



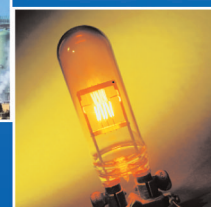
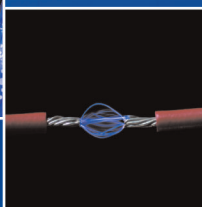
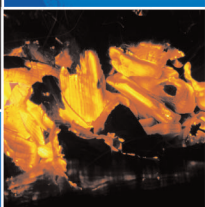
WORLD ENERGY COUNCIL

CONSEIL MONDIAL DE L'ENERGIE

COMITATO NAZIONALE ITALIANO

Atti del 20° Congresso Mondiale dell'Energia

Roma 11-15 novembre 2007



20° Congresso Mondiale dell'Energia

11-15 novembre 2007

Nuova Fiera di Roma

DOMENICA 11 NOVEMBRE

18.00/19.30 Congress Opening Ceremony

- **Romano Prodi** *Italian Prime Minister* (**Speech**)
- **Chicco Testa** *Chairman, Rome 2007 Organising Committee* (**Speech**)
- **André Caillé** *Chairman World Energy Council* (**Speech**)

LUNEDÌ 12 NOVEMBRE

09.45/10.30 **Keynote Address**

- **José Manuel Barroso** *President, European Commission*
"OUR ENERGY FUTURE IN AN INTERDEPENDENT WORLD" (**Speech**)

11.00/11.30 **Special Address**

- **Anne Lauvergeon** *Chairman of the Executive Board, Areva, France*
"NUCLEAR POWER MUST BE MORE THAN A RICH COUNTRY'S OPTION" (**Speech**)

11.30/13.00 **DISCUSSION SESSION 1 - (6 parallel Conferences)**

1.1 POLITICS AND ECONOMICS OF SUSTAINABLE ENERGY

- **Dr Salman Ghouri**, *Senior Economist Qatar Petroleum, Qatar*
"WORLD ENERGY OUTLOOK - 2050: POLICY OPTIONS" (**Presentation**)
Mr. Mohammed Alfehaid, *Planning Specialist Saudi Aramco, Saudi Arabia*
"WORLD ENERGY ROADMAP – A PERSPECTIVE" (**Paper**)
- **Dr Goran Granic**, *Director Energy Institute Hrvoje Požar, Croatia*
"DOES THE ENERGY SECTOR REFORM CALL FOR REFORM?" (**Paper**)
- **Mrs Elisabeth Torstad**, *Director Of Operations Cleaner Energy & Utilities Dnv Energy, Norway*
"DRIVING SOLUTIONS FOR CLEAN AND ECONOMICAL ENERGY PRODUCTION: EXPERIENCE AND KEY LEARNINGS FROM EUROPE AND THE US" (**Presentation**)

1.2 THE ROLE OF REGIONAL MARKETS

- **Dr Latsoucabé Fall**, *Regional Coordinator For Africa World Energy Council, Senegal*
"BUILDING A SUSTAINABLE ENERGY FUTURE FOR AFRICA - ACTING NOW AND TOGETHER!" - (**Presentation**)

- **Mr Kiss Peter**, *Partner KPMG In Hungary*
“HUNGARY–UKRAINE ENERGY COOPERATION AND ITS CONTRIBUTION TO THE SECURITY OF SUPPLY IN THE EUROPEAN UNION” **(Paper)**
- **Dr Serge Perez**, *Droit A L Energie, France*
“HOW TO IMPLEMENT AND ORGANIZE THE UNIVERSAL ACCESS TO ENERGY” **(Presentation)**
- **Mr Jean-Paul Host**, *Chargé De Mission Stratégie Gaz De France*
“FROM A FORCED DEPENDENCY TO POSITIVE COOPERATION IN THE FIELD OF ENERGY” **(Paper)**

1.3 COMPETITION FOR SUPPLY SECURITY

- **Dr. Charles Ebinger**, *Senior Energy Advisor International Resources Group, United States*
“INDIAN AND SOUTH ASIAN ENERGY SECURITY” **(Presentation)**
- **Mr Alan McDonald**, *Head, Programme Coordination Group, Dept. Of Nuclear Energy IAEA, Austria*
“THE COSTS OF ENERGY SUPPLY SECURITY” **(Paper)**
- **Dr. Remi Eriksen**, *Chief Operating Officer DNV Energy*
“DEVELOPING SAFE AND RELIABLE LNG SUPPLY CHAINS IN THE NEW GLOBAL ENVIRONMENT: EXPERIENCE AND LESSONS FROM SIX CONTINENTS” **(Paper)**
- **Mr David Sweet**, *Executive Director Wade*
“LOCAL POWER -- GLOBAL CONNECTIONS: LINKING THE WORLD TO A SUSTAINABLE FUTURE THROUGH DECENTRALIZED ENERGY TECHNOLOGY” **(Paper)**

1.4 CLIMATE CHANGE CHALLENGES

- **Dr. Alain Bill**, *R&D Manager - Environmental Products & Services*
“APPROACH FOR EMISSIONS COMPLIANCE IN THE FOSSIL-FUEL BASED ENERGY SECTOR” **(Paper)**
- **Prof Yoichi Kaya**, *Research Insitute Of Innovative Technology For The Earth*
“A NEW STRATEGY FOR MITIGATING CLIMATE CHANGE” **(Paper & Presentation)**
- **Dr Massimo Daniele Sapienza**, *Head Of Strategic Planning, Budgeting And Communication Electrabel Suez*
“EU EMISSIONS TRADING SCHEME AND INVESTMENTS IN THE POWER SECTOR” **(Presentation)**
- **Dr Harn Wei Kua**, *Assistant Professor National University Of Singapore*
“IMPROVED CLEAN DEVELOPMENT MECHANISM AND JOINT IMPLEMENTATION TO PROMOTE WHOLISTIC SUSTAINABLE DEVELOPMENT – AN INTEGRATED POLICY AND METHODOLOGY FOR INTERNATIONAL COLLABORATION” **(Paper)**

1.5 INTERNATIONAL AGREEMENTS : FRAMEWORK FOR REGIONAL COOPERATION

- **Prof Yi-Chong Xu**, *Research Chair Griffith University Australia*
“CHINA AND THE UNITED STATES IN AFRICA: COMING CONFLICT OR COMMERCIAL COEXISTENCE?” **(Paper)**
- **Dr Edoardo Marcenaro**, *Inhouse Counsel Enel, Italy*
“THE ALLOCATION OF RISKS RELATED TO A M&A TRANSACTION IN THE ENERGY SECTOR” **(Presentation)**
- **Mr Pat Bartley**, *Manager Engineering Studies Alstom Power*
“MAXIMIZING ECONOMIC AND ENVIRONMENTAL PERFORMANCE OF EXISTING COAL-FIRED ASSETS” **(Paper)**
- **Mr Harry Lehmann**, *Head Division I: Environmental Planning And Sustainability Strategies Federal Environment Agency Germany*
“A CLIMATE PROTECTION STRATEGY FOR GERMANY - 40% REDUCTION OF CO2 EMISSIONS BY 2020 COMPARED TO 1990” **(Paper)**

1.6 TECHNOLOGY OUTLOOK

- **Mr Seong Kon Lee**, *Researcher Korea Institute Of Energy Research*
“A STUDY ON THE FRAMEWORK FOR SELECTING CORE R&D PROGRAMMES IN ENERGY TECHNOLOGY ROADMAP BY THE DEA APPROACH” (**Paper**)
- **Dr Robert Schainker**, *Senior Technical Executive Electric Power Research Institute*
“STRATEGIC R&D PLANNING FOR AN ENERGY FUTURE IN AN INTERDEPENDENT WORLD” (**Paper & Presentation**)
- **Dr Hans-Holger Rogner**, *Head, Planning & Economic Studies Section, Dept. Of Nuclear Energy International Atomic Energy Agency*
“NUCLEAR ENERGY – STATUS AND OUTLOOK” (**Paper**)

11.30/13.00 **WEC Session**

WEC Committee on Cleaner Fossil Fuel Systems (CFFS)

Fossil Fuels Leading the Clean Energy Revolution

- **Barbara McKee** *Chairman, WEC Committee on Cleaner Fossil Fuels Systems*
“DEPLOYING CLEAN ENERGY SYSTEMS: FAILURE IS NOT AN OPTION” (**Presentation**)
- **Preston Chiaro** *Chief Executive Energy, Rio Tinto, UK and Chairman, Coal Industry Advisory Board (CIAB), Australia*
“THE GLOBAL STAKE IN TECHNOLOGY TRANSFER” (**Presentation**)
- **Peter Garrucho** *Managing Director, First Philippines Holding Corporation and Chairman, WEC Philippines Member Committee*
“FOSSIL FUELS AND CLEANER ENERGY: A DEVELOPING COUNTRY PERSPECTIVE” (**Speech & Presentation**)
- **Mike Moore** *Director of Marketing, Eastern Region Falcon Gas Storage Company Inc., USA*
“FALCON GAS STORAGE-CO2-GLOBAL” (**Presentation**)

11.30/13.00 **Special Session**

“Russian Federation “Global Energy Security - the Role of Russia”

- **Sergei Bogdanchikov** *President, Rosneft Oil Company, doctor of Science academic degree, the member of the International Academy of Fuel and Energy*
“ROLE OF NK “ROSNEFT” IN STRENGTHENING ENERGY SAFETY” (**Report**)
- **Boris Kuzyk** *Director General, National Innovation Company NEW ENERGY PROJECTS «NIC NEP», Corresponding Member, Russian Academy of Sciences*
“THE GLOBAL ENERGY AND ENVIRONMENTAL REVOLUTION OF THE 21ST CENTURY” (**Summary of the Report**)
- **Alessandro Garrone**, *Chief Executive Officer ERG Group*
“THE MULTI-ENERGY CHOICE AS ERG GROUP’S STRATEGY TO COMPETE IN THE GLOBAL MARKET” (**Highlights speech**)

11.30 / 13.00 **Youth Programme**

“The importance of energy policies in an interdependent world. The case of Europe”

- **Claude Turmes** Vice President of the Green Group in the European Parliament, MEP
“FROM WORLD ENERGY CRISES (WEC) TO WORLD ENERGY SOLUTIONS (WES)” (**Presentation 1 & Presentation 2**)

14.30/15.00 **Special Address**

- **Rex W. Tillerson** *Chairman & CEO, ExxonMobil Corporation, USA*
“RENEWING THE COMMITMENT TO ENERGY INTERNATIONALISM” - (**Speech**)

17:00 / 18:30 **WEC Session**

WEC Study: “Effective Policies on Energy and Climate: What Will Work?”

- **Yoichi Kaya** *Director General, Research Institute of Innovative Technologies for the Earth (RITE), Japan*
“PRACTICAL STRATEGY ON GLOBAL WARMING TOWARD 2050” (**Presentation**)

17.00/18.30 **Discussion Session 2 - (6 parallel Conferences)**

2.1 REGIONAL INTEGRATION AS AN AGENT OF INTERDEPENDENCE

- **Mr Makoto Suto**, *President, Washington Office Overseas Electric Industry Survey Institute, Inc., Japan*
“GLOBAL ENERGY ISSUES” (**Paper**)
- **Mr Dietmar Siersdorfer**
“WATER AND POWER FOR THE DESERT – ENERGY SOLUTIONS FOR THE NEAR AND MIDDLE EAST” (**Paper**)
- **Dr Bernard Kryszak**, *Vattenfall Europe Transmission GmbH, Germany*
“THE CHALLENGE OF INTEGRATING LARGE SCALE WIND POWER” (**Paper**)
- **Mr Rymantas Juozaitis**, *General Director Lietuvos Energija AB*
“INTERDEPENDENCE AND SECURITY OF ELECTRICITY SUPPLY OF A SMALL COUNTRY: THE CASE OF LITHUANIA” (**Paper**)

2.2 OIL: STILL IN THE LEAD BUT FOR HOW LONG?

- **Prof. Gonzalez Diego**, *Professor & Consultant Universidad Simón Bolívar, Venezuela*
“HYDROCARBONS RESERVES IN VENEZUELA” (**Paper**)
- **Dr Chen Peng**, *Petroleum Engineer Research Center Of China National Offshore Oil Corporation, China* (**Paper**)
“DEVELOPMENT ADJUSTMENTS: A CASE OF AN OFFSHORE HEAVY OILFIELD”
- **Mr Bouziane Mahmah**, *Chargé De Recherche Centre De Développement Des Energies Renouvelables (CDER), Algeria*
“PROJET MAGHREB – EUROPE : PRODUCTION D’HYDROGENE SOLAIRE” (**Paper**)
- **Mr Giacomo Rispoli** *Senior Vice President Eni - Divisione Refining & Marketing*
“UPGRADING UNCONVENTIONAL OIL RESOURCES WITH THE EST PROCESS” (**Paper**)

2.3 THE 20 TRILLION DOLLAR QUESTION

- **Mr Abdelkrim Ainouche**, *Manager Sonatrach - TRC - In Amenas, Algeria*
“MODELLING AND AVAILABILITY ANALYZES OF A COMPLEX GAS PIPELINE NETWORK” **(Paper)**
- **Mr Michael Bray**, *Partner KPMG Australia*
“REACHING THE \$20 TRILLION TARGET – A PROGRESS REPORT” **(Paper)**
- **Mr V.K. GARG**, *Chairman & Managing Director Power Finance Corporation Of India Ltd, India*
“STRATEGIC ROLE OF FINANCIAL INSTITUTIONS IN SUSTAINABLE DEVELOPMENT OF INDIAN POWER SECTOR” **(Paper)**
- **Dr Andreas Wiese**, *Engineer Lahmeyer International GmbH, Germany*
“PORTFOLIO EFFECTS OF RENEWABLE ENERGIES - BASICS, MODELS, EXEMPLARY RESULTS” **(Paper)**

2.4 RENEWABLES FOR ACHIEVING SUSTAINABLE ENERGY DEVELOPMENT?

- **Prof Zdenek Skala**, *Professor Brno University Of Technology, Czech Republic*
“RESEARCH INTO BIOMASS AND WASTE GASIFICATION IN ATMOSPHERIC FLUIDIZED BED” **(Paper & Presentation)**
- **Mr Jorgen K Kjems**, *Director Technical University Of Denmark*
“WIND TURBINE AND POWER PRODUCTION, THE DANISH DEVELOPMENT” **(Paper)**
- **Dr Gudmundur Fridleifsson**, *Chief Geologist Hitaveita Sudurnesja Hf, Iceland*
“DEEP UNCONVENTIONAL GEOTHERMAL RESOURCES: A MAJOR OPPORTUNITY TO HARNESS NEW SOURCES OF SUSTAINABLE ENERGY” **(Paper)**
- **Dr Lidia Gawlik**, *Director Mineral And Energy Economy Research Institute Poland*
“RENEWABLE ENERGY SOURCES IN POLAND - CONDITIONS AND POSSIBILITIES OF DEVELOPMENT” **(Paper & Presentation)**

2.5 OUR COMMON ENERGY EFFICIENT FUTURE

- **Ioan Dan Gheorghiu**, *Vice-Chairman Of The Romanian National Committee Of World Energy Council*
“EXPERIMENT ON THE USE OF A NEW SOURCE OF RENENABLE PRIMARY ENERGY IN ROMANIA FOR RENDERING EFFICIENT THE POWER CO-GENERATION” **(Paper)**
- **Mr Yves Bamberger**, *Senior Vp, R&D Edf, France*
“ENERGY EFFICIENCY AND CO2 : IS ELECTRICITY THE KEY FACTOR ?” **(Paper)**
- **Dr Jacob Klimstra**, *Senior Energy Specialist Wartsila Netherlands*
“THE NEED FOR A HIGHER FUEL EFFICIENCY OF THE ELECTRICITY SECTOR – AN ANALYSIS OF OPPORTUNITIES AND BARRIERS” **(Paper)**
- **Eduardo Falabella Sousa-Aguiar**, *Coordinator - GTL Cell, CENPES - PETROBRAS*
“BTL: A SOLUTION TO INCREASE ENERGY EFFICIENCY IN THE BRAZILIAN ALCOHOL BUSINESS” **(Paper & Presentation)**

2.6 TECHNOLOGY IN THE DRIVING SEAT

- **Mr Michael James Saunders** *Sustainable Transport Engineer*
“INTER-DEPENDENCE NOT OVER-DEPENDENCE: REDUCING URBAN TRANSPORT ENERGY DEPENDENCE” **(Paper & Presentation)**
- **Mrs Melha Allaoua Nazef** *Natural Gas Operations Assistant Sonatrach Algeria*
“IMPROVEMENT OF CORROSION PROTECTION OF PETROLEUM FACILITIES BY THE DEVELOPMENT OF A NEW HIGH-POTENTIAL COATING” **(Paper)**
- **Mr Raphael Leão** *Engineer Petrobras, Brazil*

“NATURAL GAS APPLICATION IN LIGHT AND HEAVY DUTY VEHICLES IN BRAZIL: PANORAMA, TECHNOLOGICAL ROUTES AND PERSPECTIVES” (*Paper*)

- **Mr Komoro Akio**

“CURRENT STATUS AND FUTURE OUTLOOK OF NUCLEAR POWER GENERATION IN JAPAN” (*Paper*)

17:00 - 18:30 Special Session

Aspen Institute Italia “Climate fears and the nuclear option: science and policies”

- **Giancarlo Aquilanti** *Head Nuclear Area, Enel, Italy*
“CLIMATE FEARS AND THE NUCLEAR OPTION” (*Presentation*)
- **Jean Jacquinot** *Scientific Advisor to the French High Commissioner for Atomic Energy, CEA*
“ADVANCES IN NUCLEAR ENERGY & PUBLIC ACCEPTANCE” (*Presentation*)
- **Richard Lindzen** *Professor, Dept of Earth, Atmospheric, & Planetary Sciences, Massachusetts Institute of Technology*
“A CASE AGAINST CLIMATE ALARMISM” (*Presentation*)
- **Franco Prodi** *Director, ISAC*
“THE PROBLEM OF CLIMATE CHANGE” (*Presentation*)

MARTEDI' 13 NOVEMBRE

9.00/10.30 DISCUSSION SESSION 3 - (6 parallel Conferences)

3.1 SUSTAINABLE TRANSPORT

- **Ms Catherine Aliana Gucciardi Garcez**, *Master Student University Of Brasilia, Canada*
“CULTIVATING SUSTAINABLE DEVELOPMENT? AN ANALYSIS OF THE BRAZILIAN PUBLIC POLICY FOR BIODIESEL WITHIN THE CONTEXT OF SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL MANAGEMENT” (*Paper*)
- **Dr Oscar Sánchez Daza**, *Researcher B. Universidad Autónoma De Puebla, Mexico*
“BIODIESEL OBTAINING FROM RICINUS SEED. ACADEMICAL PROYECT FOR PROMOTING BIOFUELS USE IN MEXICO” (*Paper*)
- **Mr Remko Ybema**, *Unit Manager ECN Netherlands*
“LONG-TERM DEVELOPMENTS IN THE TRANSPORT SECTOR –COMPARING BIOFUEL AND HYDROGEN ROADMAPS” (*Paper*)
- **Dr Pier Paolo Prosinì**, *Researcher ENEA, Italy*
“HYDROGEN CAR CARTRIDGES: A NEW STRATEGY FOR HYDROGEN STORAGE, DELIVERING AND REFUELLING” (*Paper*)

3.2 PRICING ENERGY: GETTING THE BALANCE RIGHT

- **Mr Lucian Palade**, *Market Surveillance&Development Director OPCOM, Romania*
“THE LAUNCH OF A TRADING PLATFORM - A STORY OF SUCCESS, A MATTER OF LIFE” (*Paper*)
- **Mr Giovanni Tagliabue**, *Edison SpA*
“THE IMPACT OF THE LIBERALIZED MARKET ON POWER PLANTS TECHNICAL CHOICES” (*Paper*)

- **Mr Chai Limlertcharoenvanit**, *Engineer, Production Department 2 Engineer, Production Department 2, Thailand*
“REPLACING NEW SYSTEM FOR ECONOMIC POWER TO THE COMMUNITY” **(Paper)**
- **Mr Boris Ayuev**, *Chairman Of The Board SO - CDO For UES, Russia*
“IPS/UPS - UCTE POWER SYSTEM SYNCHRONOUS INTERCONNECTION TECHNICAL ASPECTS”
(Presentation)

3.3 OIL AND GAS: CHALLENGES AND OPPORTUNITIES?

- **Mr Angus Walker**, *National Leader Oil And Gas Ernst & Young, Australia*
“TOWARDS GREATER CROSS-BORDER TRADE IN GAS” **(Presentation)**
- **Mr Amrullah Hakim**, *KNI-WEC, Indonesia*
“AN INTRODUCTION OF GAS BUSINESS AND ITS COMPETITIVENESS FOR ELECTRICITY SECTOR IN INDONESIA”
(Paper & Presentation)
- **Dr Tatiana Mitrova**, *Head Of The Center For International Energy Markets Studies Energy Research Institute Russian Academy Of Sciences, Russia*
“EVOLUTION OF GAS MARKETS AND ENERGY SECURITY” **(Paper & Presentation)**
- **Mr Bastian Schwark**, *Research Associate Ecole Polytechnique Fédérale De Lausanne (EPFL), Switzerland*
“HOW MUCH ROOM IS LEFT FOR EUROPEAN GAS INCUMBENTS?” **(Paper)**

3.4 THE COST OF SUPPLY SECURITY

- **Dr Manfred Hafner**, *Scientific Director OME, France*
“LONG-TERM NATURAL GAS SUPPLY TO EUROPE: IMPORT POTENTIAL, INFRASTRUCTURE NEEDS AND INVESTMENT PROMOTION” **(Paper)**
- **Mr Ali Al-Ajmi**
“SAUDI ARAMCO: OIL TO A THIRSTY MARKET – INTERNATIONAL COOPERATION BRINGS NEW OIL FIELD ON EARLY” **(Paper)**
- **Mr James Slutz**, *Deputy Assistance Secretary, Office Of Oil And Gas United States Department Of Energy, United States*
“THE STUDY ON GLOBAL OIL AND GAS SUPPLY AND DEMAND ” **(Paper)**
- **Mr Francis X. Johnson**, *Research Stockholm Environment Institute, Sweden*
“BIOENERGY AND THE SUSTAINABILITY TRANSITION: FROM LOCAL RESOURCE TO GLOBAL COMMODITY”
(Paper & Presentation)

3.5 SUSTAINABLE ENERGY POLICIES

- **Dr Dietmar Lindenberger**, *Lecturer EWI, Universität Zu Köln, Germany*
“A FUNDAMENTAL ANALYSIS OF ENERGY-ECONOMY-ENVIRONMENT INTERACTIONS AND POLICY OPTIONS FOR INDUSTRIAL COUNTRIES: THE CASE OF GERMANY UNTIL 2030” **(Paper)**
- **Prof. Dr. Nenad Djajic**, *Full Professor Faculty Of Mining And Geology, Serbia & Montenegro*
“NATURAL GAS – A CHANCE FOR SUSTAINABLE DEVELOPMENT OF SERBIAN ENERGY SECTOR” **(Paper)**
- **Mr Capros Pantelis**, *Professor NTUA*
“UNTYING THE ENERGY KNOT OF SUPPLY SECURITY, CLIMATE CHANGE, ECONOMIC COMPETITIVENESS: THE ROLE OF ELECTRICITY” **(Paper & Presentation)**
- **Mr Howard Wetston**, *Chair And CEO Ontario Energy Board*
“FORBEARANCE, REGULATION, AND MARKET POWER IN NATURAL GAS STORAGE: THE CASE OF ONTARIO”
(Paper & Presentation)

3.6 TECHNOLOGY CHOICES: MARKETS AND INCENTIVES

- **Mr Timur Gül**, *Researcher, Phd Candidate Paul Scherrer Institute, Switzerland*
“HYDROGEN AND BIOFUELS – A MODELING ANALYSIS OF COMPETING ENERGY CARRIERS FOR WESTERN EUROPE” **(Paper & Presentation)**
- **Dr David Elmakis**, *Chair WEC-Israel Section, Israel*
“POTENTIAL CONSEQUENCES OF THE DEREGULATION POLICY FOR THE ISRAELI POWER INDUSTRY”
(Paper & Presentation)
- **Mr Abdelkrim Ainouche**, *Manager Sonatrach - TRC - In Amenas, Algeria*
“PROMOTION OF RENEWABLE ENERGIES IN ALGERIA FOR A SUSTAINABLE DEVELOPMENT AND BETTER FUTURE FOR NEXT GENERATIONS” **(Paper)**
- **Dr Jorge Alberto Alcalá Vela**, *Financial Engineering Eletrobrás, Brazil*
“ECONOMIC ANALYSIS OF THE ELECTRICITY MARKET IN BRAZIL” **(Paper)**

9.00/10.30 WEC SESSION

WEC Committee on the Performance of Generating Plant

- **Mike Curley** *Manager GADS Services, NERC, USA*
“CREATING THE NEW IMAGE – UPDATE TO THE WEC-PGP DATABASE” - **(Presentation)**
- **Jiri Mandula** *Manager PRIS, International Atomic Energy Agency*
“NUCLEAR POWER - STATUS AND PERFORMANCE OF GENERATING UNITS” - **(Report & Presentation)**
- **Scott Stallard** *Vice-President, Black & Veatch, USA*
“ECONOMIC AND ENVIRONMENTAL GAINS – IMPROVING AVAILABILITY WILL HELP YOU ACHIEVE BOTH” -
(Presentation)

9.00/10.30 WEC SESSION

“Ensuring Market Integrity: Challenges and Progress”

- **William Hederman** *Executive Director, Morgan Lewis Energy Resources Group* - **(Presentation)**
- **Brad Page** *CEO, Energy Supply Association of Australia (ESAA)* - **(Presentation)**
- **Michael Vallochi** *Partner, Global Industry Leader, Energy & Utilities, IBM Global Business Services, USA* - **(Presentation)**
- **Gary King** *Chief Executive Officer Dubai Mercantile Exchange* **(Presentation)**

09:00 / 10:30 Special Session

Gestore Mercato Elettrico : “Competition in the European Energy Market”

- **Salvatore Zecchini** *President, Gestore Mercato Elettrico, Moderator*
“COMPETITION IN THE EUROPEAN ENERGY MARKETS” **(Presentation)**
- **Michel Crémieux** *Chief Operating Officer, Edison*
“LIBERALISATION AND COMPETITION ON THE ITALIAN ENERGY MARKET” **(Speech)**
- **Peter Kiss** *Partner Energy&Utilities Advisory Services, KPMG in Central and Eastern Europe*
“COMPETITION IN THE EUROPEAN ENERGY MARKET FROM A CENTRAL AND EASTERN EUROPEAN PROSPECTIVE”
(Presentation)
- **Francesco Lo Passo** *Director, Nera Economic Consulting* **(Presentation)**
- **Piero Manzoni** *Managing Director, Atel Energia* **(Presentation)**

- **Simone Mori** *Director of Regulation and Corporate Strategy, Enel* (**Presentation**)
- **Pippo Ranci** *Director, Florence School of Regulation Robert Schuman Centre for Advanced Studies European University Institute* (**Presentation**)
- **Hans-Wilhelm Schiffer** *Vice President Energy Economics, RWE Power AG* (**Presentation**)
- **Didier Sire** *Director Strategy, Gaz de France* (**Speech**)

09:00 / 10:30 Special Session

M&G: “Investing in Renewables: Strategy, Technology and Research”

- **Corrado Clini** *Chairman, Global Bioenergy Partnership of FAO*
“GLOBAL BIOENERGY PARTNERSHIP” (**Presentation**)
- **Guido Ghisolfi** *CEO, M&G Finanziaria srl*
“BIOETHANOL - HOW SUSTAINABLE? HOW CONVENIENT?” (**Presentation**)
- **Andrea Tomaselli**,
“HEAT & POWER SMALL SCALE COGENERATION FROM BIOMASSES “(**Presentation**)
- **Raffaele Tognacca** *AD, Erg Power & Gas*
“THE POINT OF VIEW OF AN INDUSTRIAL INVESTOR” (**Presentation**)
- **Nello Uccelletti** *CEO, Technip Group*
“INVESTING IN RENEWABLES: STRATEGY, TECHNOLOGY AND RESEARCH” (**Presentation**)

9.00/10.30 Youth Programme

Energy Efficiency: Striking A Balance

- **Bruno Lapillonne** *Deputy Director, Enerdata*
“ENERGY EFFICIENCY: HOPES AND REALITIES” (**Presentation**)

11.00/11.30 Special Address

- **Paolo Scaroni** *CEO, Eni*
“IS EUROPE RUNNING OUT OF OPTIONS WHEN IT COMES TO GAS SUPPLIES?” - (**Speech**)

14.00/14.30 Special Address

- **Abdallah S. Jum'ah** *President & CEO, Saudi Aramco, Saudi Arabia*
“GLOBAL OIL RESOURCES AND THE WORLD'S ENERGY FUTURE:A HOLISTIC VIEW” - (**Speech**)

14.30/15.00 Special Address

- **Alexander Medvedev** *Deputy Chairman of the Management Committee, OAO Gazprom, Russia*
“MEETING THE WORLD'S ENERGY NEEDS IN THE 21ST CENTURY” (**Speech**)

MERCOLEDI' 14 NOVEMBRE

9.00/10.30 **WEC SESSION**

WEC Committee on Energy Efficiency Policies & Indicators - "Energy Efficiency: Great Expectations"

- **Michèle Pappalardo** President, ADEME, France, **Moderator**
"ENERGY EFFICIENCY POLICY IN FRANCE : THE EXPERIENCE IN BUILDINGS" (**Presentation**)
- **Bruno Lapillonne** Director, ENERDATA, France
"ENERGY EFFICIENCY POLICIES AROUND THE WORLD: REVIEW AND EVALUATION" (**Presentation**)

9.00/10.30 **DISCUSSION SESSION 4 - (6 parallel Conferences)**

4.1 TECHNOLOGIES FOR DEVELOPING COUNTRIES

- **Mr Joergen Brandett**, *Director Business Development Alstom (Switzerland) Ltd* "ENVIRONMENTALLY SUSTAINABLE SOLUTION FOR A GAS TURBINE UPGRADE CLEAN DEVELOPMENT MECHANISM APPLICATION IN A NON-ANNEX I COUNTRY" - (**Abstract**)
- **Dr Isabel Cabrita**, *Director INETI, Portugal*
"THE NEED TO BRIDGE THE GAP BETWEEN SCIENCE AND TECHNOLOGY IN ENERGY FOR A SUSTAINABLE FUTURE" - (**Abstract**)
- **Mr Michael Proffitt**, *Chief Executive Officer Renewable Energy Holdings Plc, United Kingdom*
"THE 'CETO' WAVE POWER GENERATION DEVICES" – (**Paper**)
- **Dr Michael Suess**, *Group Executive Vice President Siemens AG / Power Generation* "NEW POWER GENERATION TECHNOLOGIES PAVE THE WAY FOR GROWTH AND ENVIRONMENTAL PROTECTION" (**Paper & Presentation**)

4.2 ENERGY EFFICIENCY FOR DEVELOPMENT AND WELFARE

- **Dr Rade Ciric**, *Deputy Secretary For Science And Technological Development Executive Council Of Autonomous Province Of Vojvodina, Serbia & Montenegro*
"PROSPECTS OF ENERGY EFFICIENCY IMPROVEMENT AND DEVELOPMENT OF THE RENEWABLE ENERGY SOURCES IN PROVINCE OF VOJVODINA" (**Paper & Presentation**)
- **Dr Sven Werner**, *Research Chalmers Univ Of Technology, Sweden*
"BENEFITS WITH MORE DISTRICT HEATING AND COOLING IN EUROPE" (**Paper**)
- **Mr G.B Zorzoli**, *ACEA, Italy*
"THE ROLE OF AN ELECTRICITY DISTRIBUTOR AS A PROMOTER OF ENERGY EFFICIENCY" (**Paper**)
- **Mr Alexandre Rojey**, *Director Sustainable Development IFP, France*
"HOW CAN WE ENSURE THE ENERGY TRANSITION?" (**Paper & Presentation**)

4.3 CHINA & INDIA: DEFINING THE GLOBAL ENERGY PRIORITIES

- **Mr Antonio Capozza**, *Project Manager CESI RICERCA, Italy*
“MARKET INSTRUMENTS BASED ON WHITE CERTIFICATES: A REVIEW OF INTERNATIONAL EXPERIENCES”
(**Paper**)
- **Mr K. M. Gupta**, *Engineering Consultants Crux Consultants Pvt. Ltd, India*
“RENEWABLE ENERGY DEVELOPMENT IN INDIA” (**Paper**)
- **Mr Michel Moliere**, *Principal Engineer GE Energy Europe, United States*
“EMERGING CHANGES IN THE WORLDWIDE POWER SECTOR: THE ASSETS OF THERMAL POWER” (**Paper**)
- **Mr Hisao Watanabe**, *Executive Officer General Manager Technology Planning Dept, Tokyo Gas Co.,Ltd, Japan*
“COMMERCIALIZATION OF RESIDENTIAL FUEL CELL SYSTEMS AT TOKYO GAS” (**Presentation**)

4.4 GLOBAL ENVIRONMENTAL CONCERNS FROM THE DC PERSPECTIVE

- **Dr Ryoichi Komiyama**, *Economist The Institute Of Energy Economics, Japan*
“ASIA ENERGY OUTLOOK TO 2030: IMPACTS OF ENERGY OUTLOOK IN CHINA AND INDIA ON THE WORLD”
(**Paper & Presentation**)
- **Prof Anjaneyulu Krothapalli**, *Professor Florida State University, United States*
“MULTI-GENERATION CONCENTRATING SOLAR-HYDROGEN POWER SYSTEM FOR SUSTAINABLE RURAL DEVELOPMENT” (**Paper**)
- **Dr Irene Freudenschuss-Reichl**, *Diplomat Ministry For Foreign Affairs Of Austria*
“DOES ENERGY FOR THE SUSTAINABLE DEVELOPMENT OF THE WORLD'S POOR STAND A FIGHTING CHANCE ?” (**Paper & Presentation**)
- **Dr Nuray Tokgöz**, *Research Assistant Istanbul University, Faculty Of Engineering, Mining Engineering Department, Turkey*
“A NUMERICAL ANALYSIS OF WORLDWIDE AND TURKEY CO2 EMISSIONS BASED ON FOSSIL FUELS AND EFFECTS OF THE EMISSION ON ATMOSPHERIC WARMING IN TURKEY” (**Paper**)

4.5 INCENTIVES FOR GRID CONNECTION

- **Ms Francesca Varisco**, *Communication ABB. Switzerland*
“VISION FOR A SELF-HEALING POWER GRID” (**Paper**)
- **Mr Gregor Omahen**, *Researcher EIMV, Slovenia*
“TECHNICAL OPTIONS AND ECONOMIC INCENTIVES FOR INVESTMENTS IN POWER TRANSMISSION SYSTEM IN SLOVENIA” (**Paper & Presentation**)
- **Dr Leonardo Meeus**, *Scientific Coordinator University Of Leuven Energy Institute, Belgium*
“POWER SYSTEM INVESTMENT INCENTIVES IN A MARKET ENVIRONMENT” (**Paper**)
- **Dr Wang Jing**, *Staff CNOOC Oil Base Group, China*
“POLICY INCENTIVES AND GRID-CONNECTED PHOTOVOLTAICS SYSTEM DEVELOPMENT IN CHINA” (**Paper**)

4.6 RENEWABLE ENERGY TECHNOLOGIES - PICKING THE WINNERS

- **Prof Asghar Rahimi**, *Professor Ferdowsi Univ. Of Mashhad, Iran*
“A NEW APPROACH IN PRELIMINARY DESIGN OF CLOSED LOOP SOLAR THERMAL SYSTEMS” (**Paper**)
- **Mrs Francesca Gostinelli**, *Regulatory Affairs Endesa, Italy*
“ANALYSIS OF REGISTERED CDM PROJECTS: POTENTIAL REMOVAL OF EVIDENCED BOTTLENECKS”
(**Paper**)
- **Dr Alberto Elizalde-Baltierra**, *Analyst Petróleos Mexicanos, Mexico*
“STRATEGIES OF DIVERSIFICATION IN REGULATED ENERGY MARKETS: THE NATURAL GAS AND ELECTRIC POWER INDUSTRIES IN MEXICO” (**Paper**)
- **Dr Gioia Falcone**, *Assistant Professor Texas A&M University, United States*
“LETTING OFF STEAM AND GETTING INTO HOT WATER – HARNESSING THE GEOTHERMAL ENERGY POTENTIAL OF HEAVY OIL RESERVOIRS” (**Paper & Presentation**)

9.00/10.30

Youth Programme

“Energy And Environment: Looking For The Right Synergy”

- **Marzio Galeotti**, *Professor of Economics, Università degli Studi di Milano*
“ENERGY AND THE ENVIRONMENT: LOOKING FOR THE RIGHT SYNERGY” (**Presentation 1 & Presentation 2**)

11.00/11.30

Special Address

- **Dr. Uriel Sharef** *Member of the Corporate Executive Committee Siemens AG*
“WHERE THE ASIAN GIANTS WILL GET THE ELECTRICITY THEY NEED?” - (**Speech**)

11.30/12.00

LOOKING AHEAD

“IEA World Energy Outlook 2007 – China and India Insights”

- **Nobuo Tanaka** *Executive Director, International Energy Agency – (Presentation)*

17.00/18.30

Special Session

Eni: “Natural gas flows to an increasingly “gas-thirsty” Europe: does the growing reliance on traditional suppliers lessen the need for diversified sources of supply?” (registration’s transcription)

- **Jonathan Stern** *Director of Gas Research, Oxford Institute for Energy Studies, Moderator*
- **Abdulla bin Hamad Al-Attiyah** *Minister of Energy and Industry, Qatar*
- **Shokri Ghanem** *Secretary of People’s Committee, National Oil Corporation, Libya*
- **Sauat Mynbayev** *Minister of Energy and Natural Resources, Kazakhstan*
- **Viktor Khristenko** *Minister of Energy, Russian Federation*

17.00/18.30

DISCUSSION SESSION 5 - (6 parallel Conferences)

5.1 MARKET AND ITS LIMITATIONS IN THE DEVELOPING WORLD

- **Dr Laurens De Vries**, *Assistant Professor Delft University Of Technology, Netherlands*
“DESIGN CHOICES FOR ELECTRICITY MARKETS” (**Paper**)
- **Mr Klaus Voges**
“CLIMATE CHANGE MITIGATION TECHNOLOGIES - THE SIEMENS ROADMAP TO CARBON CAPTURE AND STORAGE” (**Paper**)
- **Mr José Ricardo Uchôa Cavalcanti Almeida**, *Marketing Coordinator Petrobras, Brazil*
“THE IMPORTANCE OF FLEXIBILITY IN SUPPLY AND DEMAND IN THE NATURAL GAS MARKET – THE BRAZILIAN CASE” (**Paper & Presentation**)
- **Dr Anoop Singh**, *Academic Indian Institute Of Technology Kanpur, India*
“PRIVATE INVESTMENT IN POWER SECTOR IN DEVELOPING COUNTRIES: LESSONS FROM REFORMS IN ASIAN AND LATIN AMERICAN COUNTRIES” (**Paper**)

5.2 HOW TO DEFINE ENERGY PRIORITIES

- **Mr Alberto Nuñez**, *Director Of Strategy Gas Natural SDG, Spain*
“LIBERALISATION OF THE ELECTRICITY SECTOR IN THE EUROPEAN UNION: PRESENT STATE AND SOME OPEN QUESTIONS” (**Presentation**)

- **Mr Dimcho Kanev**, *Electricity Forecasting And Long Term Planning Of The Power Sector Development National Electricity Company, Bulgaria*
“FORECAST FOR THE DEVELOPMENT OF THE TOTAL ENERGY BALANCE IN BULGARIA TILL 2025” (**Paper & Presentation**)
- **Mr Djordje Žebeljan**, *Executive Manager For R&D, HOLDING SLOVENSKE ELEKTRARNE D.O.O., Slovenia*
“DIVERSIFICATION OF THE ENERGY MIX AND RENEWABLE ENERGY SOURCES IN SLOVENIA FOR ENSURING SUSTAINABLE, COMPETITIVE AND SECURE ENERGY IN THE FUTURE” (**Paper**)

5.3 SOCIAL ASPECTS OF ENERGY IN DCS

- **Mr Fredrick Whitaker**, *Chief Of Party, Liberia International Resources Group, United States*
“LET THERE BE LIGHT: THE ROLE OF ELECTRIFICATION IN LIBERIA'S POST-CONFLICT STABILIZATION” (**Paper & Presentation**)
- **Ms Daniela Melandri**, *Engineering And Architecture Energia -Da S.R.L, Italy*
“ENERGETIC OPTIMIZATION AS A RESULT OF IMPROVEMENT FOR SOCIAL COMFORT: INTERNATIONAL EXAMPLES” (**Paper**)
- **Dr Babu Ram**, *Principal Power Engineer African Development Bank, Tunisia*
“AFRICA'S INTRA-REGIONAL, INTER-REGIONAL AND INTERCONTINENTAL ELECTRICITY TRADE-TECHNO-POLITICO-ECONOMIC CONSIDERATIONS AND FUTURE PROSPECTS” (**Paper & Presentation**)
- **Mr Harbans L Bajaj**, *Member Technical Appellate Tribunal For Electricity, India*
“POWER SECTOR REFORMS IN INDIA” (**Paper & Presentation**)

5.4 PUBLIC PRIVATE PARTNERSHIPS

- **Mr Fabio Domanico**, *Collaborator Luiss Guido Carli University, Italy*
“CONCENTRATION IN THE EUROPEAN ELECTRICITY THE INTERNAL MARKET SOLUTION” (**Paper & Presentation**)
- **Prof. Anil Markandya**, *Director Sustainability And Valuation Programme Fondazione Eni Enrico Mattei, Italy*
“MARKET SIGNALS AND FUEL DEMAND IN RUSSIA” (**Paper**)
- **Mr Fabrizio Allegra**, *Head Of Gas Development Enel Trade, Italy*
“NORTH AFRICA - MEDITERRANEAN OPPORTUNITIES IN THE GAS MARKET” (**Presentation 1 & Presentation 2**)
- **Mr Charles Soothill**, *Senior Vice President (Technology) Alstom Power Systems, United Kingdom*
“THE FUTURE OF COAL POWER GENERATION IN A CARBON CONSTRAINED WORLD” (**Paper**)

5.5 HYDRO & NUCLEAR FOR ECONOMIC DEVELOPMENT

- **Mr Eero Patrakka**, *President Posiva Oy, Finland*
“TOWARDS IMPLEMENTATION OF SPENT NUCLEAR FUEL MANAGEMENT IN FINLAND” (**Paper**)
- **Mrs Jennifer Hay**, *Public Information Officer ITER Organization, France*
“THE ITER PROJECT — THE ROAD TO FUSION POWER” (**Paper**)
- **Mr Terry MOSS**
“HYDROPOWER'S CONTRIBUTION TO ENERGY SECURITY” (**Paper & Presentation**)
- **Mr Dilli Bahadur Singh**, *Engineering And Environmental Managemnt Department Of Electricity Development, Nepal*
“PUBLIC ACCEPTANCE FOR SUSTAINABLE POWER DEVELOPMENT: SHARING NEPALESE EXPERIENCE” (**Paper**)

5.6 ANY ALTERNATIVES TO COAL?

- **Mr Daniel Richard**, *Electricity Supply Director Hydro-Quebec, Canada*
"COMBINING THE POWER OF WIND AND WATER IN QUÉBEC" (**Paper**)
- **Dr Ashish Rana**, *Business Analysis Reliance Industries Ltd., India*
"FUTURE OF ENERGY OPTIONS FOR INDIA IN AN INTERDEPENDENT WORLD" (**Paper**)
- **Mr Rolf Grünbaum**, *Marketing ABB Power Technologies AB, Sweden*
"FACTS FOR GRID INTEGRATION OF LARGE OFFSHORE WIND FARMS BY MEANS OF AC" (**Paper & Presentation**)
- **Prof Dietmar Retzmann**, *Siemens TOP Innovator, Director Siemens*
"PROSPECTS OF SMART GRID TECHNOLOGIES FOR A SUSTAINABLE AND SECURE POWER SUPPLY" (**Paper**)

17:00/19:00

WEC SESSION

WEC Regional Work Programme "Regional Studies and Projects"

- AFRICA - "WEC REGIONAL WORK PROGRAMME – AFRICA REGION"
MR. Elías Velasco, WEC Vice Chair
"GRAND INGA PROJECT" (**Presentation**)
- LAC
Norberto Medeiros Regional Vice Chair for Latin America & the Caribbean, Brazil
"2005 – 2007 REGIONAL ACTION PLAN IN LATIN AMERICA & CARIBBEAN" (**Presentation**)
- ASIA
David Younghoon Kim Chairman & CEO, Daesung Group, Rep. of Korea
"WEC PPP CASE STUDIES FOR ASIA PACIFIC AND S. ASIA" (**Presentation**)
- EUROPA
Johannes Teyssen, Vice-chair WEC Europe
"THE FUTURE ROLE OF NUCLEAR POWER IN EUROPE" (**Presentation**)
"EUROPE'S VULNERABILITIES TO ENERGY CRISIS " (Presentation)

GIOVEDÌ 15 NOVEMBRE

9.00/10.30

DISCUSSION SESSION 6 - (6 parallel Conferences)

6.1 GEOPOLITICS OF CLIMATE CHANGE

- **Mr Janusz Rakowski**, *Research Fellow C/O Instytut Energetyki, Poland*
"CO2 CAPTURE TECHNOLOGIES. CONCLUSIONS FOR POLAND" (**Paper**)
- **Prof Lars Stromberg**, *Vice President R&D Vattenfall AB, Sweden*
"THE ZERO EMISSION FOSSIL FUEL POWER PLANT – FROM VISION TO REALITY" (**Paper**)
- **Mr Massimo Tavoni**, *Researcher FEEM, Italy*
"THE WITCH MODEL. STRUCTURE, BASELINE, SOLUTIONS" (**Paper**)

6.2 TECHNOLOGY TRANSFER: INCENTIVES AND BARRIERS

- **Mr Jean-Paul Bouttes**, *Executive Vice-President EDF, France*
"THE NUCLEAR REVIVAL - A EUROPEAN AND US PERSPECTIVE" (**Paper**)
- **Mr Keiji Makino**, *Executive Chief Engineer Power Plant Division, IHI Corporation, Japan*

“DEMONSTRATION PROJECT : OXY-FUEL COMBUSTION AT CALLIDE-A PLANT” (**Paper**)

- **Dr Kamil Tucek**, *Nuclear Engineer European Commission, Netherlands*

“SYNERGY BETWEEN FAST REACTORS AND THERMAL BREEDERS FOR SAFE, CLEAN, AND SUSTAINABLE NUCLEAR POWER” (**Paper**)

6.3 DEVELOPING A COMMON ENVIRONMENTAL VISION

- **Dr Greg Lavery**, *Booz Allen Hamilton, Australia*

“GOING GREEN: THE BUSINESS CASE FOR GREENING YOUR ENERGY COMPANY” (Paper)

- **Dr Valentina Bosetti**, *Senior Researcher FEEM, Italy*

“ABATEMENT COST UNCERTAINTY AND POLICY INSTRUMENT SELECTION. A DYNAMIC ANALYSIS” (**Paper**)

- **Miss Maher Aziz Bedrous**, *Head Of Environmental Management And Studies Sector Egyptian Electricity Holding Company, Egypt*

“HYDRO AND NUCLEAR POWER FOR AFRICAN LESS-CARBON DEVELOPMENT” (**Paper & Presentation**)

6.4 BUSINESS CASE FOR GOING GREEN

- **Mr Matthew T. Hastings**, *Director Edison Electric Institute, United States*

“EXPENSIVE, FRUSTRATING AND PERILOUS: LESSONS LEARNED FROM CHARTING NEW WATERS IN LIBERALIZED MARKETS” (**Paper**)

- **Mr Comin Gianluca**, *Director Communication Enel, Italy*

“PIONEERING CORPORATE RESPONSIBILITY IN ITALY THE ENEL EXPERIENCE” (**Paper**)

- **Mr Geoff Ogram**, *Vice President, Asset Management Hydro One Networks Inc.*

“MARKET MYTHS AND FACTS - THE ONTARIO CONTEXT” (**Paper**)

6.5 ENERGY EFFICIENCY - THE WAY FORWARD

- **Mr Ricardo Castello Branco**, *General Manager Petrobras, Brazil*

“TECHNOLOGICAL DEVELOPMENT IN CARBON SEQUESTRATION AT PETROBRAS” (**Paper & Presentation**)

- **Mrs Anuška Bole**, *Researcher Elektroinstitut Milan Vidmar, Slovenia*

“ENERGETICS AND CCS IN SLOVENIA” (**Paper**)

- **Mr Justin (Judd) Swift**, *Political U.S. DOE, United States*

“ADVANCED ENERGY TECHNOLOGIES CAN RESOLVE THE ENVIRONMENTAL, SUPPLY, AND RELIABILITY CONSTRAINTS OF PRODUCING AND USING FOSSIL FUELS” (**Paper**)

6.6 NUCLEAR: FIT FOR THE FUTURE?

- **Dr Evgeni Muraviev**, *System Analyst NIKIET, Russia*

“VISION OF NUCLEAR POWER OPTIONS FOR XXI CENTURY E. ADAMOV, E. MURAVIEV, V. ORLOV N.A. DOLLEZHAL RESEARCH AND DESIGN INSTITUTE OF POWER ENGINEERING, RUSSIA” (**Paper & Presentation**)

- **Dr Miroslaw Duda**, *Adviser To The Managing Board Energy Market Agency*

“WHY SHOULD POLAND GO NUCLEAR?” (**Paper**)

- **Dr Scott Demuth**, *Staff Member Los Alamos National Laboratory, United States*

“INCREASED PROLIFERATION RESISTANCE FOR 21ST CENTURY NUCLEAR POWER LOS ALAMOS NATIONAL LABORATORY” (**Paper & Presentation**)

09:00 / 10:30

Special Session

Enel: “Architectures for Agreement: Climate change policy post 2012”

- **Fatih Birol**, *Chief Economist and Head of Economic Analysis Division IEA*

“WORLD ENERGY OUTLOOK 2007: CHINA AND INDIA INSIGHTS” (**Presentation**)

- **Carlo Carraro** *Chairman Department of Economics, University of Venice and Director Euro Mediterranean Centre on Climate Change*
“CLIMATE POLICY IN THE POST-KYOTO WORLD. INCENTIVES, INSTITUTIONS AND EQUITY” **(Presentation)**
- **Robert Stavins** *Director Harvard Environmental Economics Programme, JF Kennedy School of Government, Harvard University*
“BEYOND KYOTO: GETTING SERIOUS ABOUT GLOBAL CLIMATE CHANGE” **(Presentation)**
- **Halldor Thorgeirsson** *Director of Sustainable Development Mechanism Programme, UNFCCC*
“DESIGNING AND AGREEING ON A POST-2012 CLIMATE CHANGE REGIME” **(Presentation)**

9.00-10.30 Youth Programme

Energy In The Global Context: Global Challenges Towards A Sustainable Future

- **Robert C. Armstrong** *Chevron Professor of Chemical Engineering, MIT*
“ADDRESSING THE GLOBAL ENERGY CHALLENGE” **(Presentation)**
- **Bill Spence** *Vice President CO2, Shell International Renewables*
“MEETING THE ENERGY CHALLENGE” **(Presentation)**

14.00/14.30 Special Address

Fulvio Conti *CEO & General Manager, Enel*

“WILL EUROPEAN ENERGY POLICY ACHIEVE A TRULY LIBERALISED, RECIPROCAL ELECTRICITY MARKET IN THE NEXT DECADE? – **(Speech)**”

14.30/14.45 **Massimo D'Alema** *Minister of Foreign Affairs - (Speech)*

14.45/15.15 Keynote Address

Pascal Lamy *Director General, World Trade Organization*

“ENERGY TRADE IN THE WTO” - **(Speech)**

17.00/19.00 FINAL SESSION

- ❖ **Global Energy Award** – *Dr Hisham Khatib (Jordan) - (Speech)*
- ❖ **Youth Declaration**
- ❖ **Congress Statement**
Pierre Gadonneix *Chairman & CEO, EDF France (English version; French version; Italian version)*

20° Congresso Mondiale dell'Energia

11-15 novembre 2007

Nuova Fiera di Roma

POSTERS

- **Baroudi Roudi** “ENERGY FOR GROWTH AND POVERTY REDUCTION”
- **Bartolini Leonardo - Technip** “ORYX GTL PLANT THE START OF A NEW INDUSTRY”
- **Bertini Ilaria – ENEA** “THE EVOLUTIONARY CONTROL FOR DYNAMICAL OPTIMISATION OF DISTRIBUTED ENERGY NETWORKS”
- **Bima Carlo – Ansaldo Energia & Elsig Datamat** “THE IMPORTANCE OF AN INTEGRATED APPROACH TO POWER PLANT SECURITY”
- **Biondo M. – Ansaldo Energia** “MAINTENANCE MANAGEMENT THE REMOTE ASSISTANCE AT POWER PLANTS”
- **Bonzani Federico– Ansaldo Energia** “ANSALDO ENERGIA EXPERIENCE WITH LOW BTU GAS”
- **Bracchetti Francesca - Enel** “UNDERSTANDING ENERGY THROUGH SCIENCE”
- **Brent Alan Colin - CSIR** “EVALUATING THE ACHIEVABLE OF EXTENDING TECHNOLOGIES FOR UNECONOMICAL COAL RESOURCES IN SOUTH AFRICA”
- **Cresta Gabriele – Ansaldo Energia** “ROTOR GENERATORS BALANCING AND DIAGNOSTIC OVER SPEED FACILITY”
- **Dal mut Giorgio – Ansaldo Energia** “TRENDS IN INSULATION SYSTEMS FOR LARGE TURBO GENERATORS”
- **Dhodapkar Prashant – Oil India Limited** “TECHNOLOGY FORESIGHT AS A TOOL TO ADDRESS GLOBAL ENERGY CONCERNS”
- **Di Carpegna Giuseppe – Desmet Ballestra** “THE LEADING CONTINUOUS PROCESS FOR COST EFFECTIVE BIO DIESEL PRODUCTION”
- **Di Pasquale Luigi – Ansaldo Energia** “DESIGN DEVELOPMENT AND OPERATING EXPERIENCE FOR ANSALDO ENERGIA V94.3A GAS TURBINE”
- **Eamyanyao Boontan – EGAT** “THE FIRST INCINERATION OF BOILER CHEMICAL CLEANING WASTE AT MAE MOH LIGNITE-FIRED POWER
- **EDF** “NUCLEAR R&D AND TECHNOLOGY TRANSFER” (**Slides & Video**)
- **Gamba Monica e Mara Mosconi – Altran** “Short Term Hydro Scheduling in Competitive Power Market”
- **Girardi Giuseppe e Mongibello -ENEA** “FLAMELESS COMBUSTION OF WASTE FUEL IN A WELL STIRRED REACTOR”
- **GME** “THE ROLE OF THE ITALIAN POWER EXCHANGE”
- **Gobbo Paolo– Ansaldo Energia** “HIGH FLEXIBILITY SYNGAS BURNER FOR IGCC POWER PLANT ANSALDO ENERGIA EXPERIENCE”

- **Gomez Gotor Antonio- Universidad de Las Palmas de Gran Canaria** “PLANNING FOR THE IMPLEMENTATION OF THE HYDROGEN ECONOMY IN THE MACARONESIA STATIONAR”
- **Grubel Holger – VATTENFALL** ”HYDROGEN - CLEAN FUEL FOR TRANSPORTATION”
- **Howard Wetston – Ontario Energy Board** “FORBEARANCE REGULATION AND MARKET POWER IN NATURAL GAS STORAGE THE CASE OF ONTARIO”
- **Joerg Asmussen and Kristine Andersen – SEABASED/UPPSALA UNIVERSITET/VATTENFALL** “ENERGY FROM THE OCEAN” (Slides & Video)
- **Kaspareck Federico** “GAS TO EUROPE - INTERCONNECTIONS AND SUPPLIERS 2006 2007”
- **Khadidja Bentounes - SONEGAS** “FOR A SUSTAINABLE DEVELOPMENT OF ENERGY PRODUCTION IN ALGERIA”
- **Lee Seong Kon - KIER** “A STUDY ON THE PRESENT STATUS OF R&D SECTORS AND A STRATEGIC APPROACH FOR WELL FOCUSED R&D IN CASE OF KIER”
- **Lionetti Mario – Ministry for the Environment Land and Sea of the Republic of Italy** “RESEARCH AND DEVELOPMENT PROJECTS ON INNOVATIVE SOLAR ENERGY TECHNOLOGIES”
- **Lochner e Bothe David – Institute of Energy Economics University of Cologne** “AN ANALYSIS TOOL OF T.I.G.E.R.”
- **Lodi Cristiane – PETROBRAS/ Rede GasEnergia** “NATURAL GAS IN INDUSTRY- A STRATEGY FOR TECHNOLOGICAL DEVELOPMENT FOR BRAZIL”
- **Mattiazzo Giuliana – Politecnico di Torino** “MATHEMATICAL MODEL OF I.S.W.G., A ENERGY CONVERTER FROM SEA WAVES”
- **May Frank – VATTENFALL** “CO₂-NEUTRAL PRODUCTION WITH ALTERNATIVE FUELS”
- **Møller Jensen Niels – VATTENFALL** “OFFSHORE WIND:EXPERIENCE AND FUTURE DEVELOPMENT”
- **Moreno Anna e Sergio Grande - ENEA** “DESIRE-NET DEVELOPMENT AND SUSTAINABILITY WITH INTERNATIONAL RENEWABLE ENEL”
- **Morese Maria Michela - GBEP** “THE GLOBAL BIOENERGY PARTNERSHIP “WORKING TOGETHER TO PROMOTE BIOENERGY FOR SUSTAIN”
- **Morris Leslie e Robert Gentile - LTI** “SMALL SYSTEMS ENERGY PLANNING MODEL”
- **Nacera Mezouani – Sonelgaz Algeria** ”DISTRIBUTION PUBLIQUE DU GAZ EN ALGERIE ET DEVELOPPEMENT DURABLE”
- **Núñez Mc Leod Jorge - Universidad Nacional de Cuyo** “BIOENERGY PROGRAM - AN INTEGRAL APPROACH FOR CENTER-WEST ANDEAN REGION IN ARGENTINA”
- **Pratola Federica – Ansaldo Ricerche** “DC DISTRIBUTION SYSTEM BASED UPON SOLID STATE SWITCHGEARS”
- **Sakurai Norihisa – OECD** “CO₂ EMBODIMENTS IN INTERNATIONAL TRADE EMPIRICAL EVIDENCES AND IMPLICATIONS WITH THE OE”
- **Schnauss Andreas - VATTENFALL** “MODERN COMBINED HEAT AND POWER PRODUCTION (CHP)”
- **Schneider Stephanie – Gaz de France** “BRINGING LNG TO INDIA AN EXAMPLE OF SUSTAINABLE INTERNATIONAL COOPERATION”

- **Takahashi – NGH Japan Co. Ltd.** “DEVELOPMENT OF NATURAL GAS HYDRATE TRANSPORT SYSTEM FOR SMALL TO MEDIUM GAS MARKET”
- **Tanetsakunvatana Vicharn** EFFECTS OF OPERATING CONDITION ON THERMAL EFFICIENCY AND EMISSION PERFORMANCE OF UTILITY BOILERS FIRING LIGNITE” (**Slides & Video**)
- **Technip**
- **Torre Alberto - Ansaldo Energia & FINMECCANICA** “Advanced steam turbine design for USC coal fired power plants applications”
- **Valfells Agust** “DISPOSAL OF RADIOACTIVE WASTE IN PERMANENT ICEFIELDS”

ALTRI VIDEO

- **EDF**
- **ENEL**

