENARY 6- ROOM 402

Chair: Prof Don Swift-Hook – UK

1- Feasibility Study of a Low Carbon House in the UK

Dr Hossein Mirzaei, Kingston University, London, UK

2- IMPLEMENTATION OF INTENSIFICATION CONCEPTS, DIVERSIFICATION, CONSERVATION AND INDEXATION FOR DEVELOPING RENEWABLE ENERGY IN THE CITIES(A Case of the Idea of One Price Policy of Fuel in Indonesia)

Dr. Sumarsono, DBA, Chairman of Ffairess Indonesia Daya (FID), Indonesia

3- SUSTAINABLE PROJECTS ON CYPRUS ISLAND

Prof. Despina K. Serghides, The Cyprus Institute.

4- QUALITY OF HEALTHCARE: A REVIEW OF THE IMPACT OF HOSPITAL PHYSICAL ENVIRONMENT ON IMPROVING QUALITY OF CARE

Dr. Jazla Fadda, *American University in the Emirates, Dubai – United Arab Emirates*

11:00 – 12:30

INVITED SESSION 1 – ROOM 401

Chair: Prof Mohsen Aboul Naga – Egypt

1- A Parametric Tool for Assessing Optimal Location of Buildings According to Environmental Criteria

Dr Chiesa, Giacomo: Politecnico of Torino, Italy

2- A Project for the NZERO-Foundation in the South of Italy

Dr Lucia Ceccherini Nelli, University of Florence, Florence, Italy

3- Recovering Neglected Architecture in Inner Italian Towns: The Case-Study of the Ancient Pasta Factory Spinelli

Dr Dora Francese: Università degli Studi di Napoli Federico II, Napoli, Italy

4-Performative Architecture: The Role of Performances in the Definition of an Informed Design Process.

Dr Angelo Figliola, University of Rome La Sapienza, Roma, Italy

11:00 – 12:30

INVITED SESSION 2 – ROOM 402

Chair: Dr Antonella Trombadore – Italy

1- Meta-Design Approach to Environmental Building Programming for Passive Cooling of Buildings

Dr Chiesa, Giacomo: Politecnico of Torino, Italy

2- Energy Audit to design the retrofit of existing buildings: the case study of a school building in Torino

Dr Alessandra Donato, DIDA-Università di Firenze, Florence, Italy

3- Universal Transformable Building System

Dr Alexander Turin, Russian Federation, Russia

4- Effectiveness of Occupant Behavioral Ventilation Strategies on Indoor Thermal Comfort in Hot-Arid Climate

Dr Ali Sedki, Beirut Arab University, Beirut, Lebanon

11:00 – 12:30

INVITED SESSION 3 – ROOM 301

Chair: Dr Hossein Mirzaii – UK

1- Increase of Biogas Yield by Using Sewage Water and Yeast in Anaerobic Fermentation Process

Dr Mohamed Mansour, University of Science and Technology, Egypt

2- Innovative Design for Generating both Electricity and Fresh Water from the Cloud

Dr Mohamed Mansour, University of Science and Technology, Egypt

3- Feasibility Study of Using Domestic Solar Hot Water Systems as an Alternative to Reduce the Electricity Peak Demand in Assalouyeh

Dr Roya Moradifar, South Pars Gas Complex, Tehran, Iran

4- Simulation of an Absorption Solar Cooling System for Batna, Algeria

Dr Mounir Aksas, University of Batna , Algeria

12:30 – 13:00

Lunch Break

MED GREEN FORUM 4

MGF4_BUSINESS SESSION BIOS_ECO TECHNOLOGY & ITALIAN EXCELLENCY

BIOS: ECO TECHNOLOGY TRANSFERENCE

BIOS: 生态技术转让

Eco Technology for Green Architecture, Eco Efficient Cities & Interior Design.

绿色建筑生态技术, 生态高效城市与室内设计

Florence – Italy 佛罗伦萨-意大利

Sino Italian Design Center Florence

Villa Strozzi

Florence - Italy

MGF 4_Business Session venue Villa Strozzi _Sino Italian Design Center
Florence www.sidec.cn



Coordinated by IGD Italian Green Design Florence Italy
www.abitagreen.net

IGD Bios focus on enterprise knowledge update & B2B Matching opportunities on Sustainable Eco European Technology transference in the field of Building construction, Environmental Technologies and Interior Design focusing over the Mediterranean, the Middle East and the Peoples Republic of China.

IGD Bios专注于企业知识更新和B2B可持续生态欧洲技术转让在地中海, 中东和中国建筑、环境技术和室内设计领域的匹配机会。

TARGET 目标:

Construction Companies & Technology providers, National Constructions associations, Commerce Chambers, School of Architects & Engineering's, Industrial Design, Furniture and Environmental technologies enterprises.

建筑公司和技术提供商, 国家建筑协会, 商业房屋, 建筑师和工程学院, 工业设计, 家具和环境技术创业。

Eco Technologies Enterprises under Agreements with IGD_ABITA

与 IGD_ABITA 达成协议的生态技术企业

14:30 pm /
Coordinator

Villa Strozzi Florence Via Pisana 77
Prof. Fernando Recalde _Arch. Carlo Anzilotti _Prof. Erich Trevisiol ABITA_IGD

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KAROL www.karol.it Riccardo Malquori	Gruppo Mercantile www.gruppomercantileservizi.com Roberto Quaranta

18:30	MGF Student Award Award Ceremony	Prof. Marco Sala
18:45	MGF4 Closing Ceremony	Prof. Ali Sayigh Director WERC
19:00	Cocktail	Villa Strozzi Florence
20:30	Barbeque Dinner Party Residence Via Santa Marta 31 Florence – Coaches Free	Via Bolognese Prof. M. Sala

Interuniversity Resarch Center ABITA Univ. of Florence www.centroabita.net
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TECNO Environment www.tecnoenvironment.com
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FORUM HOTEL

Grand Hotel Mediterraneo
Lungarno del Tempio
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Programme at Glance 31July - 2 August 2017

MED GREEN FORUM - 4

DAY TIME	Sunday 30 July	Monday 31 July	Tuesday 1 August	Wednesday 2 August
09:00 – 17:00		Registration		
09:00 – 10:30		Opening & Plenary	Plenary	Plenary
10:30 – 11:00		Coffee - Break		
11:00 – 12:00		Plenary	Three parallel Inv.	3- Technical Sessions
12:00 – 12:30 12:30 – 13:00			Three parallel Inv.	
				Lunch
13:00 – 14:00		Lunch - Break		Coaches to Outside Venue
14:00 – 15:30		Plenary	3- Technical Sessions	Italian Industry*2
15:30 – 16:00		Tea - Break		
16:00 - 18:00	WRENCouncil Meeting Exhibition Setting Poster Setting Registration	Plenary	3- Technical Sessions	Italian Industry *2
18:00 – 18:30				Closing Ceremony*2
18:30 – 19:30	Reception			Reception*2
19:30 – 22:00		Special ©Function By Invitation Only	*1 GALA DINNER	*3 Barbeque At Marco Sala