

10th IAEE EUROPEAN CONFERENCE



INTERNATIONAL
ASSOCIATION *for*
ENERGY ECONOMICS

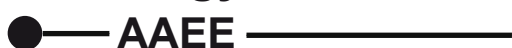
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7-10 September 2009 in Vienna, Austria

Energy, Policies and Technologies for Sustainable Economies

Conference Programme

**Austrian Association
for Energy Economics**



PROGRAMME OVERVIEW

Monday 07.09.2009

09:00-17:00	IAEF Council Meeting - by Invitation
17:30-20:00	Registration
18:00-20:00	Welcome Reception at Hofburg Congress Centre
20:00-22:00	Student Reception in Museumsquartier - by Invitation

Tuesday 08.09.2009

07:30-08:30	Vilnius Conference Planning Meeting - by Invitation
08:00-08:50	Student Breakfast Meeting
08:30	Registration
09:00-11:00	Opening Plenary Session
11:00-11:30	Coffee break
11:30-13:00	Dual Plenary Sessions
13:00-14:30	Lunch break
14:30-16:15	Parallel Sessions
16:15-16:45	Coffee break
16:45-18:30	Parallel Sessions
20:00-23:00	Gala Dinner at Schloß Schönbrunn (Admission 19:45)

Wednesday 09.09.2009

08:30-09:45	Parallel Sessions
09:45-10:15	Coffee break
10:15-12:00	Parallel Sessions
12:00-13:30	Dual Plenary Sessions
13:30-15:00	Lunch break
15:00-16:30	Dual Plenary Sessions
16:30-17:00	Coffee break
17:00-18:45	Parallel Sessions
19:30-22:30	Reception at Museumsquartier (Admission 19:15)

Thursday 10.09.2009

07:30-08:30	Rio 2010 Conference Planning Meeting - by Invitation
08:30-10:15	Parallel Sessions
10:15-10:45	Coffee break
10:45-12:15	Dual Plenary Sessions
12:15-13:45	Lunch break
13:45-15:30	Parallel Sessions
15:30-17:00	Closing Plenary Session

Parallel Session Guide

	I- Renewables	II- Bioenergy/ Transport/ Supply-Security	III- Electricity Grids	IV- Energy Efficiency	V- Fossil Fuels	VI- Electricity	VII- Investments	VIII- Climate Change
	Zeremoniensaal	Radetzky APP. III	Künstlerzimmer	Maria Theresien APP. I	Radetzky APP. I	Geheime Ratsstube	Trabantenstube	Rittersaal
Tuesday 14:30 – 16:15	IAEE Best Student Paper Award Competition	Bioenergy and Biofuels I	Special session: Large and optimal Integration of RES	Energy efficiency I	Oil and gas industry I	Electricity markets I	Energy investment and risk	Carbon trading modelling
Tuesday 16:45 – 18:30	Renewables: Support schemes I	Bioenergy and Biofuels II	Special session: Susplan & Realisegrid	Energy efficiency policies I	Future prospects of oil and gas production	Electricity markets II	Investment decision in generation technologies I	Future prospects and modelling of carbon trading
Wednesday 08:30-09:45	Energy policies I	Biofuels	Electricity transmission: Investment and regulation	Energy efficiency policies II	Oil price and economy	Electricity market modelling I	Investment decision in generation technologies II	Climate change and low carbon options
Wednesday 10:15 – 12:00	Energy policies II	Fuels and mobility	Transmission networks and balancing markets	Energy efficiency and technological learning	Oil market modelling I	Electricity market modelling II	Investment decision in generation technologies III	Climate change policies
Wednesday 17:00 – 18:45	Renewables: Long term	Supply security I	DSM, DG and cost allocation	Energy efficiency II	Oil market modelling II	Electricity market modelling III	Local case studies	Towards sustainability I
Thursday 08:30 – 10:15	Country studies	Supply security II	Energy demand II	Energy demand I	Oil and gas industry II	Price volatility modelling	Coal and nuclear generation technologies	Towards sustainability II
Thursday 13:45 – 15:30	Renewable case and country studies	Renewables: Case studies	Gas and coal market modelling	Urban and rural energy use	Oil and gas industry III	Wind power and electricity markets	Technological learning	Heating

FLOOR PLAN



Draft Session Schedule

Monday 07.09.2009

09:00-17:00	IAEE Council Meeting - by Invitation (<i>Maria Theresien Apartment 1</i>)
18:00-20:00	Welcome Reception
18:00-20:00	Registration
20:00-22:00	Student Reception in Museumsquartier - by invitation

Tuesday 08.09.2009

07:30-08:30 Vilnius Conference Planning Meeting - by Invitation (*Künstlerzimmer*)

08:00-08:50 Student Breakfast Meeting (*Wintergarten*)

08:30 Registration

09:00-11:00: Opening Plenary Session – Zeremoniensaal

„ENERGY AND THE CURRENT CRISIS“

CHAIR: Reinhard HAAS (AAEE, Vienna University of Technology)

Welcome:

- Hans AUER (AAEE, Vienna University of Technology)
- Michael PAULA (Austrian Ministry of Transport, Innovation and Technology)
- Sabine SEIDLER (Vice-rector, Vienna University of Technology)

Key-note presentations:

“ENERGY, SPECULATION & THE FINANCIAL CRISIS”

- Fatih BIROL (Chief Economist of the IEA)
- Georg ERDMANN (President of the IAEE, Technical University of Berlin)

11:00-11:30 COFFEE BREAK

10th IAAE European Conference

Energy, Policies and Technologies for Sustainable Economies

11:30-13:00: Dual Plenary I A - Zeremoniensaal

**“WHAT DRIVES THE OIL PRICE UP AND DOWN? DEMAND,
PHYSICAL LIMITS AND/OR SPECULATION?”**

CHAIR: Mine K. YÜCEL (USAAE)

- Reinhard HAAS (Vienna University of Technology)
- Joseph M. DUKERT (Energy Analyst, USAAE President)
- Behrooz ABDOLVAND (Free University of Berlin, Germany)

11:30-13:00: Dual Plenary I B – Rittersaal

**“DRIVE INNOVATIONS AND TECHNICAL EFFICIENCY
IMPROVEMENTS ENERGY CONSUMPTION UP OR DOWN?”**

CHAIR: Lukas KRANZL (Vienna University of Technology)

- Joachim SCHLEICH (ISI, Fraunhofer Institute of Systems and Innovation Research)
- Christian von HIRSCHHAUSEN (Dresden University of Technology)
- Reinhard MADLENER (RWTH Aachen University)

13:00-14:30 LUNCH BREAK

14:30-16:15 Parallel Session 1

**Session 1-I: IAAE BEST STUDENT PAPER AWARD COMPETITION –
ZEREMONIENSAAL | TUESDAY | 14:30-16:15**

- Zafer DILAVER (UNIVERSITY OF SURREY): **RESIDENTIAL ELECTRICITY DEMAND OF TURKEY: A STRUCTURAL TIME SERIES ANALYSIS**
- Daniela FLORO (UNIVERSITY OF WARWICK, UNIVERSITY OF MILAN): **SELECTING STATIC OLIGOPOLISTIC MODELS IN THE ITALIAN WHOLESALE ELECTRICITY MARKET**
- Aurélie MÉJEAN (UNIVERSITY OF CAMBRIDGE): **MODELLING THE COST OF BIOFUELS: A CASE STUDY OF U.S. CORN AND BRAZILIAN SUGAR CANE**
- Claudia D. ARAVENA NOVIELLI (QUEENS UNIVERSITY BELFAST): **SHOULD CHILE USE RENEWABLES, FOSSIL FUEL OR HYDROPOWER FOR FUTURE ELECTRICITY SUPPLY?**
- Clara Ines PARDO MARTINEZ (UNIVERSITY OF WUPPERTAL, UNIVERSITY OF LA SALLE): **ASSESSING OF ENERGY EFFICIENCY PERFORMANCE IN THE GERMAN AND COLOMBIAN FOOD INDUSTRY.**

Session 1-II: BIOENERGY AND BIOFUELS I –

Radetzky App. III | TUESDAY | 14:30-16:15

- Lukas KRANZL, Gerald KALT, Friedrich DIESENREITER (VIENNA UNIVERSITY OF TECHNOLOGY) ERWIN SCHMID, BERNHARD STÜRMER (UNIVERSITY OF NATURAL RESOURCES AND APPLIED LIFE SCIENCE): **DOES BIOENERGY CONTRIBUTE TO MORE STABLE ENERGY PRICES?**
- Gerald KALT, Lukas KRANZL, Reinhard HAAS (VIENNA UNIVERSITY OF TECHNOLOGY): **THE CONTRIBUTION OF BIOENERGY TO THE 2020-RES-TARGETS IN AUSTRIA AND OTHER CENTRAL EUROPEAN COUNTRIES**
- Attila J. KOVÁCS, Károly KACZ, Erika LAKATOS, Miklós Neményi (UNIVERSITY OF WEST HUNGARY): **DIFFERENCES IN RAW MATERIAL SOURCES FOR BIOFUEL PROCESSING**
- Witold-Roger POGANIETZ, Liselotte SCHEBEK (Forschungszentrum Karlsruhe): **ECONOMICS AND ENVIRONMENTAL IMPACTS OF LINGO-BIOETHANOL FUEL**
- Martina POESCHL, Shane WARD, Philip OWENDE (UNIVERSITY COLLEGE DUBLIN): **POLICY FRAMEWORK SUPPORTING THE DEPLOYMENT OF BIOGAS TECHNOLOGY IN GERMANY**

Session 1-III: Special Session: LARGE AND OPTIMAL INTEGRATION OF RES – Künstler Zimmer | TUESDAY | 14:30-16:15

- Poul Erik GROHNHEIT, Frits Møller ANDERSEN (RISØ DTU): **IS MORE THAN 25% WIND POWER FEASIBLE IN A REGIONAL ELECTRICITY MARKET?**
- L. Olmos, T. Gómez, E. Lobato, R. Cossent (COMILLAS UNIVERSITY): **POLICY AND REGULATORY CHANGES FOR NETWORKS (TSO&DSO) FOR THE INTEGRATION OF HIGH SHARES OF WIND, PV AND CHP IN THE SUPPLY**
- Frits Møller ANDERSEN, Poul Erik GROHNHEIT (RISØ DTU): **CUSTOMERS' RESPONSE TO ELECTRICITY PRICE VARIATIONS CAUSED BY INTERMITTENT GENERATION**
- Adriaan VAN DER WELLE, Jeroen de JOODE, Frits van OOSTVOOM (ECN): **REGULATORY ROADMAPS FOR LARGE-SCALE INTEGRATION OF ELECTRICITY FROM INTERMITTENT RESOURCES IN FIVE NATIONAL ELECTRICITY MARKETS**

Session 1-IV: ENERGY EFFICIENCY I –

Maria Theresien App.I | TUESDAY | 14:30-16:15

- Vanessa SCHWEIZER (CARNEGIE MELLON UNIVERSITY): **USEFUL PARSIMONIOUS LONG-TERM ENERGY PROJECTIONS IN THE FACE OF CLIMATE CHANGE**
- Michaela VALENTOVA, Jaroslav KNAPEK (CZECH TECHNICAL UNIVERSITY IN PRAGUE): **MYTHS AND FACTS ON STANDBY POWER ENERGY SAVING POTENTIAL – CZECH REPUBLIC CASE STUDY**
- Anke WEIDLICH, Stamatios KARNOUSKOS (SAP RESEARCH KARLSRUHE): **INTEGRATING SMART HOUSES WITH THE SMART GRID THROUGH WEB SERVICES FOR INCREASING ENERGY EFFICIENCY**
- Miklós NEMÉNYI, Gábor MILICS (UNIVERSITY OF WEST HUNGARY): **THERMODYNAMIC MODELLING OF AGRO-ECOLOGICAL SYSTEMS ESPECIALLY REGARDING THE COST AND EFFICIENCY OF THE TECHNOLOGICAL ENERGY INPUT**

Session 1-V: OIL AND GAS INDUSTRY I –

Radetzky App.I | TUESDAY | 14:30-16:15

- Clinton John LEVITT (COPENHAGEN BUSINESS SCHOOL): **LEARNING THROUGH OIL AND GAS EXPLORATION**
- Robert F. AGUILERA (UNIVERSITY OF VIENNA): **THE FUTURE OF EUROPEAN NATURAL GAS**
- Guillaume L'OEILLET (UNIVERSITY OF RENNES): **CRUDE OIL PRICES AND RETAIL PRICES: IS THERE AN ASYMMETRIC TRANSMISSION? APPLICATION FOR FRANCE AND GERMANY.**
- Leonardo SOBREIRA, Edmar L. F. ALMEIDA (FEDERAL UNIVERSITY OF RIO DE JANEIRO), Felipe A. DIAS (BRAZILIAN PETROLEUM INSTITUTE IBP): **THE CHANGING BRAZILIAN NATURAL GAS REGULATORY FRAMEWORK: A VETO PLAYER ANALYSIS**
- Susan L. SAKMAR (UNIVERSITY OF SAN FRANCISCO): **ENERGY AND THE ENVIRONMENT: ENVIRONMENTAL SUSTAINABILITY IN THE GAS PROCESSING INDUSTRY**

Session 1-VI: ELECTRICITY MARKETS I –

Geheime Ratstube | TUESDAY | 14:30-16:15

- Álvaro LÓPEZ-PEÑA, Efraim CENTENO, Julián BARQUÍN (INSTITUTO DE INVESTIGACIÓN TECNOLÓGICA): **LONG-TERM SECURITY OF SUPPLY AND STRATEGIC POLICIES IN LIBERALIZED ELECTRICITY SYSTEMS: CAPACITY PAYMENTS, CAPACITY MARKETS AND RENEWABLES PROMOTION MECHANISM**
- Stephen POLETTI (UNIVERSITY OF AUCKLAND), Julian WRIGHT (NATIONAL UNIVERSITY OF SINGAPORE): **MARKET POWER AND SECURITY OF SUPPLY IN ELECTRICITY MARKETS**
- Karim L. ANAYA (UNIVERSITY OF CAMBRIDGE): **THE RESTRUCTURING AND PRIVATISATION OF THE PERUVIAN ELECTRICITY DISTRIBUTION COMPANIES: A SOCIAL COST-BENEFIT ANALYSIS**
- Xavier LABANDEIRA (UNIVERSIDAD DE VIGO AND FEDEA), Liliana GELABERT (UNIVERSIDAD CARLOS III DE MADRID AND FEDEA), Pedro Linares (UNIVERSIDAD PONTIFICIA COMILLAS AND FEDEA): **RENEWABLE ENERGIES AND ELECTRICITY PRICES IN SPAIN**

Session 1-VII: ENERGY INVESTMENT AND RISK -

Trabantenstube | TUESDAY | 14:30-16:15

- Martin BENES, Oldrich STARY (CZECH TECHNICAL UNIVERSITY IN PRAGUE): **ECONOMIC RISK IN PPP ENERGY PROJECTS**
- Angelamaria GROPPi, Paola GARRONE (POLITECNICO DI MILANO): **LOCALLY-UNWANTED INVESTMENTS AND VOICE EFFECTS IN POWER GENERATION. AN EMPIRICAL ANALYSIS**
- Kristin LINNERUD, Torben K. MIDEKSA (CICERO), Gunnar S. ESKELAND (NHH): **CLIMATE CHANGE – THE ACHILLES HEEL OF THE THERMAL POWER INDUSTRY**

Session 1-VIII: CARBON TRADING MODELLING -

Rittersaal | TUESDAY | 14:30-16:15

- Don BREDIN, Cal MUCKLEY (UNIVERSITY COLLEGE OF DUBLIN): **ANALYSIS OF THE EU EMISSION TRADING SCHEME**
- Janina KETTERER, Marc GRONWALD (IFO INSTITUTE FOR ECONOMIC RESEARCH): **EVALUATING EMISSION TRADING AS A POLICY TOOL – EVIDENCE FROM CONDITIONAL JUMP MODELS**
- Julien CHEVALLIER (IMPERIAL COLLEGE LONDON), Yannick LE PEN (UNIVERSITY OF NANTES), Benoit SEVI (UNIVERSITY OF ANGERS): **OPTION TRADING, VOLATILITY AND EFFICIENCY IN THE EU ETS**
- Choelhung CHO, Shonali PACHAURI, Keywan RIAHI (IIASA), Tommi EKHOLM (VTT TECHNICAL RESEARCH CENTRE OF FINLAND): **FUTURE SCENARIOS FOR IMPROVING ACCESS TO MODERN ENERGY SERVICES IN INDIAN HOUSEHOLDS**

16:15-16:45

COFFEE BREAK

16:45-18:30

Parallel Session 2

Session 2-I: RENEWABLES: SUPPORT SCHEMES I -

Zeremoniensaal I TUESDAY I 16:45–18:30

- Christian PANZER, Gustav RESCH, Reinhard HAAS (VIENNA UNIVERSITY OF TECHNOLOGY), Thomas FABER, (ELEKTRIZITÄTS-GESELLSCHAFT LAUFENBURG AUSTRIA GMBH): **HOW TO EFFICIENTLY SUPPORT RENEWABLE ELECTRICITY – THE FUTURE TASK IN EUROPE**
- Stephanie ROPENUS, Stine GRENA JENSEN (DANISH ENERGY ASSOCIATION), RISØ NATIONAL (TECHNICAL UNIVERSITY OF DENMARK): **SUPPORT RACE AGAINST THE EUROPEAN RES TARGET**
- CECILIA P. ARAÚJO, CARLOS BATLLE, PABLO RODILLA (INSTITUTO DE INVESTIGACIÓN TECNOLÓGICA), LUIZ A. BARROSO (PSR, BRAZIL): **NATIONAL SUPPORT SCHEMES FOR RENEWABLE ENERGY SOURCES IN LATIN AMERICA. STATE OF THE ART, LESSONS LEARNED AND DESIGN CRITERIA**
- Guilherme DE BIASI, Carlos BATLLE, Pablo RODILLA (INSTITUTO DE INVESTIGACIÓN TECNOLÓGICA), Clara I. GONZÁLEZ (COMISIÓN NACIONAL DE ENERGÍA) : **A METHODOLOGY TO ALLOCATE THE COST OF NATIONAL SUPPORT SCHEMES FOR RENEWABLE AMONG FINAL ENERGY CONSUMERS**
- Jaroslav KNÁPEK , Jiří VAŠÍČEK (CTUIN PRAGUE): **RISK INCLUSION IN FEED-IN TARIFFS AND GREEN BONUSES CALCULATION**

Session 2-II: BIOFUELS -

Radetzky App.III I TUESDAY I 16:45–18:30

- Amela AJANOVIC, Reinhard HAAS (VIENNA UNIVERSITY OF TECHNOLOGY): **TRENDS IN MOTORIZED PASSENGER TRANSPORT IN EUROPEAN COUNTRIES – NO WAYS TOWARDS SUSTAINABILITY?**
- Felipe ANDRÉS TORO, Sandro FURLAN, Laurent COGERINO, Maria GRAHN, Hein DE WILDE, Ingo BUNZECK, Martine UYTERLINDE, Felix REITZE, Daniel ROSENDE, Laura QUANDT, (BSR SUSTAINABILITY GMBH, ENI CORPORATE UNIVERSITY, RHÔNALPÉNERGIE-ENVIRONNEMENT RAE, CHALMERS UNIVERSITY OF TECHNOLOGY, ENERGY RESEARCH CENTRE OF THE NETHERLANDS (ECN), UNIT POLICY STUDIES): **ALTERNATIVE FUELS AND ALTERNATIVE AUTOMOTIVE SYSTEMS POTENTIALS AND FUTURE PERSPECTIVES FOR EUROPE**
- Ingo BUNZECK, Martine UYTERLINDE, Hein DE WILDE (ENERGY RESEARCH CENTRE OF THE NETHERLANDS) **POLICY EFFECTIVENESS – HOW TO CHOOSE AND IMPLEMENT POLICIES THAT CAN HELP TO FACILITATE DEPLOYMENT OF SUSTAINABLE ROAD TRANSPORT TECHNOLOGIES**
- Maria MENDES DA FONSECA, Luís EDUARDO DUQUE DUTRA(BRAZILIAN NATIONAL PETROLEUM AGENCY): **EVALUATION OF THE EFFECTIVENESS OF BIOFUEL POLICIES IN SOUTH AMERICA**
- Sonia YEH (UNIVERSITY OF CALIFORNIA), Stephen R. KAFFKA, Joan M. OGDEN, Bryan M. JENKINS, Daniel A. SUMNER (UC DAVIS): **ANALYSIS OF SUSTAINABILITY STANDARDS AND THE APPLICABILITY TO THE CALIFORNIA LOW CARBON FUEL STANDARD**

Session 2-III: SPECIAL SESSION: SUSPLAN & REALISEGRID -

Künstlerzimmer | TUESDAY | 16:45–18:30

- Athanase VAFEAS, Serge GALANT, Tiziana PAGANO (TECHNOFI), Angelo L'ABBATE (ERSE), HÄGER Uif (TECHNISCHE UNIVERSITÄT DORTMUND), Gianluca FULLI, (JRC EUROPEAN COMMISSION): **A TECHNOLOGY RANKING METHODOLOGY FOR THE COST-BENEFIT ANALYSIS OF TRANSMISSION INVESTMENTS IN EUROPE**
- Angelo L'ABBATE, Gianluigi MIGLIAVACCA (ERSE), Gianluca FULLI, (JRC – EUROPEAN COMMISSION), Madeleine GIBESCU, Ana R CIUPULIGA., (TECHNISCHE UNIVERSITEIT DELFT): **TRANSMISSION PLANNING IN EUROPE: FROM CURRENT METHODOLOGIES TO A NEW SYSTEMIC APPROACH**
- Bjørn H. BAKKEN, Michael M. BELSNES (SINTEF ENERGY RESEARCH), Hans AUER (TU-WIEN): **A MODELLING APPROACH FOR MORE EFFICIENT INTEGRATION OF RENEWABLE ENERGY INTO FUTURE INFRASTRUCTURES**
- Bjørn H. BAKKEN, Nicolai FEILBERG Michael M. BELSNES (SINTEF ENERGY RESEARCH): **STOCHASTIC MODELLING OF ELECTRICITY MARKET PRICES IN EUROPE WITH LARGE SHARES OF RENEWABLE GENERATION**

Session 2-IV: ENERGY EFFICIENCY POLICIES I -

Maria Theresien App.I | TUESDAY | 16:45–18:30

- Louis-GAËTAN GIRAUDET, Dominique FINON (ENPC / CIRED): **THE EFFICIENCY OF WHITE CERTIFICATES SCHEMES: THE GODS ARE IN THE DETAILS**
- Ralf KUDER, Markus BLESL (INSTITUTE OF ENERGY ECONOMICS AND THE RATIONAL USE OF ENERGY): **EFFECTS OF A WHITE CERTIFICATE TRADING SCHEME ON THE ENERGY SYSTEM OF THE EU-27**
- Viktors ZEBERGS, Namejs ZELTINS (INSTITUTE OF PHYSICAL ENERGETICS), Karlis MIKELSONS, Adrians DAVIS (AS LATVENERGO): **THE STRATEGY OF ENERGY EFFICIENCY POLICY: NATIONAL AND INTERNATIONAL COHERENCE**
- Jan W. BLEYL-ANDROSCHIN (GRAZ ENERGY AGENCY), Friedrich SEEFELDT ("ENERGY EFFICIENCY. RENEWABLE ENERGIES & CLIMATE PROTECTION), DR. Bernd EIKMEIER (BREMER ENERGIE INSTITUT): **HOW MUCH ENERGY EFFICIENCY CAN ENERGY CONTRACTING DELIVER TO THE RESIDENTIAL SECTOR IN GERMANY?**
- Jun LI (CERNA): **AN INVESTIGATION OF CDM FOR BUILDINGS ENERGY EFFICIENCY**

Session 2-V: FUTURE PROSPECTS OF OIL AND GAS PRODUCTION

- Radetzky App.I | TUESDAY | 16:45–18:30

- Mamdouh G. SALAMEH (INTERNATIONAL OIL ECONOMIST): **SAUDI PROVEN CRUDE OIL RESERVES: THE MYTH AND THE REALITY REVISITED**
- Lars LINDHOLT, Solveig GLOMSRØD,(STATISTICS NORWAY): **FUTURE PRODUCTION OF OIL AND GAS IN THE ARCTIC**
- Franz WIRL, Aleksandr RAKINTSEV,(UNIVERSITY OF VIENNA): **AN EMPIRICAL STUDY ON FACTORS AFFECTING THE OUTCOMES OF THE OIL FIELD AUCTIONS IN RUSSIA**

Session 2-VI: ELECTRICITY MARKETS II -

Geheime Ratstube | TUESDAY | 16:45–18:30

- Finn R FØRSUND (UNIVERSITY OF OSLO): **ELECTRICITY TRADE BETWEEN COUNTRIES WITH DIFFERENT GENERATION TECHNOLOGIES: THE CASE OF HYDRO AND THERMAL**
- Pedro LINARES, Adela CONCHADO (IIT - UNIVERSIDAD PONTIFICIA COMILLAS): **THE ECONOMICS OF NUCLEAR POWER IN LIBERALIZED MARKETS**
- Enrique LOREDO, Nuria LÓPEZ-MIELGO (UNIVERSITY OF OVIEDO), José-Alberto GOICOCHEA (THAMES VALLEY UNIVERSITY): **ELECTRICITY COMPANY VERTICAL BACKWARD INTEGRATION INTO REGASIFICATION FACILITIES: A TRANSACTION COST EXPLANATION**
- M. Soledad ARELLANO, Pablo SERRA: **CONTRACTS AND MARKET POWER IN PRICE-REGULATED POWER INDUSTRY**

Session 2-VII: INVESTMENT DECISION IN GENERATION

TECHNOLOGIES I - Trabantenstube | TUESDAY | 16:45–18:30

- Nick SCREEN, James TIPPING, Oliver RIX, PHIL GRANT (REDPOINT ENERGY): ***DYNAMIC SIMULATION OF INVESTMENT DECISION-MAKING IN ELECTRICITY MARKETS***
- Florian KIENZLE, Göran ANDERSSON (ETH ZURICH): ***VALUING INVESTMENTS IN MULTI-ENERGY GENERATION PLANTS UNDER UNCERTAINTY: A REAL OPTIONS ANALYSIS***
- Danny AUERSWALD, Florian LEUTHOLD (DRESDEN UNIVERSITY OF TECHNOLOGY): ***GENERATION PORTFOLIO AND INVESTMENT TIMING UNTIL 2030: A REAL OPTIONS APPROACH FOR GERMANY***
- Erik DELARUE, Cedric DE JONGHE, Ronnie BELMANS, William D'HAESELEER (UNIVERSITY OF LEUVEN): ***APPLYING PORTFOLIO THEORY ON THE ELECTRICITY SECTOR: INSTALLED CAPACITY VERSUS ACTUAL ELECTRICITY GENERATION***
- Edwin CASTRO, Juan Carlos MORATAYA, José Rafael ARGUETA (CNEE GUATEMALA): ***PORTFOLIO OPTIMIZATION MODEL FOR ELECTRICITY PURCHASE IN LIBERALIZED ENERGY MARKETS***

Session 2-VIII: FUTURE PROSPECTS AND MODELLING OF

CARBON TRADING - Rittersaal | TUESDAY | 16:45–18:30

- Vicki DUSCHA, Joachim SCHLEICH (FRAUNHOFER INSTITUTE): ***EFFECTS OF LINKING SMALL AND LARGE MARKETS UNDER VARIOUS ALLOCATION REGIMES***
- Axel SONNTAG, Julia LECHNER, Gunther MAIER (VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS): ***EFFECTS OF INTEGRATING ROAD TRANSPORT INTO THE EUROPEAN CO₂ EMISSIONS TRADING SYSTEM***

20:00-23:00

Gala Dinner at Schloß Schönbrunn (Admission 19:45)

Wednesday 09.09.2009

08:30-09:45 **Parallel Session 3**

SESSION 3-I: ENERGY POLICIES I -

Zeremoniensaal | WEDNESDAY | 08:30-09:45

- Guenther BRAUNER (VIENNA UNIVERSITY OF TECHNOLOGY): **ENERGY STRATEGY IN AUSTRIA UNTIL 2050**
- Carmen DIENST, Manfred FISCHEDICK, Willington ORTIZ (RESEARCH GROUP FUTUR ENERGY AND MOBILITY STRUCTURES): **DEVELOPMENT OF A NEED- AND FUTURE-ORIENTED TECHNOLOGY RADAR FOR SUSTAINABLE ENERGY TECHNOLOGIES, A HELPING TOOL FOR DECISION PROCESSES**
- Pablo DEL RÍO (CENTRO DE CIENCIAS HUMANAS Y SOCIALES, CSIC): **ANALYSING THE INTERACTIONS BETWEEN RENEWABLE ENERGY PROMOTION AND ENERGY EFFICIENCY SUPPORT SCHEMES**
- Merrill Jones BARRADALE (UNIVERSITY OF CALIFORNIA): **IMPACT OF POLICY UNCERTAINTY ON RENEWABLE ENERGY INVESTMENT: WIND POWER AND THE US PRODUCTION TAX CREDIT**
- Masashi OHKURA, Shunsuke MORI (TOKYO UNIVERSITY OF SCIENCE): **INVESTIGATION OF THE CONFIGURATION OF HYBRID SOLAR ENERGY SYSTEM FOR DISTINCT ENERGY DEMAND**

SESSION 3-II: BIOENERGY AND BIOFUELS II -

Radetzky App.III | WEDNESDAY | 08:30-09:45

- Gilles GUERASSIMOFF, Edi ASSOUMOU, Nadia MAÏZI, Marc BORDIER (CENTER FOR APPLIED MATHEMATICS): **BIOMASS FOR ENERGY USES: ASSESSMENT METHODOLOGY FOR FRANCE**
- Jaroslav KNÁPEK, Jiří VAŠÍČEK (CTU IN PRAGUE), Kamila HAVLÍČKOVÁ (SILVA TAROUČY RESEARCH INSTITUTE): **WHAT ARE THE OBSTACLES FOR BIOMASS MARKET DEVELOPMENT IN THE CZECH REPUBLIC?**
- Adam TOROK (KTI-INSTITUTE FOR TRANSPORT SCIENCE), Zoltan PETRES (SZTAKI- COMPUTER AND AUTOMATION RESEARCH INSTITUTE OF HUNGARIAN): **ANALYSIS OF BIOFUEL BASED MOBILITY IN HUNGARY**
- Vaibhav CHATURVEDI (INDIAN INSTITUTE OF MANAGEMENT AHMEDABAD): **BIO-FUELS FOR A LOW CARBON INDIAN SOCIETY**
- Yoshiki OGAWA, Hiroto NAKAJIMA (TOYO UNIVERSITY): **AN ANALYSIS ON THE ECONOMICS OF POWER GENERATION USING WOOD WASTES FROM SCRAPPED HOUSES IN JAPAN**

SESSION 3-III: ELECTRICITY TRANSMISSION: INVESTMENT AND REGULATION - Künstlerzimmer | WEDNESDAY | 08:30-09:45

- Christian VON HIRSCHHAUSEN, Lukas BÜCKERS, Jonas EGERER, Florian LEUTHOLD (TU DRESDEN), Wolf-Peter SCHILL (DIW BERLIN): **EUROPEAN ELECTRICITY TRANSMISSION IN 2050 – AN ENGINEERING-ECONOMIC ANALYSIS OF A COMBINED AC-DC SUPER GRID BASED ON RENEWABLE ENERGY SOURCES (RES)**
- Hans NYLUND (LULEÅ UNIVERSITY OF TECHNOLOGY): **SHARING THE COSTS OF TRANSMISSION EXPANSION: A COOPERATIVE GAME THEORY APPROACH APPLIED ON THE NORDIC ELECTRICITY MARKET**
- Margarethe RAMMERSTORFER (VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS ADMINISTRATION): **CONSTRAINED DIVESTITURE AND OWNERSHIP UNBUNDLING**
- Michiel DE NOOIJ (SEO ECONOMIC RESEARCH, UNIVERSITY OF AMSTERDAM): **OPTIMAL INVESTMENT IN INTERCONNECTION CAPACITY**
- Adrien DE HAUTECLOCQUE (UNIVERSITY OF MANCHESTER), Vincent RIOUS (DEPARTMENT OF POWER AND ENERGY SYSTEMS AT SUPELEC): **WHY SHOULD WE ALLOW MERCHANT TRANSMISSION INVESTMENTS BY INCUMBENT GENERATORS IN THE EUROPEAN UNION?**
- Isamu MATSUKAWA (MUSASHI UNIVERSITY), Machiel MULDER (NETHERLANDS COMPETITION): **EXTERNAL COSTS OF INTERCONNECTION: THE CASE OF NORNED**

SESSION 3-IV: ENERGY EFFICIENCY POLICIES II -

Maria Theresien App.I | WEDNESDAY | 08:30-09:45

- Peter GRÖSCHE, Christoph M. SCHMIDT, Colin VANCE (RWI ESSEN): ***IDENTIFYING FREE-RIDING IN ENERGY CONSERVATION PROGRAMS USING REVEALED PREFERENCE DATA***
- Marina VARVESI (ADICONSUM): ***EUROPEAN NETWORK FOR THE ENERGY PERFORMANCE CERTIFICATION OF BUILDINGS – ENFORCE***
- Christian STENQVIST, Lars J. NILSSON (ENVIRONMENTAL AND ENERGY SYSTEM STUDIESU), Eva HENRIKSSON, Patrik SÖDERHOLM, Linda WÅRELL (LULEÅ UNIVERSITY OF TECHNOLOGY): ***VOLUNTARY ENERGY EFFICIENCY PROGRAMS: AN INTERIM EVALUATION OF PFE IN SWEDEN***
- Christiane EGGER, Christine ÖHLINGER, (ENERGIESPARVERBAND): ***ELECTRICITY EFFICIENCY POLICY IN UPPER AUSTRIA***
- Wilhelm HIMMEL (NACHHALTIGKEITSKOORDINATOR LAND STEIERMARK), Silke LEICHTFRIED (PROJEKTLEITERIN DER WIRTSCHAFTSINITIATIVE NACHHALTIGKEIT), Bernhard PUTTINGER, ANTON SCHULLER (ECO WORLD STYRIA): ***WINENERGY! ENERGY EFFICIENCY INITIATIVE FOR STYRIAN COMPANIES TO IMPROVE THEIR COMPETITIVE POSITION***
- Petr VOGEL, Jiri BERANOVSKY, Frantisek MACHOLDA, Petr KOTEK, Jan ANTONÍN: ***BLOCK OF FLATS RETROFITS IN THE CENTRAL AND EASTERN EUROPE SEEN UNDER ECONOMIC AND GREENHOUSE WARMING POTENTIAL CRITERIA.***

SESSION 3-V: OIL PRICE AND ECONOMY -

Radetzky App.I | WEDNESDAY | 08:30-09:45

- Baltasar MANZANO, Carlos DE MIGUEL, José María Martín-MORENO (UNIVERSIDAD DE VIGO), Jesús RUIZ, (UNIVERSIDAD COMPLUTENSE DE MADRID): ***DISENTANGLING THE EFFECTS OF OIL SHOCKS: THE ROLE OF RIGIDITIES AND MONETARY POLICY***
- Evangelia PAPAPETROU (UNIVERSITY OF ATHENS): ***OIL PRICE ASYMMETRIC SHOCKS AND ECONOMIC ACTIVITY: THE CASE OF GREECE***
- Manuel FRONDEL, Colin VANCE (RWI ESSEN): ***DO HIGH OIL PRICES MATTER? EVIDENCE ON THE MOBILITY BEHAVIOR OF GERMAN HOUSEHOLDS***

SESSION 3-VI: ELECTRICITY MARKET MODELLING I

- Geheime Ratstube | WEDNESDAY | 08:30-09:45

- Pablo DUEÑAS MARTÍNEZ, Javier RENESES GUILLÉN, Julián BARQUÍN GIL (IIT – UNIVERSIDAD PONTIFICIA DE COMILLAS): **NATURAL GAS CONSIDERATION IN A MEDIUM-TERM ELECTRICITY MARKET EQUILIBRIUM MODEL**
- Maria LYKIDI, Pascal GOURDEL (UNIVERSITY OF PARIS 1), Jean-Michel GLACHANT (EUROPEAN UNIVERSITY SCHOOL OF FLORENCE): **THE EFFECTS OF NUCLEAR FUEL STORAGE ON COMPETITION IN ELECTRICITY**
- Kenta OFUJI, Nobuyuki YAMAGUCHI, Mika GOTO (CRIEPI): **NEXT-DAY HYDROPOWER OUTPUT FORECAST WITH KALMAN FILTER TANK MODEL**
- Daniel M. HAMBLIN (DAN HAMBLIN & ASSOCIATES), Lance D. MCKINZIE (VENTYX): **TESTING A REAL-TIME GEOTHERMAL POWER CONTRACT MANAGEMENT TOOL PERFORMANCE IN A CHAOTIC WHOLESALE MARKET**
- Marek ADAMEC, Michaela INDRAKOVA, Pavel PAVLÁTKA (CZECH TECHNICAL UNIVERSITY IN PRAGUE): **TRANSFORMATION OF THE COMMERCIAL FLOWS INTO PHYSICAL FLOWS OF ELECTRICITY**

SESSION 3-VII: INVESTMENT DECISIONS IN GENERATION TECHNOLOGIES II - Trabantenstube I WEDNESDAY I 08:30-09:45

- Jevgenijs STEINBUKS, Andreia MESHREKY, Karsten NEUHOFF (UNIVERSITY OF CAMBRIDGE): ***THE EFFECT OF ENERGY PRICES ON OPERATION AND INVESTMENT IN OECD COUNTRIES: EVIDENCE FROM THE VINTAGE CAPITAL MODEL***
- Christopher BREUER, Reinhard MADLENER (RWTH AACHEN UNIVERSITY) ***IMPACT OF DECENTRALIZED POWER GENERATION ON THE ECONOMICS OF LARGE-SCALE POWER PLANTS***
- Sonja LÜTHI, Rolf WÜSTENHAGEN (UNIVERSITY OF ST. GALLEN): ***THE PRICE OF POLICY RISK – EMPIRICAL INSIGHTS FROM CHOICE EXPERIMENTS WITH EUROPEAN SOLAR ENERGY PROJECT DEVELOPERS***
- Srichattra CHAIVONGVILAN, Deepak SHARMA (UNIVERSITY OF TECHNOLOGY, SYDNEY): ***LONG-TERM IMPACTS OF ALTERNATIVE ENERGY-ENVIRONMENTAL SCENARIOS FOR THAILAND***

SESSION 3-VIII: CLIMATE CHANGE AND LOW CARBON OPTIONS - Rittersaal I WEDNESDAY I 08:30-09:45

- Akira MAEDA, Makiko NAGAYA (KYOTO UNIVERSITY): ***THE OPTIMAL TIMING OF TRANSITION TO NEW ENVIRONMENTAL TECHNOLOGY IN ECONOMIC GROWTH***
- Timothy J. FOXON (UNIVERSITY OF LEEDS), Geoffrey P. HAMMOND (UNIVERSITY OF BATH), Peter J. PEARSON (IMPERIAL COLLEGE): ***TRANSITION PATHWAYS FOR A LOW CARBON ENERGY SYSTEM IN THE UK: INTEGRATING SUPPLY-SIDE AND DEMAND-SIDE INSIGHTS***
- D. GUSBIN, D. DEVOGELAER (FEDERAL PLANNING BUREAU): ***THE IMPACT OF THE EU ENERGY/CLIMATE PACKAGE ON ENERGY SUPPLY SECURITY IN BELGIUM***
- Robert PIETZCKER, Gunnar LUDERER, Nico BAUER (Potsdam Institute for Climate Impact Research), Susanne MANGER and Thomas BRUCKNER (Leipzig University): ***THE ROLE OF CONCENTRATING SOLAR POWER AND PHOTOVOLTAICS FOR CLIMATE PROTECTION***
- Stefan SCHMELZER, Todor BALABANOV (INSTITUT FUER HOEHERE STUDIEN, VIENNA): ***THE ROLE OF THE GREEN QUOTA AND REVENUE RECYCLING SCHEMES IN THE CLIMATE CHANGE OPTIONS: A DYNAMIC GENERAL EQUILIBRIUM ANALYSIS FOR AUSTRIA***

09:45-10:15 COFFEE BREAK

10:15-12:00 **Parallel Session 4**

SESSION 4-I: ENERGY POLICIES II-

Zeremoniensaal | WEDNESDAY | 10:15-12:00

- David CORDERI, Cynthia LIN (UNIVERSITY OF CALIFORNIA AT DAVIS): ***MEASURING THE SOCIAL RATE OF RETURN IN THE ENERGY INDUSTRY: A STUDY OF THE OECD COUNTRIES***
- Jari OJALA, Esa RUUSKANEN (UNIVERSITY OF JYVÄSKYLÄ): ***THE CO-EVOLUTION OF ENERGY POLICIES AND THE MANUFACTURING INDUSTRIES: EXPERIENCES IN THE NORDIC COUNTRIES FROM THE 1960S TO THE PRESENT DAY***
- Ann VAN ACKERE (UNIVERSITÉ DE LAUSANNE), Patricia OCHOA (LONDON BUSINESS SCHOOL): ***SCHEDULING HYDRO-ENERGY PRODUCTION: A POLICY APPROACH***
- Julio USAOLA, M.Á. MORENO, M. BUENO (UNIVERSIDAD CARLOS III DE MADRID), J. RIVIER, Gonzalo SÁENZ DE MIERA (IBERDROLA): ***EFFECT OF WIND ENERGY ON CAPACITY PAYMENT. THE CASE OF SPAIN.***
- Luigi PAGANETTO(ENEA), Giovanni TROVATO, Sabrina AUCI (UNIVERSITY OF ROME): ***THE ENVIRONMENTAL KUZNETS CURVES WITHIN EUROPEAN COUNTRIES AND SECTORS: GREENHOUSE EMISSION, PRODUCTION FUNCTION AND TECHNOLOGY***
- Santiago Arango ARAMBURO, Carlos Jaime FRANCO Cardona, YRIS OLAYA MOR, D. Faviana GUTIÉRREZ RÔA, Eddy MARCELA NARANJO CARDENAS (UNIVERSIDAD NACIONAL DE COLOMBIA): ***ANALYSIS AND DESIGN OF SUBSIDIES TO DOMICILIARY ELECTRIC UTILITY SERVICES IN COLOMBIA THROUGH EXPERIMENTAL ECONOMICS***

SESSION 4-II: FUELS AND MOBILITY -

Radetzky App.III | WEDNESDAY | 10:15-12:00

- Shunsuke MORI (MASAHI OHKURA, TOKYO UNIVERSITY OF SCIENCE), Shintaro TAKAMINE (DAIWA INSTITUTE OF RESEARCH), TOSHITERU OnoJIMA (MIZUHO INFORMATION & RESEARCH INSTITUTE): ***A HYBRID WORLD FUEL MARKET MODEL : A MODELING OF THE DYNAMIC FUEL MARKET EQUILIBRIUM WITH THE STOCHASTIC PRICE DISTURBANCE PROCESS***
- Henrique M. M. SANTOS, Evgeniya MEZENTSEVA GRADEI (UNIVERSITY OF ABERDEEN), Afonso HENRIQUES M. SANTOS (FEDERAL UNIVERSITY OF ITAJUBA): ***ETHANOL AND PRE-SALT OIL IN BRAZIL: COMPETITION OR COMPLEMENT? A PROSPECTIVE ANALYSIS FOR THE BRAZILIAN MARKET***
- Maximilian KLOESS (VIENNA UNIVERSITY OF TECHNOLOGY): ***POTENTIALS OF HYBRIDS AND ELECTRIC VEHICLES FOR THE PASSENGER VEHICLE SECTOR IN AUSTRIA – A MODEL-BASED ANALYSIS***
- Edi ASSOUMOU, Valérie ROY, Nadia MAÏZI (CENTRE FOR APPLIED MATHEMATICS): ***SHIFT FROM OIL FUELED CARS FOR A SUSTAINABLE MOBILITY IN FRANCE***
- Parisa BAZDAR ARDEBILI, Abdolreza REZAEI ARJROODY (TRANSPORTATION RESEARCH INSTITUTE): ***AN ECONOMIC FUEL CONSUMPTION DEMAND MODEL IN ROAD TRANSPORTATION OF IRAN***
- Adriaan PERRELS, Tarja TUOVINEN, Johanna PEKKARINEN (GOVERNMENT INSTITUTE FOR ECONOMIC RESEARCH VATT): ***CAR PURCHASE TAX DIFFERENTIATION ACCORDING TO GHG EMISSION INTENSITY – EXPERIENCES IN FINLAND***

SESSION 4-III: TRANSMISSION NETWORKS AND BALANCING MARKETS – Künstlerzimmer | WEDNESDAY | 10:15-12:00

- Frieder BORGGREFE (UNIVERSITY OF COLOGNE), Karsten NEUHOFF (UNIVERSITY OF CAMBRIDGE): ***CROSS BORDER BALANCING MECHANISM IN A HARMONIZED EUROPEAN ELECTRICITY MARKET***
- Christoph MÖLLER, Svetlozar RACHEV (KIT): ***STRATEGIC DEPLOYMENT OF BALANCING ENERGY IN THE GERMAN ELECTRICITY MARKET***
- Laurent GILOTTE, Stefan LEEDHAM, Gareth WORDINGHAM (EDF): ***FLEXIBLE USE OF GAS POWERPLANTS: REGULATION AND PRACTICE IN THE UK***
- Luca LO SCHIAVO, Riccardo VAILATI (AUTORITÀ PER L'ENERGIA ELETTRICA E IL GAS): ***THE ITALIAN INCENTIVE REGULATION FOR IMPROVING THE CONTINUITY OF ELECTRICITY TRANSMISSION***
- Maria DA CONCEIÇÃO SAMPAIO DE SOUSA, Eduardo SERRATO: ***REGULATORY SCHEMES FOR THE BRAZILIAN MARKET OF ELECTRICITY TRANSMISSION***
- Serafin VON ROON (RESEARCH INSTITUTE OF ENERGY ECONOMY), Ulrich WAGNER (TECHNICAL UNIVERSITY MUNICH): ***THE INTERACTION OF CONVENTIONAL POWER PRODUCTION AND RENEWABLE POWER UNDER THE ASPECT OF BALANCING FORECAST ERRORS***

SESSION 4-IV: ENERGY EFFICIENCY AND TECHNOLOGY

LEARNING - Maria Theresien App.I | WEDNESDAY | 10:15-12:00

- Wina GRAUS, Eliane BLOMEN, Corinna KLEßMANN, Caroline CAP, Eva STRICKER (ECOFYS GERMANY): **GLOBAL TECHNICAL POTENTIALS FOR ENERGY-EFFICIENCY IMPROVEMENT**
- Karen TURNER, Janine DE FENCE, Kim SWALES (UNIVERSITY OF STRATHCLYDE): **SUPPLY CONSTRAINTS ON REBOUND EFFECTS FROM INCREASES IN ENERGY EFFICIENCY: THE DISINVESTMENT EFFECT**
- E. Verdolini, M. GALEOTTI (UNIVERSITY OF MILAN): **AT HOME AND ABROAD: AN EMPIRICAL ANALYSIS OF INNOVATION IN ENERGY-EFFICIENT TECHNOLOGIES**
- Luca VEGETTI, Fabio NICOLÒ (TEFEN MANAGEMENT CONSULTING): **A DEMAND SIDE EFFICIENCY CASE IN PROCESS INDUSTRIES: MEETING ENVIRONMENTAL AND COST GOALS IN A LARGE REFINERY**
- Martin WEISS, Martin JUNGINGER, Martin K. PATEL (UTRECHT UNIVERSITY, COPERNICUS INSTITUTE): **LEARNING ENERGY EFFICIENCY: QUANTIFYING PRICE AND EFFICIENCY DYNAMICS OF HOUSEHOLD ENERGY DEMAND TECHNOLOGIES**

SESSION 4-V: OIL MARKET MODELLING I -

Radetzky App.I | WEDNESDAY | 10:15-12:00

- Daniel HUPPMANN, Franziska HOLZ (DIW BERLIN): **A MODEL FOR THE GLOBAL CRUDE OIL MARKET USING A MULTI-POOL MCP APPROACH**
- Sharon XIAOWEN LIN (CASS BUSINESS SCHOOL, CITY UNIVERSITY, LONDON): **OPEC ANNOUNCEMENTS AND THEIR EFFECTS ON CRUDE OIL PRICES**
- Marc GRONWALD (IFO INSTITUTE FOR ECONOMIC RESEARCH): **JUMPS IN OIL PRICES – EVIDENCE AND IMPLICATIONS**
- E. HACHE, F. LANTZ (IFP-SCHOOL): **OIL PRICE VOLATILITY : INFLUENCE OF THE TRADER'S BEHAVIOUR**
- Kjell LØVÅS, Petter OSMUNDSSEN (NORWEGIAN SCHOOL OF ECONOMICS AND BUSINESS ADMINISTRATION): **TRENDS AND TRADE-OFFS IN PETROLEUM TAXATION**

SESSION 4-VI: ELECTRICITY MARKET MODELLING II

- Geheime Ratstube I WEDNESDAY I 10:15-12:00

- Pavel PAVLATKA (CZECH TECHNICAL UNIVERSITY IN PRAGUE): **MARKET COUPLING AND PRICE COORDINATION BETWEEN POWER EXCHANGES**
- Wolf-Peter SCHILL (DIW BERLIN GRADUATE CENTER OF ECONOMIC AND SOCIAL RESEARCH): **STRATEGIC STORAGE AND FLUCTUATING WIND POWER IN A GAME-THEORETIC ELECTRICITY MARKET MODEL WITH IMPERFECT COMPETITION**
- Hannes WEIGT (ENERGY ECONOMICS AND PUBLIC SECTOR MANAGEMENT), Bert WILLEMS (TILBURG UNIVERSITY): **THE EFFECT OF DIVESTITURES IN THE GERMAN ELECTRICITY MARKET**
- Matthäus PIETZ (TECHNISCHE UNIVERSITÄT MÜNCHEN): **RISK PREMIA IN THE GERMAN ELECTRICITY FUTURES MARKET**

SESSION 4-VII: INVESTMENT DECISIONS IN GENERATION TECHNOLOGIES III – Trabantenstube I WEDNESDAY I 10:15-12:00

- Richard LOHWASSER, Reinhard MADLENER (RWTH AACHEN UNIVERSITY): **IMPACT OF CCS ON THE ECONOMICS OF COAL-FIRED POWER PLANTS – WHY INVESTMENT COSTS DO AND EFFICIENCY DOESN'T MATTER**
- Nina HAMPL, Rolf WÜSTENHAGEN (INSTITUTE FOR ECONOMY AND THE ENVIRONMENT): **THE INFLUENCE OF BRANDING ON INVESTMENT DECISIONS UNDER UNCERTAINTY: A BEHAVIORAL FINANCE PERSPECTIVE ON INDIVIDUAL INVESTORS IN RENEWABLE ENERGY STOCKS**
- Moritz LOOCK, Rolf WÜSTENHAGEN (UNIVERSITY ST. GALLEN): **UNDERSTANDING THE VALUE OF BUSINESS MODELS FOR RENEWABLE ENERGY: EMPIRICAL EVIDENCE FROM CHOICE EXPERIMENTS WITH INVESTORS**
- Christoph WEBER, Andreas FRITZ (UNIVERSITY DUISBURG-ESSEN): **RISK MANAGEMENT IN MARKETS WITH LIMITED LIQUIDITY**
- Sigrid STAGL (UNIVERSITY OF SUSSEX, VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS): **HOW NEUROSCIENCE CAN INFORM ENERGY ECONOMICS**

SESSION 4-VIII: CLIMATE CHANGE POLICIES -

Rittersaal I WEDNESDAY I 10:15-12:00

- Sandrine SELOSSE, Edi ASSOUMOU, Nadia MAÏZI, Benoit LENTZ (MINES PARISTECH), **GHG MITIGATION TARGETS BY 2020: WHAT INTERNATIONAL COORDINATION?**
- Aviel VERBRUGGEN, Mohamed AL MARCHOHI (UNIVERSITY OF ANTWERP): **PEAK OIL AND CLIMATE CHANGE POLICY**
- Patrícia FORTES, Sofia SIMÕES, Júlia SEIXAS (CENSE), Denise VAN REGEMORTER (CES): **TOP-DOWN VS. BOTTOM-UP MODELING TO SUPPORT CLIMATE POLICY – COMPARATIVE ANALYSIS FOR THE PORTUGUESE ECONOMY**
- Stefan TRÜCK (MACQUARIE UNIVERSITY SYDNEY): **OPTIMAL CLIMATE CHANGE ADAPTATION STRATEGIES AT THE LOCAL LEVEL**
- Deepak SHARMA (UNIVERSITY OF TECHNOLOGY, SYDNEY): **AUSTRALIAN ENERGY AND CLIMATE CHANGE POLICIES: A RECONNOITRE**

12.00-13.30: Dual Plenary II A - Zeremoniensaal

“EUROPEAN ENERGY AND CO2 POLICIES AND STRATEGIES AT CROSSROADS: WILL THE TRY&ERROR STRATEGY EVER SUCEED?”

CHAIR: Roberto MALAMAN (Italian Electricity Regulatory Authority)

- Pantelis CAPROS (National Technical University of Athens)
- Aviel VERBRUGGEN (University of Antwerp)
- Benjamin HOBBS (John Hopkins University, USA)

12:00-13:30: Dual Plenary II B – Rittersaal

“SUSTAINABLE TRANSPORT SYSTEMS – BIOFUELS, ELECTRIC VEHICLES, INCREASING EFFICIENCY – IS THERE ANY SILVER BULLET?”

CHAIR: Amela AJANOVIC (Vienna University of Technology)

- Myrsini CHRISTOU (Centre for Renewable Energy Sources)
- Charles RAUX (Laboratoire d’Economie des Transports, Université Lyon)
- Martine UYTERLINDE (Energy Research Centre of the Netherlands)

13:30-15:00 LUNCH BREAK

15.00-16.30: Dual Plenary III A – Rittersaal

“ELECTRICITY AND NATURAL GAS MARKETS: HOW MUCH REGULATION NEEDS LIBERALISATION?”

CHAIR: Einar HOPE (Norwegian School of Economics and Business Administration)

- David NEWBERY (University of Cambridge)
- Ignacio PEREZ-ARRIAGA (Comillas University)
- Jean-Michel GLACHANT (University of Paris XI)

15:00-16:30: Dual Plenary III B – Zeremoniensaal

“HOW TO PROMOTE RENEWABLES EFFECTIVELY AND EFFICIENTLY”

CHAIR: Jaroslav KNAPEK (Technical University in Prague)

- Gustav RESCH (EEG, Vienna University of Technology)
- Eirik AMUNDSEN (University of Copenhagen)
- Karsten NEUHOFF (University of Cambridge)

16.30-17.00 COFFEE BREAK

17.00-18.45 Parallel Session 5

SESSION 5-I: RENEWABLES: LONG TERM -

Zeremoniensaal | WEDNESDAY | 17:00-18:45

- Vivien CSAPI, Nóra KOVÁCS (University of Pecs): ***ARE OUR ENERGY PORTFOLIOS RENEWABLE?***
- Karl Anton ZACH, Hans AUER (VIENNA UNIVERSITY OF TECHNOLOGY): ***CASE STUDIES FOR REGIONAL RES-E SCENARIO ANALYSIS CONSIDERING INTERDEPENDENCIES WITH NEIGHBOURING ENERGY SYSTEMS***
- Andreas MÜLLER (VIENNA UNIVERSITY OF TECHNOLOGY): ***RENEWABLE ENERGY CARRIERS IN AUSTRIA: SCENARIO ASSEMENT WITH FOCUS ON UNCERTAINTIES***
- Daniel REITER, August HIRSCHBICHLER, Michael STREBL (SALZBURG AG FÜR ENERGIE), Albrecht REUTER (FICHTNER IT CONSULTING AG), Thomas HAMACHER, Pascal MÜHLICH, Florian BOTZENHART (MAX-PLANCK-INSTITUT FÜR PLASMAPHYSIK): ***DEVELOPING A ROADMAP FOR THE FUTURE ENERGY INFRASTRUCTURE IN SALZBURG***
- Sabine WISCHERMANN, Hermann-Josef WAGNER (RUHR-UNIVERSITY BOCHUM): ***RENEWABLE ENERGY IN ENERGY SCENARIOS FOR GERMANY***

SESSION 5-II: SUPPLY SECURITY I -

Radetzky App.III | WEDNESDAY | 17:00-18:45

- Andreas KELLER, Christoph BÖHRINGER, Edwin VAN DER WERF (UNIVERSITY OF OLDENBURG): **THE (NON)SENSE OF ENERGY SECURITY INDICATORS AND POLICY**
- Christian WINZER, Karsten NEUHOFF, Daniel RALPH (UNIVERSITY OF CAMBRIDGE): **MEASURING SECURITY OF SUPPLY**
- Lenhard VANHOORN, Anca BADEA, Fabio MONFORTI, Andras SZIKSZAI, Ana VETERE, Henryk FAAS (JRC-IE PETTEN): **SHORT AND LONG-TERM INDICATOR AND EARLY WARNING TOOL FOR ENERGY SECURITY**
- Manuel FRONDEL, Nolan RITTER, Christoph M. SCHMIDT (RWI ESSEN): **MEASURING ENERGY SUPPLY RISKS: A G7 RANKING**
- Clemens HAFTENDORN, Franziska HOLZ, Christian VON HIRSCHHAUSEN (DIW BERLIN): **COALMOD-WORLD: THE SECURITY OF COAL SUPPLIES UNTIL 2030**

SESSION 5-III: DSM, DG AND COST ALLOCATION -

Künstlerzimmer | WEDNESDAY | 17:00-18:45

- Mathilde DROUINEAU, Nadia MAÏZI, Edi ASSOUMOU, (MINES PARISTECH), Vincent MAZAURIC (SCHNEIDER ELECTRIC): **RELIABILITY IN FUTURE ELECTRICITY MIXES: THE QUESTION OF DISTRIBUTED AND RENEWABLE SOURCES**
- Seppo KÄRKKÄINEN, Jussi IKÄHEIMO (VTT TECHNICAL RESEARCH CENTRE OF FINLAND): **INTEGRATION OF DEMAND SIDE MANAGEMENT WITH VARIABLE OUTPUT DG**
- Wolfgang PRÜGGLER, Friederich KUPZOG (VIENNA UNIVERSITY OF TECHNOLOGY), Benoît BLETTERIE, Helfried BRUNNER (ARSENAL RESEARCH): **ALLOCATION OF GRID INTEGRATION COSTS FOR DISTRIBUTED GENERATION – ARE CHANGES REASONABLE?**
- Lukas WEISSENSTEINER, Hans AUER (VIENNA UNIVERSITY OF TECHNOLOGY): **OFFSHORE WINDPOWER GRID CONNECTION COSTS – ANALYSIS OF SOCIAL TRANSFER COSTS FOR DIFFERENT ALLOCATION MECHANISMS**

SESSION 5-IV: ENERGY EFFICIENCY II -

Maria Theresien App.I | WEDNESDAY | 17:00-18:45

- Hisanori GOTO, Toshio ARIU (CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER I): ***AN ANALYSIS OF RESIDENTIAL CUSTOMERS' PREFERENCES FOR HOUSEHOLD ENERGY SYSTEMS***
- Roxana SAPLACAN POP, Florence BRZAKOWSKI, Marianne ENTEM (EDF R&D): ***RESIDENTIAL ELECTRICITY DEMAND: A ROADMAP OF MAIN FACTORS INFLUENCING CUSTOMERS CONSUMPTION***
- Helena MEIER (UNIVERSITY OF HAMBURG), Tooraj JAMASB (UNIVERSITY OF CAMBRIDGE): ***HOUSEHOLD ENERGY SPENDING AND INCOME GROUPS: THE CASE OF GREAT BRITAIN 1991-2007***
- Frauke BRAUN (DIW BERLIN): ***PREFERENCES FOR HEATING TECHNOLOGIES: A DISCRETE CHOICE ANALYSIS FOR GERMAN HOUSEHOLDS***
- Louis-GAËTAN GIRAUDET, Céline GUIVARCH, Philippe QUIRION (CNRS / CIRED): ***A MODEL OF THE FRENCH RESIDENTIAL DEMAND FOR HEATING ENERGY TO EVALUATE THE PROSPECTIVE IMPACT OF POLICY INSTRUMENTS***

SESSION 5-V: OIL MARKET MODELLING II -

Radetzky App.I | WEDNESDAY | 17:00-18:45

- Magne EMHJELLEN (PETORO AS), Petter OSMUNDSEN (UNIVERSITY OF STAVANGER): ***COST VALUATION AND TAX DESIGN***
- Andreas FRITZ, Christoph WEBER (UNIVERSITY OF DUISBURG-ESSEN): ***EFFICIENCY IN THE CRUDE OIL FUTURES MARKET: BACKTESTING RECENT DEVELOPMENTS WITH MULTIFACTOR MODELS***
- Istemi BERK (IZMIR UNIVERSITY OF ECONOMICS): ***IMPACTS OF FINANCIAL DERIVATIVES MARKET ON OIL PRICE VOLATILITY***
- Julien FOUQUAU, Mohamed EL HEDI AROURI (LEO-UNIVERSITÉ D'ORLÉANS): ***HOW DO OIL PRICES AFFECT STOCK RETURNS IN GCC MARKETS? AN ASYMMETRIC COINTEGRATION APPROACH***

SESSION 5-VI: ELECTRICITY MARKET MODELLING III

- Geheime Ratstube I WEDNESDAY I 17:00-18:45

- Carlo A. BOLLINO, Paolo POLINORI (UNIVERSITY OF PERUGIA): **ESTIMATING COST FUNCTION USING OBSERVED BID DATA IN WHOLESALE ELECTRICITY ITALIAN MARKET**
- Christian REDL, Bernhard BÖHM, Reinhard HAAS (VIENNA UNIVERSITY OF TECHNOLOGY), Claus HUBER (EGL AUSTRIA GMBH): **FORWARD PREMIA IN ELECTRICITY MARKETS: THE INFLUENCE OF SHOCKS, MARKET STRUCTURES, AND RISK AND MARKET ASSESSMENTS ON INEFFICIENT MARKET OUTCOMES**
- Hiroaki SUENAGA (CURTIN UNIVERSITY OF TECHNOLOGY): **NON-LINEARITY AND SEASONAL VARIATION IN THE SPARK-SPREAD RELATIONSHIP**
- Kemal SARICA, İlhan OR, Gürkan KUMBAROĞLU (BOĞAZIÇI UNIVERSITY): **MODELING AND ANALYSIS OF A DECENTRALIZED ELECTRICITY MARKET: INTEGRATED SIMULATION/OPTIMIZATION**

SESSION 5-VII: LOCAL CASE STUDIES -

Trabantenstube I WEDNESDAY I 17:00-18:45

- Valentinas KLEVAS, Kestutis BIEKSA, Audrone KLEVIENE, Jolanta BUBELIENE (LITHUANIAN ENERGY INSTITUTE): **LOCAL SCENARIA FOR SUSTAINABLE ENERGY DEVELOPMENT**
- Silvia BANFI, Massimo FILIPPINI (CEPE, ETH ZURICH): **RESOURCE RENT TAXATION AND BENCHMARKING – A NEW PERSPECTIVE FOR THE SWISS HYDROPOWER SECTOR**
- Nir BECKER (TEL-HAI COLLEGE, ISRAEL), David SOLOVEITCHIK (ENERGY AND ECONOMIC MODELS), Moshe OLSHANSKY (RESIDEX PTY LTD): **MODELING NATIONAL EMISSIONS REDUCTION TARGETS FOR ELECTRICITY GENERATION IN ISRAEL**
- Charles YOUSIF (UNIVERSITY OF MALTA): **ENERGY, TRANSPORT AND WASTE MANAGEMENT: A REVIEW OF MALTESE POLICIES TO COMBAT CLIMATE CHANGE**
- Nhan T. NGUYEN, Minh HA-DUONG, Franck NADAUD (CIRED-CNRS. CAMPUS DU JARDIN), Thanh C. TRAN (INSTITUTE OF ENERGY OF VIETNAM), Ram M. SHRESTHA (ASIAN INSTITUTE OF TECHNOLOGY): **BARRIERS TO THE ADOPTION OF CLEANER AND ENERGY EFFICIENT TECHNOLOGIES IN VIETNAM**

SESSION 5-VIII: TOWARDS SUSTAINABILITY I -

Rittersaal | WEDNESDAY | 17:00-18:45

- Roudi BAROUDI (ENERGY AND ENVIRONMENT HOLDING): **ENERGY POLICIES AND TECHNOLOGIES FOR SUSTAINABLE ECONOMIES**
- Gunnar LUDERER, Michael JAKOB, Jan STECKEL, Ottmar EDENHOFER (POTSDAM INSTITUTE FOR CLIMATE IMPACT RESEARCH), Valentina BOSETTI (FONDAZIONE ENI ENRICO MATTEI), Henri WAISMAN (CENTRE INTERNATIONAL DE RECHERCHE SUR L'ENVIRONNEMENT ET LE DEVELOPPEMENT) : **TOWARDS A BETTER UNDERSTANDING OF DISPARITIES IN SCENARIOS OF DECARBONIZATION: SECTORALLY AND REGIONALLY EXPLICIT RESULTS FROM THE RECIPE PROJECT**
- Agarwal PRASOON: **ARTICULATING A LOW CARBON TRANSPORT SYSTEM IN INDIA**
- Sara PROENÇA (ESAC - POLYTECHNIC INSTITUTE OF COIMBRA), Miguel ST AUBYN (ISEG - TECHNICAL UNIVERSITY OF LISBON): **A HYBRID APPROACH FOR ENERGY-CLIMATE POLICY ANALYSIS: EFFECTS OF FEED-IN TARIFFS TO PROMOTE RENEWABLE ENERGY IN PORTUGAL**

19:30-22.30 **Reception at Museumsquartier** (Admission 19:15)

Thursday 10.09.2009

07:30-08:30 Rio 2010 Conference Planning Meeting - by Invitation (*Wintergarten*)

08:30-10:15 Parallel Session 6

SESSION 6-I: COUNTRY STUDIES -

Zeremoniensaal I Thursday I 08:30-10:15

- Julieta C. SCHALLENBERG RODRÍGUEZ (Universidad de Las Palmas de Gran Canaria), Reinhard HAAS (Technische Universität Wien): **LESSONS LEARNED FIXED FEED-IN VERSUS PREMIUMS: THE CASE OF SPAIN**
- Craig FROOME, Liam WAGNER (THE UNIVERSITY OF QUEENSLAND): **DESIGNING SOLAR FEED-IN TARIFFS FOR AUSTRALIA: LESSONS LEARNT FROM EUROPE?**
- Liam WAGNER, Craig FROOME, Ariel LIEBMAN, John FOSTER (THE UNIVERSITY OF QUEENSLAND): **FORCASTING THE LONG TERM EMISSIONS INTENSITY FACTOR FOR ELECTRICITY MARKETS: AN AUSTRALIAN CASE STUDY**
- Vaclovas MISKINIS, Konstantina VICIUTE, Darius TARVYDAS (Lithuania): **CURRENT TRENDS AND FUTURE ROLE OF RENEWABLE ENERGY SOURCES IN LITHUANIA**

SESSION 6-II: SUPPLY SECURITY II -

Radetzky App.III I Thursday I 08:30-10:15

- Ibrahim ABADA (UNIV. PARIS), Olivier MASSOL (IFP): **SECURITY OF SUPPLY IN THE EUROPEAN GAS MARKET: A MODEL-BASED ANALYSIS**
- Ricardo PONZO (YPF), Erik LARSEN (UNIVERSITY OF LUGANO), Isaac DYNER, Santiago ARENGO (CEIBA COMPLEXITY, NATIONAL UNIVERSITY OF COLOMBIA): **REGULATION AND THE LONG-TERM SECURITY OF SUPPLY IN THE ARGENTINIAN GAS MARKET**
- Sungil JANG (SEOUL NATIONAL UNIVERSITY): **ENERGY SECURITY STRATEGIES OF CHINA, JAPAN, AND KOREA TOWARDS AFRICAN COUNTRIES: STATUS AND CHALLENGES**
- Shih-Mo LIN (CHUNG YUAN CHRISTIAN UNIVERSITY), Chun-Chiang FENG (NATIONAL CENTRAL UNIVERSITY): **ENERGY SECURITY IN TAIWAN: REVIEW AND RE-EXAMINATION**
- Aaron J. PRAKTIKNJO (BERLIN UNIVERSITY OF TECHNOLOGY): **THE PRICE OF SUPPLY SECURITY OF ELECTRICAL ENERGY AGAINST TERRORISM**

SESSION 6-IV: ENERGY DEMAND I -

Maria Theresien App.I | Thursday | 08:30-10:15

- Massimo FILIPPINI (ETH ZURICH), Lester C HUNT (UNIVERSITY OF SURREY): ***ENERGY DEMAND AND ENERGY EFFICIENCY IN OECD COUNTRIES: A STOCHASTIC DEMAND FRONTIER APPROACH***
- J.Kim SWALES, Karen TURNER (UNIVERSITY OF STRATHCLYDE): ***THE REBOUND EFFECT WITH ENERGY PRODUCTION: A PARTIAL EQUILIBRIUM ANALYSIS***
- Moritz PAULUS, Frieder BORGGREFE (UNIVERSITY OF COLOGNE): ***ECONOMIC POTENTIAL OF DEMAND SIDE MANAGEMENT IN AN INDUSTRIALIZED COUNTRY – THE CASE OF GERMANY***
- Petra AMRUSCH, Franz WIRL (UNIVERSITY OF VIENNA): ***THE IMPACT OF THE ECONOMIC CRISIS AND ENERGY PRICES ON THE DEMAND FOR TRANSPORTATION***

SESSION 6-V: OIL AND GAS INDUSTRY II -

Radetzky App.I | Thursday | 08:30-10:15

- Antonio TAGLIA, Nicola ROSSI (ALTRAN ITALIA): ***EUROPEAN GAS IMPORTS: GHG EMISSIONS FROM THE SUPPLY CHAIN***
- Yue XU, Kjetil HAUGEN (MOLDE UNIVERSITY COLLEGE): ***A GAME OF UPSTREAM NATURAL GAS PIPELINE DEVELOPMENT***
- Petter OSMUNDSEN, Kristin HELEN ROLL, Ragnar TVETERÅS (UNIVERSITY OF STAVANGER): ***DRILLING PRODUCTIVITY ON THE NORWEGIAN CONTINENTAL SHELF***
- Petter OSMUNDSEN (UNIVERSITY OF STAVANGER), Terje SØRENES, Anders TOFT (NORWEGIAN PETROLEUM DIRE): ***INCENTIVE DESIGN IN OIL SERVICE CONTRACTS***

SESSION 6-VI: PRICE VOLATILITY MODELLING -

Geheime Ratstube | Thursday | 08:30-10:15

- Joachim BENATZKY (UNIVERSITY OF DUISBURG-ESSEN): **MODELLING POWER FUTURES VOLATILITY: COMPARISON OF ARMA AND GARCH MODELS BASED ON EEX DATA**
- Michael SPLETT, Jörg BENDFELD (UNIVERSITY OF PADERBORN): **EFFECTS OF OFFSHORE WIND ENERGY FLUCTUATIONS ON THE INTRA-DAY SPOT MARKET IN GERMANY**
- Julien CHEVALLIER (IMPERIAL COLLEGE LONDON), Benoît SÉVI (UNIVERSITÉ D'ANGERS): **ON THE REALIZED VOLATILITY OF THE ECX EMISSIONS 2008 FUTURES CONTRACT: DISTRIBUTION, DYNAMICS AND FORECASTING**
- Anne NEUMANN, Astrid CULLMANN, Christian VON HIRSCHHAUSEN (DIW BERLIN): **GLOBALIZATION OF STEAM COAL MARKETS? – AN ECONOMETRIC ANALYSIS**

SESSION 6-VII: COAL AND NUCLEAR GENERATION TECHNOLOGIES – Trabantenstube | Thursday | 08:30-10:15

- Klaus RENNINGS (CENTRE FOR EUROPEAN ECONOMIC RESEARCH), Peter MARKEWITZ, Stefan VÖGELE (FORSCHUNGSZENTRUM JUELICH): **HOW CLEAN IS CLEAN? INCREMENTAL VERSUS RADICAL TECHNOLOGICAL CHANGE IN COAL-FIRED POWER PLANTS**
- Johannes HEROLD, Jan ABRELL, Florian LEUTHOLD (TU DRESDEN): **MODELLING THE DIFFUSION OF CARBON CAPTURE AND STORAGE UNDER LEARNING EFFECTS**
- Leszek JURDZIAK, Justyna WIKTOROWICZ (UNIV. OF TECH., POLAND): **ESTIMATION OF CASH FLOWS VOLATILITY FOR RISK ANALYSIS OF A NEW LIGNITE POWER PLANT**
- Egidijus NORVAISA, Robertas ALZBUTAS (LITHUANIAN ENERGY INSTITUTE): **ECONOMIC AND SENSITIVITY ANALYSIS OF NON-LARGE NUCLEAR REACTORS WITH COGENERATION OPTION IN LITHUANIA**

SESSION 6-VIII: TOWARDS SUSTAINABILITY II -

Rittersaal I Thursday I 08:30-10:15

- Rolf GOLOMBEK, Sverre KITTELSEN, Ole ROGEBERG (FRISCH CENTRE), Finn ROAR AUNE, Mads GREAGER (STATISTICS NORWAY): **CCS IN EUROPE - LONG AWAITED SILVER BULLET OR YET A CLIMATE FRIENDLY TECHNOLOGY IN NEED OF GOVERNMENT DEPLOYMENT SUPPORT?**
- Michael STADLER, Chris MARNAY, Gonçalo Ferreira CARDOSO, Olivier MEGEL, Judy LA (LAWRENCE BERKELEY NATIONAL LABORATORY), Afzal SIDDIQUI (UNIVERSITY COLLEGE LONDON): **GREENHOUSE GAS ABATEMENT WITH DISTRIBUTED GENERATION IN CALIFORNIA'S COMMERCIAL BUILDINGS**
- Alan MORAN (INSTITUTE OF PUBLIC AFFAIRS): **STABILISING WORLD CO2 EMISSIONS: A BRIDGE TOO FAR?**

10:15-10:45 COFFEE BREAK

10:45 -12:15: Dual Plenary IV A - Rittersaal

“STRATEGIES FOR ENHANCING ENERGY SUPPLY SECURITY -- JUST POTEMKIN’S VILLAGES?”

CHAIR: Hans AUER (Vienna University of Technology)

- Jeroen DE JOODE (Energy Research Centre of the Netherlands)
- Manfred HAFNER (FEEM, Italy)
- Gerhard MANGOTT (University of Innsbruck)

10:45-12:15: Dual Plenary IV B - Zeremoniensaal

“WILL THE FINANCIAL CRISIS KILL THE NUCLEAR RENAISSANCE?”

CHAIR: Aviel VERBRUGGEN (University of Antwerp)

- Hans-Holger ROGNER (IAEA, Vienna)
- Lutz MEZ (Free University of Berlin)
- Stephen THOMAS (University of Greenwich)

12:15- 13:45 LUNCH

13:45-15:30 **Parallel Session 7**

SESSION 7-I: RENEWABLE CASE AND COUNTRY STUDIES

- Zeremoniensaal | Thursday | 13:45-15:30

- Ulrike LEHR (GESELLSCHAFT FÜR WIRTSCHAFTLICHE STRUKTURFORSCHUNG MBH): ***MORE BASKETS? - RENEWABLE ENERGY AND ENERGY SECURITY***
- Jelena ZORIC, Nevenka HROVATIN (UNIVERSITY OF LJUBLJANA): ***ATTITUDE TOWARDS GREEN ELECTRICITY CONSUMPTION IN THE NEW EU MEMBER STATES: A CASE OF SLOVENIA***
- Slavica ROBIĆ, Nenad DEBRECIN (UNIVERSITY OF ZAGREB), Diana OGNJAN (HEP RENEWABLE ENERGY SOURCES): ***PROFITABILITY AND THE FEASIBILITY OF THE PHOTOVOLTAICS IN CROATIA – ANALYSIS OF TECHNICAL, ECONOMICAL AND LEGAL ASPECTS***
- Dorian LITVINE (UNIVERSITY OF MONTPELLIER), Rolf WÜSTENHAGEN (UNIVERSITY OF ST. GALLEN): ***OVERCOMING BARRIERS TO PURCHASING GREEN ELECTRICITY - EMPIRICAL EVIDENCE FROM SWISS HOUSEHOLDS***
- Robert LUNDMARK, Shima SHAHRAMMEHR (LULEÅ UNIVERSITY OF TECHNOLOGY): ***ARMINGTON ELASTICITIES OF INTRA-EUROPEAN TRADE WITH WOOD BIOENERGY PRODUCTS***
- Amanbir GREWALD, Ugur IPEK (NHH): ***ENERGY POLICY REVIEW FOR EU ACCESSION COUNTRIES, THE CASE OF CROATIA***

SESSION 7-II: RENEWABLES: CASE STUDIES -

Radetzky App.III | Thursday | 13:45-15:30

- Omvir CHAUDHRY, Anusha SIRIGIRI (BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE): ***DYNAMIC CGE MODELLING AND ANALYSIS OF THE INDIAN ECONOMY AND ENERGY EFFICIENCY***
- Gunther BENSCH, Jochen KLUVE, Jörg PETERS (RWI ESSEN): ***IMPACTS OF RURAL ELECTRIFICATION PROGRAMMES – EVIDENCE FROM RWANDA***
- Peter GYURIS (Geonardo Ltd): ***PELLETS@LAS PROJECT, METHODS AND RESULTS***

SESSION 7-IV: URBAN AND RURAL ENERGY USE

- Maria Theresien App.I | Thursday | 13:45-15:30

- Olivier POL, Ute GIGLE (AIT), Maria-Rosaria DI NUCCI (FREIE UNIVERSITÄT BERLIN): **INTEGRATION OF DEMAND AND SUPPLY SIDE ACTIVITIES IN CONCERTO COMMUNITIES: A PRELIMINARY ASSESSMENT OF PLANNING AND IMPLEMENTATION MECHANISMS FOR SUSTAINABLE LOCAL ENERGY STRATEGIES**
- Heimo BÜRBAUMER (AUSTRIAN ENERGY AGENCY): **STRATEGIES FOR E5 AND THE EUROPEAN ENERGY AWARD® – A TOTAL QUALITY MANAGEMENT SYSTEM FOR COMMUNAL ENERGY-RELATED ACTIVITIES ON ITS WAY TOWARDS AN INTEGRATED CLIMATE PROTECTION PROGRAM FOR COMMUNITIES AND REGIONS**
- Michael DALTON (U.S. NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION), Brian C. O'NEILL (NATIONAL CENTER FOR ATMOSPHERIC RESEARCH), Katarína ZIGOVÁ (INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS): **ENERGY CONSUMPTION PREFERENCES AND CHANGES IN HOUSEHOLD STRUCTURE. THE CASE OF UNITED STATES**
- Mi HONG (ZHEJIANG UNIVERSITY), Zhou WEI (XIAMEN UNIVERSITY): **A SIMULATION RESEARCH ON CHINESE URBANIZATION AND ENERGY COMSUMPTION (2010-2040)**

SESSION 7-V: OIL AND GAS INDUSTRY III -

Radetzky App.I | Thursday | 13:45-15:30

- Sophia RUESTER (DRESDEN UNIVERSITY OF TECHNOLOGY): **TRUST AS A SHIFT PARAMETER IN THE EXTENDED TRANSACTION COST FRAMEWORK – A FIRST APPLICATION TO THE LNG INDUSTRY**
- Konstantinos G. GKONIS, Harilaos N. PSARAFTIS (NATIONAL TECHNICAL UNIVERSITY OF ATHENS): **CASPIAN - BLACK SEA - SE EUROPEAN GAS CORRIDORS AND THE LNG PARAMETER: A SCENARIO BUNDLES APPROACH**
- Franziska HOLZ (DIW BERLIN), Matthew MACAULEY (CLEMSON UNIVERSITY): **THE STRUCTURE OF THE EUROPEAN HIGH PRESSURE NATURAL GAS NETWORK: A GRAPH THEORY BASED ANALYSIS**
- Stephen P.A. BROWN, Mine K. YÜCEL: **MARKET ARBITRAGE: EUROPEAN AND NORTH AMERICAN NATURAL GAS PRICES**
- Yuri YEGOROV, Franz WIRL (UNIVERSITY OF VIENNA): **INTERNATIONAL GAS MARKETS: ECONOMICS, GEOGRAPHY AND POLITICS**
- Francisco Ebeling BARROS, Felipe Augusto DIAS (BRAZILIAN PETROLEUM INSTITUTE): **THE ROLE OF INSTITUTIONS IN THE DEVELOPMENT OF LATIN AMERICAN OIL INDUSTRIES: A EVOLUTIONIST AND ECONOMIC HISTORIC APPROACH**

SESSION 7-VI: WIND POWER AND ELECTRICITY MARKETS

- Geheime Ratstube | Thursday | 13:45-15:30

- Hans AUER (VIENNA UNIVERSITY OF TECHNOLOGY): ***AVOIDED EMISSIONS AND EXTERNAL COSTS IN THE EU27 MEMBER STATES UP TO 2030: STUDY ON THE ENVIRONMENTAL BENEFITS OF WIND ENERGY REPLACING FOSSIL-FUEL BASED ELECTRICITY GENERATION***
- Cedric DE JONGHE, Erik DELARUE, Ronnie BELMANS, William D'HAESELEER, (K.U.LEUVEN) : ***THE IMPACT OF LARGE-SCALE WIND POWER DEPLOYMENT ON THE FUTURE POWER GENERATION MIX***
- Carlo OBERSTEINER (VIENNA UNIVERSITY OF TECHNOLOGY), Marcelo SAGUAN (SUPELEC): ***ON THE MARKET VALUE OF WIND POWER***
- Marcelo SAGUAN (RSCAS – EUROPEAN UNIVERSITY INSTITUT), Fabien ROQUES (UNIVERSITY OF CAMBRIDGE), Olivier MESTRE (METEO FRANCE), Céline HIROUX, Sebastian LIBONNATTI (UNIVERSITY OF PARIS XI): ***CHARACTERISTICS OF THE FRENCH WIND RESOURCE: LONG-TERM PATTERNS, RELATIONSHIP TO ELECTRICITY DEMAND AND PORTFOLIO ANALYSIS***
- Matthias PICKL (UNIVERSITY OF APPLIED SCIENCES KUFSTEIN), Erich WAGNER (ENERGIEALLIANZ), Franz WIRL (UNIVERSITY OF VIENNA): ***THE IMPACT OF INTRODUCING 7-DAY-TRADING ON THE AUSTRIAN ELECTRICITY MARKET***

SESSION 7-VII: TECHNOLOGICAL LEARNING -

Trabantenstube | Thursday | 13:45-15:30

- W.G.J.H.M. VAN SARK, C.F. YU, E.A. ALSEMA (COPERNICUS INSTITUTE FOR SUSTAINABLE DEVELOPMENT AND INNOVATION): ***INCORPORATION OF INPUT PRICES AND SCALE EFFECTS IN A MULTI-FACTOR LEARNING CURVE FOR PHOTOVOLTAIC TECHNOLOGY***
- Nils ROLOFF, Wolfram KREWITT (GERMAN AEROSPACE CE), Ulrike LEHR (GESELLSCHAFT FÜR WIRTSCHAFTLICHE STRUKTURFORSCHUNG MBH): ***MODELLING THE EFFECTS OF TECHNOLOGY-PUSH AND DEMAND-PULL POLICIES ON TECHNOLOGICAL CHANGE IN THE ENERGY SECTOR - THE CASE OF PHOTOVOLTAICS***
- Kristina EK, Patrik SÖDERHOLM (LULEÅ UNIVERSITY OF TECHNOLOGY): ***TECHNOLOGY LEARNING AND RESEARCH IN WIND POWER: RETHINKING THE TECHNOLOGY DEVELOPMENT PROCESS***
- Frauke G. BRAUN, Jens SCHMIDT-EHMCKE (DIW BERLIN), Petra ZLOCZYSTI (FREIE UNIVERSITÄT BERLIN): ***INNOVATIVE ACTIVITY IN RENEWABLE ENERGY TECHNOLOGIES: EMPIRICAL EVIDENCE ON KNOWLEDGE SPILLOVERS USING PATENT DATA***
- Sondes KAHOULI (UNIVERSITÉ DE NANTES): ***SIMULTANEOUS EFFECT OF THE TECHNOLOGICAL LEARNING AND URANIUM SCARCITY ON THE NUCLEAR ENERGY TECHNOLOGY COST***

SESSION 7-VIII: HEATING -
Rittersaal | Thursday | 13:45-15:30

- Linda WÅRELL (LULEÅ UNIVERSITY OF TECHNOLOGY), Thomas SUNDQVIST (SWEDISH COMPETITION): **MARKET OPENING IN LOCAL DISTRICT HEATING NETWORKS**
- Alois KRAUSSLER, Matthias THEISSING, Michael WANEK (UNIVERSITY OF APPLIED SCIENCES JOANNEUM): **INSTATIONARITY AS A LIMITING FACTOR FOR THE USE OF INDUSTRIAL WASTE HEAT IN HEATING-NETWORKS**
- Nguyen HUU PHUC, Yoshiyuki MATS, Motonobu KUBO (YAMAGUCHI UNIVERSITY): **EFFICIENT EXPLOITATION OF WASTE HEAT: MANAGEMENT FOR A WASTE HEAT UTILIZATION PROJECT FROM ECONOMIC PERSPECTIVES**
- Bert DROSTE-FRANKE (EUROPÄISCHE AKADEMIE BAD NEUENAUHRAHRWEILER GMBH): **FUEL CELL HEATING PLANTS – CONTRIBUTING TO FUTURE VIABILITY OF ENERGY SYSTEMS**
- Johannes SCHMIDT, Erwin SCHMID (UNIVERSITY OF NATURAL RESOURCES AND APPLIED LIFE SCIENCES), Sylvain LEDUC, Georg KINDERMANN (INTERNATIONAL INSTITUTE FOR APPLIED SYSTEM ANALYSIS), ERIK DOTZAUER (MÄLARDALEN UNIVERSITY, SWEDEN): **POTENTIALS FOR BIOMASS FIRED COMBINED HEAT AND POWER PLANTS CONSIDERING THE SPATIAL DISTRIBUTION OF BIOMASS SUPPLY AND HEAT DEMAND: AN AUSTRIAN CASE STUDY**

15:30-17:00: Closing Plenary - Zeremoniensaal

“SCENARIOS FOR GLOBAL AND LOCAL PATHS TOWARDS SUSTAINABLE ENERGY SYSTEMS”

CHAIR: Georg ERDMANN (Berlin University of Technology)

- Nebojsa NAKICENOVIC (Vienna University of Technology)
- Gunnar LUNDBERG (Vattenfall, Sweden)
- Niels MEYER (Technical University of Denmark)