



Concurrent Session 1 - 26th June WED 14.00-15.30			
	AbsRef	Title Lang A	Authors
CS1.1 Regional - LATAM Room OO	659	Latin America can dispatch 100% renewable electricity by 2050 – the Colombian case	Isaac Dyrer
	304	The Crossroads of Change: Latin America's Energy Dynamics and Global Impact	Ricardo Raineri
	590	Decarbonization in the Brazilian Amazon: a roadmap for energy transition in remote communities	Joisa Dutra, Edson Daniel Lopes Goncalves, Diogo Lisboa Romeiro, Luciana De Andrade Costa
	164	The impact of critical minerals endowment on green economic growth in Latin America	Young Kyu Hwang, Ángeles Sánchez Díez, Roula Inglesi Lotz
CS1.2-Hydrogen - H Room 312	4	Energy policy pathways to inform climate policy in Saudi Arabia	Walid Omar Matar, Noura Mansouri, Evar Umeozor
	50	Mapping China's Hydrogen Energy City Clusters: Old and New Synergistic Effects	Maoling Yuan, Ning Liu, Cuihong Zhang
	575	Lifecycle GHG emissions assessment for ammonia production in the US, China, and Saudi Arabia	Dongmei Chen, Yanjia Wang
	219	Emerging Energy Economics and Policy Research Priorities for Enabling the Hydrogen Sector	Rubal Dua
	543	Optimal trajectories of low-carbon fuels within development versus deployment debate: the case of hydrogen	Lionel Lemiale
	581	Optimizing the distribution of hydrogen production: Evaluation of centralized vs. decentralized approaches from an energy system perspective based on the case of Germany	Nikita Moskalenko, Jonathan Hanto, Enno Wiebrow, Konstantin Löffler, Karlo Hainsch
CS1.3- Natural Gas -NG Room 201	156	Charting the Path for European Biogas and Biomethane: A Comparative Policy Analysis	Marzia Sesini, Anna Creti, Olivier Massol
	187	Assessment of the Local Content and Local Participation Around the Natural Gas Discoveries in Tanzania: A case Study of Songosongo and Mnazi Bay	Stephen Luke Kirama
	507	Joint gas purchasing in Europe: How could it change the market competitive forces?	Sid Ahmed Hamdani
	350	The role of natural gas in the transition to low-carbon and reliable power generation	Alexander Ermakov
	646	The EU's vulnerability to gas price and supply shocks: The role of mismatches between policy beliefs and changing global gas markets	Roberto Cardinale, Ivano Cardinale, Ivan Zupic



CS 1.4 Energy Modelling -ENM Room 204	627	Probabilistic analysis of power generation costs for 2050 carbon neutrality in the power sector of South Korea	Myeong Jin Jang, Hyun Jin Lee, Young-Hwan Ahn
	181	Impact of electrification and smart energy management on grid infrastructure	Philipp Mascherbauer, Lukas Kranzl, Miguel Martínez Velázquez
	341	Evaluating Building Decarbonization Pathways: A Comparative Multi-Model Analysis in the EU Context	Ece Özer, Lukas Kranzl, Andreas Müller, Şirin Alibaş, Robin Hasse, Theofano Fotiou, Behnam Zakeri
	372	Interfuel Elasticities in the OECD: Regional Variations and their Evolution	Daniel Gatscher, Svetlana Ikonnikova
	384	Navigating the Future: Assessing Long-Term Global Copper Supply Sustainability Amidst Ambitious Energy Transition Goals	Maylis Peyret, Frédéric Gonand
	506	Analyzing the effect of implementing CCS facility by using EnergyPlan	Jonghyun Park, Jinsoo Kim
CS1.5. Electricity Market - ELM Room 211	313	Electricity price formation schemes: a novel categorization of bid-based and cost-based market designs	Gabriel Cunha, Carlos Batlle, Luiz Augusto Barroso, João Pedro Bastos, Juliana Xavier, Ana Beatriz Werlang, Marcelo Resende
	348	Uncertainty on renewable energies (wind and solar) generation forecasts and impact on energy prices in France	Kangni Maurice Ekoue, Matt Woermann, Cédric Clastres
	368	On Some Advantages of Convex Hull Pricing for the European Electricity Auction	Nicolas Stevens, Anthony Papavasiliou, Yves Smeers
	399	Incentives to withhold cross-border network capacity in the European electricity market	Thomas Tangerås
	408	Cost Effective Capacity Markets	Christopher Holt, Christoph Graf, Burçin Ünel
CS1.6. Electricity Policy - ELP Room: FB	15	The implication of digitalization on future electricity market design	Rolando Fuentes, Bassam Fattouh
	102	Reducing the need for grid expansion through variable electricity grid tariffs in households	Carolin Monsberger, Benjamin Kirchler, Rosana Gomes
	124	An incentive scheme for storage investments to help reduce carbon emissions	Iacopo Savelli, Yuxin Xia, Thomas Morstyn
	160	Decarbonization efforts hindered by uncleanness and inefficient utilization of transmission lines	Bai Chen Xie, Yan Shen Yang, Yu Yang
	224	Heterogeneous effects of government energy assistance programs: Covid-19 lockdowns in the Republic of Georgia	Anna Alberini, Levan Bezhanishvili, Milan Scasny



CS1.7. Electricity (other) - ELO Room: OB	190	Bargaining under non-cooperative trading for peer-to-peer energy communities	Rodica Loisel, Lionel Lemiale
	217	Evaluating the accuracy of standard load profiles in the era of energy communities: A Monte Carlo simulation-based approach	Klara Maggauer, Bernadette Fina
	419	"Behind-the-meter" Estimation of solar self-consumption using machine learning and explainable AI	Mizue Shimomura, Alexander Ryota Keeley, Ken'ichi Matsumoto, Kenta Tanaka, Shunsuke Managi
	278	Hedging households against extreme electricity prices	Simon Brandkamp
	62	How much electricity storage does the energy transition need? The critical role of hydro availability, demand flexibility, and regulation	Pedro Linares, José Pablo Chaves, Javier García González, Andrés Ramos, Juan José Valentín
CS1.8. Transportation - TRNP Room: AK	241	Imperfect information in car investment decisions: results from an online labelling experiment	Ivan Petrov, Eleanor Denny, James Carroll
	252	The flexibility potential from smart charging of electric vehicles in Europe	Fabia Miorelli, Jens Schmutz, Hans Christian Gils, Patrick Jochem
	418	Unveiling preferences for smart electric-vehicle charging programs	Ricardo Daziano
	496	Reviving the Battery Life Cycle: Insights for Scaling Up EV Battery Recycling in Europe	Timm Hofer
	501	Shared Autonomous Electric Vehicles: Charging load profiles considering different charging strategies under given mobility demand and net load	Sophie Charlotte Westphal
CS 1.9 Energy and the Environment ENE Room: TE	78	Distributional impacts in an open economy of domestic and international climate policies	Taran Fæhn, Hidemichi Yonezawa
	89	Asymmetric effect of human capital on the ecological footprint within the EKC framework in Saudi Arabia	NAJLA ALMUTAIRI
	165	Analysis of the relationship between carbon dioxide emissions, energy supply from fossil fuel, energy consumption and gdp: Nigerian case	Al Amin Abba Jato Habib, Umar Hassan El Badawy, Eung Kyu Lee
	194	Effect of a European Carbon Border Adjustment Mechanism on the APAC Region: A structural gravity analysis	Toshi Arimura, Aline Mortha, Shiro Takeda, Tatyana Chesnokova
	213	Environmental Regulation and Innovation: An empirical analysis for group of EU Countries	Amjad Naveed, Cong Wang, Bahareh Berenjforoush Azar
	100	What drives emerging carbon credit markets – fact or fiction? An econometric analysis	Fatemeh (Marjan) Nazifi, Stefan Trueck



CS1.10. Renewables - RNW Room: EAB1-7	184	Net Metering Scheme for Solar Energy: How Are Costs and Benefits Distributed Between Households With and Without Solar Panels?	Carlotta Masciandaro, Michaela Kesina, Machiel Mulder
	343	An analysis of regulatory, social and financial barriers to energy community roll-out and countermeasures	Sovantania Kauv
	349	Understanding the behaviour of renewables under long term contracts – the case for power system management	Kevin Favre
	351	Empowering Progress: Global evidence on the link between women political empowerment and renewable electricity generation	Tobias Albrecht, Enrique Lopez-Bazo, Mònica Serrano
	354	Uzbekistan's energy transition: how to attract more investment in renewable energy	Surayyo Khakimovna Kushbakova
	396	Incentivizing winter solar PV production in regions with seasonal weather patterns	Mak Dukan, David Giger, Nicolas Schmid, Tobias Schmidt
CS 1.11 Energy Finance and Trading - ENFT Room: 301	60	Lessons from EU-ETS: Assessing Applicability in South Korea and Beyond	Hongyan Li
	236	Market-Linked Futures Contract: A Stackelberg Game Theoretic Approach	Gaurav Gupta, Anoop Singh
	323	Improving market design flexibility: analyzing strategic behavior with deep reinforcement learning	Viktor Zobernig, Regina Hemm, Stefan Strömer, Sarah Fanta, Jochen Cremer, Laurens De Vries
	347	Optimal design of scoring auctions with divisible goods for the hydrogen generation market	Jisu Sim, Jihyeok Jung, Deokjoo Lee, Kiho Yoon
	404	Market Design for Renewable Energy Forecasting	Jeonggi Lee, Changhyun Park, Deok Joo Lee, Kiho Yoon
	525	De-rating factors in regional capacity mechanisms with cross-border participation: the role of asymmetric national non-served energy values	Geovanny Marulanda, Antonio Bello, Pablo Rodilla Rodríguez, Paolo Mastropietro, Javier Reneses



Concurrent Session 2 - 26th June WED 16.00-17.30			
	AbsRef	Title Lang A	Authors
CS2.1-Hydrogen -H Room 301	20	Towards a resilient and cost-competitive global clean hydrogen market: future is green	Behrang Shirizadeh, Aurelien Ailleret, Augustin Guilon, Emmanuel Bovari, Sebastien Douguet, Johannes Trüby
	101	How can the European Hard-to-Abate Industries navigate decarbonisation? Analysing the Conditions for the Profitable Adoption of Clean Hydrogen	Tommaso Bonini, Svetlana Ikonnikova
	172	Navigating hydrogen pathways: comparison of life cycle emissions and costs for hydrogen production and import pathways to Germany	Christina Kockel, Aaron Praktiknjo
	210	Price scenarios and color distribution of future European hydrogen supply	Konstantin Lenz, Espen Andreassen, Magnus Jörg, Paul Anders, Raffael Hubich
	274	Green hydrogen market development and water issues	AGATINO NICITA, Gaetano Squadrino, Gaetano Maggio
	555	What matters most for Hydrogen R&D spending? Evidence from OECD Countries	Saheed Bello, David Reiner
CS 2.2 Energy Modelling -ENM Room 312	183	Optimizing Germany's energy transformation: Connecting labor markets, training strategies, and migration policies with energy system modelling	Philipp Herpich, Konstantin Löffler
	270	Implications of Energy Justice for Energy System Modelling – The Impact of Acceptance on the Energy Mix	Jonathan Hanto, Martha Hoffmann, Alexandra Krumm
	281	Modeling Ukraine's electricity sector decarbonization in 2035	Iryna Sotnyk, Jan-Philipp Sasse, Evelina Trutnevyte
	293	Does myopic foresight modeling better capture the real-world energy transition? Hindcasting in 31 European countries	Hui Shen, Xin Wen, Evelina Trutnevyte
	410	Energy expenditure, energy intensity and price pass-through	Dong Fu
	406	Industrial Fuel Demand and Interfactor Substitution: Evidence from Emerging Economies	Akinsehinwa Sharimakin, Saheed Bello
CS2.3. Electricity Market - ELM Room 201	13	Impact of green power trading mechanism on power generation and interregional transmission in China	Yan Shen Yang, Bai Chen Xie, Xu Tan
	52	Redistribution mechanisms for energy community-incurred grid costs	Bernadette Fina
	118	The impact of relative price on household electricity consumption	Yuxiang Ye, Steven F. Koch, Xianming Ye
	189	Optimal and Incentive-Compatible Scheduling of Flexible Generation in Electricity Markets	Ramteen Sioshansi
	196	Does Market Integration Reduce Market Power? Evidence from China	Bowei Guo



CS2.4. Electricity Policy - ELP Room 204	283	Simulating scenarios for preventing a coal addiction in Colombia	Juan Felipe Parra, Santiago Arango Aramburo, Yris Olaya, Erik R Larsen
	290	Heading towards democratic, sustainable and competitive electricity systems	Reinhard Haas
	302	Revolutionising energy: the role of flexible hydrogen production in New Zealand's renewable electricity future	Stephen Poletti, Summer Campbell, Selena Sheng, Simon Tao, Le Wen
	337	Gaming Frontier Regulation of Electricity Network Utilities through Strategic Mergers	Olvar Bergland
	338	Peak-load pricing: demand response from electric vehicle charging in a field experiment	Floris Van Montfoort, Peter T. Dijkstra, Dávid Kopanyi, Machiel Mulder
CS2.5. Electricity (other) - ELO Room 211	564	Telescopic Tariffs & Indian Consumers: A Smart Meter Investigation of Elasticity	Madhav Sharma, Anoop Singh
	599	Determinants of electricity trade in the East African Community: "A Gravity model analysis"	Ronett Atukunda
	615	What will you Accept? A Socio-Demographic Analysis of Occupants' Preferences for Direct Load Control in Residential Buildings	Constanze Liepold, Reinhard Madlener
	154	Impact of monetary incentives on the adoption of direct load control electricity tariffs by residential consumers	Massimo Filippini, Davide Cerruti, Flora Marchioro, Jonas Savelsberg
	140	Social Vulnerability to long-duration power outages in Brazil	Edson Daniel Lopes Goncalves, Joisa Dutra, Rafael Souza, Luciana Costa, Jesse Dugan, Salman Mohagheghi
	294	Multi-Objective Transmission Expansion: An Offshore Wind Power Integration Case Study	Saroj Khanal, Christoph Graf, Zhirui Liang, Yury Dvorkin, Burçin Ünel
	483	The Role of Digitalization in Reducing Energy Poverty	Teresa Magina, Inês Carrilho-Nunes, Margarida Catalão-Lopes
CS2.6. Energy Access - ENA Room: FB	573	Modern universal energy access and socio-economic development	Alvin Richard Labeja
	607	Unveiling the health impacts of energy poverty in germany: a comprehensive analysis of objective and subjective indicators	Abigail Opokua Asare, Emmanuel Asane Otoo
	647	Fossil Fuel Subsidies and Energy Access: Opportunities and Challenges of Subsidy Reform for Globally Just Transition	Zeynep Clulow, David Reiner, Zeynep Clulow
	684	Does Environment and Health Awareness Matter for Household Fuel Choice? Empirical Evidence from Central Asia	Dina Azhgaliyeva, Wataru Kodama, Hans Holzhaacker



CS2.7. Transportation - TRNP Room: OB	37	India's Road Passenger Transport Energy Demand: An Assessment through Life Cycle Analysis	Yagyavalk Bhatt, Michael Samsu Koroma, Jitendra RoyChoudhury
	88	The Analysis and Prospect of CNPC's EV Charging Business	Xi Deng, Yun Peng, Feng Gao
	145	Consumer Preferences For Battery Electric Vehicles Considering Energy Mix: A US Choice Experiment Study	Jamal Mamkhezri
	188	Electric vehicles: when will they charge ahead? exploring the factors driving ev adoption	Mattheu van Aswegen, Roula Inglesi-Lotz
CS 2.8 Energy System Transition _ENST Room: AK	303	User-Centred Governance for the Cross-Border Transmission Network Investments in Europe	Diyun Huang, Geert Deconinck
	455	Planning Long-Term GHG Mitigation Pathways in GCC Countries: The Case of Qatar	Pankaj Kumar, Carlos Mendez, Ariane Millot, Pooya Hoseinpoori, Shivika Mittal, Maroua Benlahrech, Marcello Contestabile, Adam Hawkes
	465	The energy transition towards carbon neutrality: Evidence from China's low-carbon city pilot policy	Yishuang Liu, Xiujie TAN, Bin Ye, Jianxiang Xu
	541	Designing socially acceptable Swiss electricity supply scenarios for 2035 by linking population survey data and electricity supply modeling	Xin Wen, Julia Gonzalez Contreras, Isabelle Stadelmann Steffen, Evelina Trutnevte
	114	Energy regulators and the energy transition	Mark Jaccard
	115	Do economic trade-offs matter in climate policy support? Survey evidence from the United Kingdom and Australia	Ekaterina Rhodes, Chris Bell
CS 2.9 Energy and the Environment ENE Room: TE	331	Portfolio analysis of negative emissions technologies deployment under the 1.5°C pathway	Zeyu Wang, Fei Teng
	441	Life Cycle Greenhouse Gas (GHG) emissions Assessment of jet fuel production and consumption in the Kingdom of Saudi Arabia	Andres Felipe Guzman, Freddy Segundo Navarro Pineda
	468	Ecological impact of DC grid and charging infrastructure: comparison of DC- and AC-based typologies using life cycle assessment	Menna Elsobki, Philipp Daun, Christina Kockel, Aaron Praktijnjo
	602	Transition risks and sovereign debt costs	Djamel Kirat, Mouez Fodha, Chahir Zaki
	80	Assessing the CO2 Emissions and Energy Source Consumption Nexus in Japan	Kentaka Aruga, Md. Monirul Islam, Arifa Jannat
	330	The role of biochar in pursuit of China's carbon neutrality goal: A computable general equilibrium analysis	Xu Deng, Fei Teng



CS2.10. Energy and the Macroeconomy - ENM Room: EAB1-7	654	Impacts of Global Warming on Regional Energy and Economy: Uneven consequences arising from global warming-induced heating and cooling demand of households	Lin Ma, Taoyuan Wei, Kalle Nordling, Asbjørn Aaheim
	41	Long-run Causality and Short-term Adjustments: The Role of Financial Development and Renewable Energy in Reducing GHG Emissions in Africa	Nasir Aminu, Yi Wang, Nick Clifton, Mahe Shehu
	45	The Contribution of Energy to Economic Growth and Convergence	Nader Alkathiri, Abdulelah Darandary
	430	Macroeconomic Determinants of Renewable Energy Consumption in Tanzania	Abdon Stephen Msechu, Rosemary Stanley Taylor
	480	Definition and Analysis of Macroeconomic Key Indicators for Technology Assessment in the Context of the Energy Transition	Jonas Eschmann
	122	Jobs impacts of carbon tax - revenue recycling for jobs and growth	Ulrike Lehr, Gilang Hardadi, Hector Ben Pollitt, Ira Irina Dorband
CS 2.11 Energy Finance and Trading - ENFT Room: OO	157	Clean Energy Market and Safe-haven Commodities: New Empirical Insights	Kamal Smimou, Wajih Khallouli
	239	Thriving on uncertainty: strategic interaction and long-term supplier contracts in oligopolistic settings	Peio Alcorta, Maria Paz Espinosa, Cristina Pizarro Irizar
	33	Sustainability disclosure: An opportunity or a challenge for corporate market and financial performance?	Yuqing Zhong, Presley K. Wesseh
	129	Energy transition and non-energy firms' financial performance: Do markets value capability-based energy transition strategies?	Selahattin Murat Sirin, Berna N Yilmaz
	547	Financial participation and adoption of renewable technologies - a proper design is needed!	Barbara Breitschopf



Concurrent Session 3 - 27th June THU 11.00-12.30			
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CS3.1-Hydrogen -H Room 301	630	The Dual Role of Low-Carbon Ammonia in Climate-Smart Farming and Energy Transition	Ning Lin, Haoying Wang, Lorena Moscardelli, Mark Shuster
	487	No grid is an island – The delegated act on renewable fuels of non-biological origin in an integrated european energy system model	Oliver Linsel, Valentin Bertsch
	642	Heterogeneity in Willingness-to-Accept Compensation Measures for Hydrogen Infrastructure in Germany	Ayse Tugba Atasoy, Reinhard Madlener
	513	Towards a feasible and climate goal aligned Hydrogen Pipeline Infrastructure: A scenario-based analysis for Germany	Franziska Monika Hoffart
	710	Reducing energy poverty and carbon dioxide emissions: The potential role of hydrogen - Energy Modelling Study	Mustafa Adel Amer, Abubakar Abbas, Amin Naderian
	512	Ramp-Up of Low-Carbon Hydrogen Imports to Europe: Case Studies and Transformation Pathways for Green and Blue Hydrogen	Nima Farhang-Damghani, Jonas Egerer, Veronika Grimm, Philipp Runge
CS 3.2 Energy Modelling -ENM Room 312	97	Pathways to 100% Clean Electricity for a New City: Supply-demand Model and Policy Analysis for Nusantara, Indonesia	Ardhi Rasy Wardhana, Rio Pramudita Kaswiyanto
	113	Decarbonization of aviation and motor vehicles: Effects of changing bioenergy demand on United States agriculture under climate change	Jerome Dumortier
	299	Using a spatial economic and modeling time-series simulation to analyze energy, transportation, and housing implications of a megaproject in Riyadh	Abdel Rahman Muhsen, John Abraham, Geraldine Fuenmayor, Paul Mcmillan, J.d. Hunt
	340	Reflecting Uncertainties in District Heating Supply Modelling: A Comparative Analysis of Multistage Optimization Techniques	Ali K�k, Lukas Kranzl
	509	Modelling the sensitivity of the European electricity system to Belgian and German nuclear policies	Sergio Leo Vargas Aranda, Erica Ramirez, Maxence Cordiez, Bertrand Charmaison, Emma Moulan
	562	Marginal Abatement Cost of Power Sector for Korea’s NDC considering Stochastic Approach	Hyeonjin Lee, Myeongjin Jang, Younghwan Ahn



CS3.3. Electricity Market - ELM Room 201	201	Value of Lost Load estimation for residential sector in South Korea using lost leisure and stated preference method	Taeyoung Jin
	212	Profitability of price-maker batteries in day-ahead electricity markets	Arjen Veenstra, Machiel Mulder
	268	Bidding on Combinatorial Electricity Auctions	Thomas Hübner, Gabriela Hug
	288	Can Residential Demand Response Unlock New Potentials in Low Carbon Capacity Markets?	Rahmat Poudineh, Dimitra Apostolopoulou
	300	Power Shift: Decarbonization and the New Dynamics of Energy Markets	Ricardo Raineri
CS3.4. Electricity Policy - ELP Room 204	403	Economics of grid interconnections: a heterogeneous markets' design context	Anas Damoun, Rahmat Poudineh, Anas Damoun
	439	Benchmarking operational and quality of service parameters for electricity distribution utilities: A three-stage data envelopment analysis approach	Sufia Sufia, Anoop Singh, Shambhavi Mishra
	475	Cost evolution of smart electricity meters: Deciphering two decades of deployment history	Dantu Lu, Masaru Yarime, Magdalena Klemun
	477	An incentive based regulatory framework for regulated tariff determination of electricity generating plants	Shambhavi Mishra, Anoop Singh
	478	Alternative clearing mechanisms for regional power markets to deal with national fuel subsidies	Miguel Ángel Barruso Recuero, Pablo Rodilla Rodríguez, Carlos Batlle
	53	Energy Policy in Morocco: Analysis of the National Energy Strategy's Impact on Sustainable Energy Supply and Transformation	Sakhraoui Khadidja,, Agadi Redha, Von Hirschhausen Christian, Güvenc Sarper Ege
CS3.5. Electricity (other) - ELO Room 211	259	Assessing Consumer Behavior in The Adoption of Residential Solar PV Systems	Shahriyar Nasirov
	273	Estimating demand response potentials of domestic appliances	Febin Kachirayil, Yohei Yamaguchi, Chien-fei Chen, Russell McKenna
	132	Flexible Storage Commitment in Energy Management Systems under Uncertainty	Dimitris Floros, Xiaodong Zhang, Mauricio Hernandez, Dalia Patino-Echeverri
	346	Welfare redistribution through flexibility - Who pays?	Nils Namockel, Polina Emelianova
	382	Persistence of aggregate electricity demand: a lagged response to temperature	Sara Floriana Zanini, Francesco Pietro Colelli, Federico Bruno Pontoni, Sara Floriana Zanini, Francesco Pietro Colelli
	533	Risk Management for Electricity Systems	Alberto J. Lamadrid L, Audun Botterud, Shijia Zhao, Jhi Young Joo



CS3.6. Energy Efficiency - ENEF Room: FB	144	Determinants of energy-efficient appliance purchases and energy-saving behaviour of Spanish households	Amaia de Ayala, Alaitz Artabe
	151	Informality and energy efficiency in African countries: Evidence from symmetric and asymmetric (nonlinear) panel ARDL cointegration approach	Princewill Okwoche, Milan Ščasný
	367	Willingness-to-pay for energy saving measures and the impact of retrofit grant scheme	Janez Dolšak, Nevenka Hrovatin, Jelena Zorić
	500	Trigger my motivation and remove my barrier: A latent class analysis of homeowners' perception about home energy retrofit	Shutong He, Queena Kun Qian, Jarry Porsius
	321	Demand response system and private values: a SDDP-based guideline for mass deployment	Julien Ancel, Olivier MASSOL
CS3.7. Transportation - TRNP Room: OB	567	Economic and environmental impacts of road transport electrification in Saudi Arabia: A scenario analysis	Muhammad Javid, Raed Almestneer
	580	Spatial Distribution of EV Charging Infrastructure in Germany: An Exploratory Analysis of Determinants	Emmanuel Asane Otoo, Bernhard C. Dannemann
	617	Sharing is Caring. A Choice-Based Conjoint Analysis of Wallbox Sharing Preferences in Germany	Paul Fabianek, Reinhard Madlener
	625	Power system optimization for renewable energies, stationary batteries and electric vehicles	Bibata Sagnon
CS 3.8 Energy System Transition _ENST Room: AK	549	Transformation and implementation Roadmap to Smart Grid Technologies in Uganda	Hassan Bashir, Bosco Amerit, Yunia Musasizi Alele, Florence Nakajubi, Felister Birungi
	557	The Energy Transition in Two Speeds: Path Dependencies and Segregated Network Effects in Smart Meter Adoption Decisions in Germany	Swaroop RAO
	643	Quest to accelerate energy transition policy reforms in Tanzania	Aloyce Shabam Hepelwa
	208	What is Optimal Market Splitting? Review of Clustering Techniques on Nodal Pricing	Lucas De La Fuente, Dimitrios Glynos, Lisa Lorenz, Dominik Möst
	233	A Review of Offshore Wind Leasing and CfD Subsidy Allocation in the UK: 1999 – 2023	Thomas Godfrey-Brown, Suguang Dou, Ajit Pillai, Iraklis Lazakis, Thomas Morstyn



CS 3.9 Energy and the Environment ENE Room: TE	427	Biogas- based clean cooking: A fair and Sustainable energy transition in Uganda	Maureen Kizza Lugolobi, Nicholas Mukisa Mukisa, Sam Muyiwa Adaramola
	204	Decarbonizing in the Upstream Oil and Gas Sector in Indonesia: Financing Challenges and Opportunities in Deploying CCS/CCUS Projects	Dian Permata Sari Mashari, Luky Agung Yusgiantoro, Rudianto Rimbono
	414	From Waste to Commodity: Leveraging Game Theory in the CCUS-Driven CO2 Market - A Case Study in Cyprus	Matheos Giakoumi, Charalampos Konstantinou, Philippine Burdeau, Panos Papanastasiou, Federico Pontoni
	548	The Economics of Carbon Dioxide Removal Technologies using Equilibrium Modelling	Romain Presty, Olivier MASSOL, Pascal Da Costa
	569	The future role of permanent carbon removal in the EU emissions trading system	Darius Sultani, Sebastian Osorio, Claudia Günther, Michael Pahle, Katrin Sievert, Tobias S Schmidt, Bjarne Steffen
	198	Carbon Tax impact on ASEAN energy system: an input output analysis	I Dewa Made Raditya Margenta, Indira Pradnyaswari, Ambiyah Abdullah, Beni Suryadi, Ardilla Syakriah, Muhammad Shidiq
CS3.10. Energy and the Macroeconomy - ENM Room: EAB1-7	242	Asymmetric effects of oil prices on Saudi Arabia's non-oil trade balance. Insights from NARDL and Autometrics	Majed Almozaini, Fakhri Hasanov
	522	Transitioning to Net-Zero: Macroeconomic Implications and Welfare Assessment	Javier Andrés, Jose E. Bosca, Rafael Domenech, Javier Ferri
	329	Energy prices and disaggregated household inflation: The Greek case	Stavros Degiannakis, Panagiotis Delis, George Filis
	463	Sectoral and economic wide implications of post and pre-combustion introduction to the Scottish Chemicals industry	Doungahire Abdoul Karim Zanhouno, Stephen Agyeman, Antonios Katris, Christian Calvillo
	597	Implemented energy policies with co-benefits: CO2 mitigation and budget revenues. Case study from Saudi Arabia	Heyran Aliyeva, Fakhri J. Hasanov
CS 3.11 Energy Finance and Trading - ENFT Room: OO	428	Green Investments Path: Environmental Performance through Strategic Ambidexterity	Fatima Shuwaikh
	519	Carbon financial risk and corporate leverage changes: Insights from China	Yishuang Liu, Xiujie Tan, Shufei Xiong
	528	Financing for the Brown	Hanmin Dong, Lin Zhang, Huanhuan Zheng
	434	Analysis on the clean energy investment network – focusing on the Middle East and North Africa	Soohyeon Kim, Youngeun Shin
	449	An investment strategy of energy listed companies based on community division	Xiaoqia Liu



Concurrent Session 4 - 27th June THU 16.00-17.30			
	AbsRef	Title Lang A	Authors
CS 4.1 Energy Modelling -ENM Room 301	152	The Path to 2060: Saudi Arabia's Long-Term Strategy for GHG Emission Reduction	Puneet Kamboj, Mohamad Hejazi, Yang Qiu, Page Kyle, Gokul Iyer
	127	Modelling the Long-Term Oil Demand Emerging from Petrochemical Feedstocks World-Wide	Raed Ali Al Mestneer, Carlo Andrea Bollino
	619	Paradigm shift in long-term decarbonization Scenarios? A review and results of an in-depth analysis of current IPCC data	Björn Steigerwald, Jens Weibezahn, Christian Breyer, Christian Von Hirschhausen
	535	Policies, biomass availability, and technical feasibility: what hinders the decarbonization of the global cement industry?	Lucas Desport, Carlos Andrade, Sandrine Selsosse
	560	Materials and water needs in a decarbonizing world, a long-term analysis based on TIAM-FR	Marie Thuong-Thuong Codet, Sandrine Selsosse, Seungwoo Kang
	54	Improving accuracy of energy system models for an efficient energy transition: basis-oriented aggregation and machine learning	David Cardona Vásquez, Bettina Klinz, Sonja Wogrin
CS4.2. Electricity Market - ELM Room 312	445	The Economic Challenges of Incorporating Consumer Reliability Preferences in Electricity Markets with Capacity Requirements	Frank A Felder
	458	The long-lasting misalignment between electricity market price and electricity system cost: a quantified analysis in France	Bianka Shoai Tehrani, Marcelo Sagan, Antoine Villeneuve, Marie Alix Dupré La Tour, Céline Ferec, Nicolas Grandhayé, Kevin Favre, Arnauld Guillotin, Marc Le Du, Vincent Rious
	474	Consumer data markets for a smart grid	Diego Cebreros, Yannick Perez, Jan Lepoutre, Pascal Da Costa
	485	Stackelberg competition with endogenous entry of intermittent producers	Abdel Mokhtari, Richard Ruble
	598	Externalities in the joint operation of hydro cascades: An assessment of the performance of different market-based solutions	Gabriel Cunha, Juliana Xavier, Marcelo Resende, Ana Beatriz Werlang, João Pedro Bastos, Carlos Batlle, Luiz Augusto Barroso
	538	Climate change impacts on flexibility needs in the future European electricity market	Demet Suna, Gustav Resch, Florian Hasengst, Nicolas Pardo Garcia, Peter Widhalm, Gerhard Totschnig, Franziska Schöniger, Herbet Formayer
	472	Multicriteria analysis forenergy storage technology valuation: economic simulation of energy scenarios in islands grids	Antoine Debille



CS4.3. Electricity (other) - ELO Room 201	49	A sythetic review of energy poverty in africa: spatioeconometric analytic paradigm	Usman Anka Abdulaziz, Bununu Aliyu Yakubu, Oladimeji Jeoseph Samuel, Ismail Musa Sani, Bawa Muhammed Abdulsalam
	460	Analysing flexibility needs and provision in a future European energy system in 2050	Florian Hasengst, Gustav Resch, Franziska Schöniger
	586	The effects of slicing shifts on the generation of representative periods for electricity generation expansion planning	Majd Olleik, Wael Khreich, Walid Nasr
CS4.4. Energy Efficiency - ENEF Room 204	82	Drivers of Industrial Energy Consumption in the Philippines: A Decomposition Analysis	Elvira Torres Gelindon
	398	Identification of technological returns to scale of solar power plants in China: a convex nonparametric least-squares approach	Xian-Peng Chen, Bai Chen Xie
	488	Flexible operation of combined heat and power fuel cells in energy systems dominated by intermittent renewables	Dennis Schneider, Tobias Stein, Christoph Weber
	438	Solar Energy Supported Compressor Waste Heat Recovery System	Orçun Zıgındere, Tolga Danişman, Feyzanur Öztürk, Volkan Karakurt, Berkehan Hayta
	453	Does the heat transition need regulatory policy instruments?	Lukas Kranzl, Andreas Müller, FATMA ECE ÖZER, Francesca Conselvan, Irma Imamovic
	499	Boosting long-term-oriented thinking to promote home energy retrofit: A choice experiment	Shutong He, Queena Kun Qian, Gerdien de Vries
CS4.5. Transportation - TRNP Room 211	70	Comparison of Proposed Market-based Measures to Reduce Greenhouse Gas Emissions from International Maritime Bunker Fuels	Nobuhiro Sawamura, Kazutomo Irie
	394	Towards deep decarbonization: Financing of CO2 transport in Europe	Katrin Sievert, Alexandru Stefan Stefanescu, Pauline Oeuvray, Bjarne Steffen
	305	Transitioning the maritime sector using hydrogen – Learning from past and present sectoral energy transitions	Nora N. Nezamuddin, Rolando Fuentes, Michael Samsu Koroma
	306	Is the Hydrogen Fuel Cell truck a better option to ride? A decision support with a real options approach	Oana Ionescu, Alain Kibangou
CS 4.6 Energy System Transition _ENST Room: FB	400	Valuing Transmission Investments in the European electricity market	Tobias Hlobil, Ozge Ozdemir, Lucas Smits, Adriaan Soetevent, Casper Vedder
	402	Wiring the Future: Uncertainties in European Grid Expansion	Tobias Hlobil, Ozge Ozdemir, Lucas Smits, Adriaan Soetevent, Casper Vedder
	628	Assessing the benefits of flexible load in future power systems	Julia Frayer, Victor Chung



	594	How can tidal range schemes ensure long-term economic sustainability and social benefits considering future energy market uncertainty?	Long Zhou, Christian Calvillo, Antonios Katris, Karen Turner
	202	Turbine Selection of Tidal Power Plant using AHP and SMART Methodes	Rachmat Hermawan
CS 4.7 Energy and the Environment ENE Room: OB	24	Decomposition analysis of household air pollutant emissions in West Africa: Cases of Ghana and Nigeria	Ken'ichi Matsumoto, Kwame Adjei-Mantey, Yosuke Shigetomi, Yuki Yamamoto, Tomoki Nakayama
	266	Social and Economic Impacts of E-Waste Recycling: The Case of Mobile Phones with the Cost of Carbon	Choi Min Ki, Kim JinSoo
	359	How is climate change going to impact our energy supply? Empirical evidence from Poland	Kinga Barbara Tchorzewska, Yuvraj Pathak
	193	Emerging Energy Economics and Policy Research Priorities for Enabling Carbon Capture and Storage	Rubal Dua
	269	Sustainability Reporting Policies and Stock Price Crash Risk: Evidence from Energy Industries in China	Kun Li, Pablo Benalcazar
	409	Uncertainties, Renewable Energy, and Merger and Acquisition in the Energy Sector	Jihad C Elnaboulsi, Wassim Daher, Mahalet Fikru, Luis Gautier
	CS4.8. Renewables - RNW Room: AK	32	Developers' perspective on barriers affecting distributed solar PV generations in Chile
489		The internationalization of global renewable energy finance	Sara Eberhart, Tobias Schmidt, Bjarne Steffen, Florian Egli
282		Peer influence and pv panel adoption dynamics: unravelling the impact on different adopter types	Hester Huisman, Evert de Haan, Machiel Mulder, Jaap Wieringa
515		The welfare effects of reindustrialization: the case of the European solar PV industry	Thibault Deletombe, Hyun Jin Julie Yu, Patrice Geoffron
536		Solar photovoltaic energy scenarios generation: a novel methodology for multi-area electricity markets	Diego Benito, Geovanny Marulanda, Jenny Cifuentes, Antonio Bello, Javier Reneses
CS 4.9 Energy Finance and Trading - ENFT Room: 1B103	39	Techno-economic feasibility study of solar photovoltaic power plant using RETScreen to achieve Indonesia energy transition	Dzikri Firmansyah Hakam, Hendry T Paradongan, Sudarso Kaderi Wiryono, Ayodele Asekomeh
	133	How financial de-risking can channel private capital toward the energy transition?	Clémence Lévêque, Vincent Jacamon, Clément Cartry, Behrang Shirizadeh
	417	Investigating drivers of risk premium in cost of capital for financing renewable energy projects in emerging economies vis-a-vis OECD countries	Amit Pinjani, Shashwat Nayak



	476	Public energy finance via export credit agencies: Trends and implications amidst the energy transition	Philipp Censkowsky, Paul Waidelich, Igor Shishlov, Bjarne Steffen
CS4.10.Nuclear Power - NP Room: EAB1-7	437	Questioning nuclear scale-up propositions in low-carbon scenarios – Availability and economic prospects of light water, small modular and advanced reactor technologies	Fanny Böse, Alexander James Wimmers, Björn Steigerwald, Christian von Hirschhausen
	456	Innovative Nuclear Power for Latin America? Breakthrough?, or Just More of the Same Stagnation?	Kristin Dietrich, Fanny Böse, Christian Von Hirschhausen, Alexander Wimmers, Björn Steigerwald
	493	Rationale and trade-offs of state involvement in nuclear decommissioning and waste management – case Studies from the United Kingdom and the United States	Niklas Wagner, Alexander James Wimmers, Christian von Hirschhausen
	495	The economic efficiency of non-light water reactors and their non-electrical applications in decarbonized energy systems	Alexander James Wimmers, Leonard Göke, Fanny Böse, Björn Steigerwald, Christian von Hirschhausen
	568	From Concept to Commercialization: Assessing Market Entry Scenarios for Fusion Energy	Sophia Spitzer, Florian Mayerhofer



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CS5.1-Hydrogen -H Room 301	405	Perspectives on future domestic hydrogen production from electrolysis and effects on electricity systems: The case of Central Europe	Lukas Maximilian Lang, Veronika Grimm, Philipp Runge, Christian Sölch, Johannes Wirth
	504	Levelized Cost of Green Hydrogen Production in the Antofagasta Region	Amara Villalobos, Carlos Silva, Claudio Agostini, Shahriyar Nasirov
	584	A Multi-Commodity Partial Equilibrium Model of Imperfect Competition in Future Global Hydrogen Markets	Lukas Barner, Lukas Barner
	653	The economics of global green ammonia trade – Shipping Australian wind and sunshine to Germany	Kiana Niazmand, Veronika Grimm, Philipp Runge, Jonas Egerer
	407	Incentives for pipeline decommissioning and repurposing in regulated grids	Christine Brandstätt
CS5.2- Natural Gas - NG Room 312	6	The Effects of a Shock to Critical Mineral Prices on the World Oil Price and Inflation	Jennifer Considine, Phillip Galkin, Emre Hatipoglu, Abdullah Aldayel
	128	The dynamics of interregional natural gas prices and their association with the oil price: Assessing market integration through cointegration and causality analysis	Jose Loureiro, Julian Inchauspe, Helen Cabalu
	130	LNG in 2040: the role of Europe	Sebastian Zwickl-Bernhard, Anne Neumann
	363	Pricing curves in European natural gas: A tale of liquidity, storage, and efficiency	Bjarne Sæther, Anne Neumann
CS 5.3 Energy Modelling -ENM Room 201	505	Understanding the Dynamics of the Renewable Energy Transition: A Determinant Index Approach	Fatih Yilmaz
	260	Climate Policy Modelling Scenarios for Efficient Space Cooling in India using Appliances Inventory Approach	Apurva Verma, Anoop Singh
	391	Weather effects in energy seasonal adjustment: an application to france energy consumption	Marie Bruguet, Arthur Thomas
	229	Research on the low-carbon transformation path of China's steel industry - based on CGE model	Xu Xiao, Yongna Yuan, Ying Fan
	301	Hydrogen development in Europe: Estimating metals and water consumption in Net Zero Emissions scenarios	Emmanuel HACHE, Vincent D'herbemont, Gondia Seck, Louis Marie Malbec



CS5.4. Electricity Policy - ELP Room EAB1-7	511	Capacity Remuneration Mechanisms for a Future Decarbonized Power System	Ingrid Sanchez Jimenez, L.J. de Vries, Kenneth Bruninx
	529	Dealing with renewables integration in the European balancing phase: A comparative study of the French and Belgian imbalance markets	Mathieu Richard, Boris Solier, David Prault
	532	Barriers to flexibility in Dutch day-ahead wholesale power market	Sugandha Chauhan, Laurens de Vries
	545	A Strategy for Flexibilization of Thermal Generation under Increasing RE Integration	Sonam Dolker, Anoop Singh
	644	Nuclear and hydrogen future role in POLES NZE scenarios	Silvana Mima, Kimon Keramidas, Adrien Bidaud
CS5.5. Energy Access - ENA Room 211	138	Bringing the heat: Does climate change exacerbate energy poverty in South Africa?	WiZelle Kritzinger, Roula Inglesi-Lotz
	240	The effects of energy accessibility on income inequality in Latin America and Caribbean countries	Karen Villarroel, Inês Carrilho-Nunes, Margarida Catalão-Lopes
	328	Transcending Energy Poverty: Contributions and Characteristics of China's Overseas Development Finance	Banban Wang, Yuchuan Xie
	425	Toward Equitable Energy Access in Tanzania: Challenges and Opportunities in Refugee Camps and Host Communities	Erasto Mathias Saganda
CS5.6. Energy Efficiency - ENEF Room: FB	18	Energy efficiency auditing in higher education buildings: case study of the sulaiman al-rajhi university model from an economic and environmental perspective	Mohammed Al Sadig Al Haj, Wael Mohammed Al Khmeshi
	150	Future residential electricity demand in Saudi Arabia and the role of energy efficiency	Mohammad Aldubyan
	185	Impact Assessment of Cooling Technology and Measures under Different Future Scenarios	Aadit Malla, Lukas Kranzl, Bruno Duplessis, Simon Pezzutto, Adrienn Gelesz, Derique Casio
	220	The impact of energy performance certificates and the display of monetary information on energy-efficient decision making	Ivana Jovovic, Jelena Zoric, Nevenka Hrovatin
	234	Cost-optimal design and operation of distributed energy systems: a comprehensive approach supporting corporate investment decisions	Tobias Stein, Dennis Schneider, Christoph Weber



CS 5.7 Energy System Transition ENST Room: OB	275	Paths towards shipping decarbonization: A global energy model of the merchant fleet	Arnaud Garnier, Pierre Marty, Rodica Loisel
	444	How manufacturing firms invest in clean technologies: carbon taxes, investment subsidies and learning	Guillaume Allart, Frédéric Gonand
	531	A heated debate - the long-term cost-efficiency of technologies and grid infrastructures for climate-neutral heating	Michael Moritz, Berit Hanna Czock, Oliver Ruhnau
	678	Thermal and catalytic pyrolysis of waste biomass towards renewable fuel: A comprehensive characterization of bio-oil and biochar	Ahmad Nawaz, Shaik Abdur Razzak
	135	Challenges to a Just Energy Transition in the APEC region: Applying lessons from past energy transitions in Japan	Kazutomo Irie
	546	Impact of Energy Transition on Profitability of Different Zero-Carbon Generation Technologies	Machiel Mulder, Arjen Veenstra, Xinyu Li
CS 5.8 Energy and the Environment ENE Room: AK	661	A Framework for Climate Change Risk Assessment for Windfarm Projects	Cem B. Avci
	481	Empowering women for environmental resilience: Unveiling the ongoing and immediate impacts of climate change on female empowerment in East Africa	Anna Oosthuizen, Roula Inglesi-Lotz
	111	Examining the interlinkage between co2 emissions and inclusive human development: unveiling the significance of effective institutions	Alanda Venter, Roula Inglesi Lotz
	609	Collaborative Patterns and Drivers in Carbon Dioxide Removal Academic Studies	Romain Presty, Emma Jagu, Olivier MASSOL
	695	Exploration of decarbonising the transport sector in New Zealand	Le Wen
	390	Splitting the bill for sustainability: An examination of the behavioral factors that determine consumers' willingness to pay for environmentally friendly product attributes	Marc Oliver Mehrer
CS5.9. Energy and the Macroeconomy - ENM Room: 1B103	29	Can U.S. strategic petroleum reserves calm a tight market exacerbated by the Russia-Ukraine conflict?	Noha Razek, Valentina Galvani, Surya Rajan, Brian Mcquinn
	214	Understanding Jobs Demand and Displacement Outcomes of Decarbonising UK Industrial Clusters	Christian Calvillo, Antonios Katris, Karen Turner, Abdoul Karim Zanhoun, Julia Race
	272	Crude Oil Prices and Indirect Tax Revenues: The Positive Impact on Economic Performance and Sovereign Risk Premiums in Oil-Importing Countries – A Case Study of Turkey	Irem Yendi Çetin, Serdar Varlık, Hakan Berument
	287	Energy intensity and structural changes: switching perspective	Claudia Amadei, Cesare Dosi, Francesco Jacopo Pintus



CS 5.10 Energy Finance and Trading - ENFT Room: 204	30	Climate Change and Corporate Financial Performance	LIAN LIU, John Beirne, Dil Rahut, Dina Azhgaliyeva
	67	Common factors behind companies' environmental ratings	Lucia Visconti Parisio, Gianluca Gucciardi, Elisa Ossola, Matteo Pelagatti
	537	Price Discovery and Volatility Spillover in Natural Gas International Markets: Pre- and Post-Russia-Ukraine War Analysis	Sahaj Wadhwa
	426	Emerging Economics and Policy Research Priorities for Enabling Investment and Financing of Climate and Energy Initiatives	Rubal Dua
CS5.11. Energy Security and Geopolitics - ENSG Room: OO	179	Evaluating criticality of strategic metals: Are the Herfindahl–Hirschman Index and usual concentration thresholds still relevant?	Pauline Bucciarelli, Emmanuel Hache, Valérie Mignon
	672	Zero Emission or Net Zero Emission Scenario! Which One Is Good for Sustainable Development?	Sami Alnuaim
	571	Modelling the implications of the European Critical Raw Materials Act on the value chain of lithium: can European sovereignty be achieved without sufficiency?	Vincent D'herbemont, Pauline Bucciarelli, Emmanuel Hache, Louis Marie Malbec
	670	Enhancing Disaster Response through Electric Vehicles (DAETEM)	Haluk Sayar, Cem Bekir Avci



Concurrent Session 6 - 28th June FRI 14.00-15.30			
	AbsRef	Title Lang A	Authors
CS6.1 Regional - Africa Room 301	327	Necessary and sufficient conditions for the sustainability of biofuels in africa: a qca case study of uganda	Bosco Amerit, Joseph Mpeera Ntayi, Muhammed Ngoma, Simon Echegu, Maria Nantongo
	645	Energy Issues and Energy Transition: Case of Tanzania	Stephen Luke Kirama
	666	Uganda's Perspective of the Just and Sustainable Energy Transition: Impact and Issues	Livingstone Senyonga
	334	Analyzing the relationship between carbon emissions, GDP growth and petroleum production in Uganda	GLADYS ROCHELLE KEMITARE, Siragi Luyima Magara, Maureen Lugolobi Kizza
CS6.2-Hydrogen - H Room 312	221	Techno-Economic Analysis of Floating Offshore Nuclear Systems for Hydrogen and Ammonia Production	Aleksander Ahmet Kavur, John E Parsons
	342	Global perspectives on low-carbon hydrogen deployment: a multi-regional feasibility study	Benjamin Trouvé, Emmanuel Hache, Valérie Mignon
	360	{Flexible electrolyzer operation: rethinking hydrogen supply and industrial demand in France by 2030}	Rind Alhage, Valérie Seguin
	379	Green Hydrogen: A Cost-effective Energy Storage Solution for Saudi Arabia	Majid M Alotaibi, Abdulaziz M Alotaibi, Awad B.S Alquaity
	374	Exploring cost drivers for region-scale development of subsurface hydrogen storage in Northern Appalachia, United States	Shruti Mishra, Gerad Freeman, Sumittra Ganguli, Nicolas Huerta
CS 6.3 Energy Modelling -ENM Room 201	605	Correlating Datacenter Energy Consumption to Renewable Sources and Emission Targets	Ashok Sunder Rajan, Taco Niet
	131	From Words to Watts: Applications and Trends of Sentiment Analysis in Energy Research	Jeana Tianyi Ren
	631	Generating Probabilistic Scenario Ensembles for Stochastic Unit Commitment	Dimitris Floros, Wei Wang, Mauricio Hernandez, Jordan Kern, Dalia Patino-Echeverri
	521	Power to the Regions - A Mixed Complementarity Problem (MCP) Model for Regional Perspectives on equilibrium RES expansion paths	Pia Willers, Amir Ashour Novirdoust
	503	The cost of missing regional investment incentives in zonal electricity markets – Case study for the German electricity system in a European context	Ulrike Pfefferer, Jonas Egerer, Veronika Grimm, Lukas Maximilian Lang
	620	Market Power and Incentive-Based Capacity Payment Mechanisms	Shaun McRae, Frank Wolak



CS6.4. Electricity Market - ELM Room 204	667	A model-based analysis of investments and dispatch in residential energy usage with different electricity rate designs	Roman J Hennig, Laurens J De Vries, Simon H Tindemans, Francesco D Sanvito, David Ribo Perez
	676	An Energy Systems Planning Model for the Sector Coupling	NIKOLAOS KOLTSAKLIS
	622	What are the economic conditions for the feasibility of a high renewable penetration power systems? Profitability and investment considerations for a hydrogen long duration storage	Sébastien Pezza, Sandrine Selosse, Edi Assoumou, Caroline Bono, Fabien Bricault
	245	Optimal electricity storage in a carbon free system - Taking things week by week!	Joachim Geske, Richard Green
	296	An Efficient, Load-Optimizing Algorithm for HVACs Load for Demand Response Applications	Mohammed Alhaider
CS6.5. Energy Efficiency - ENEF Room 211	365	Agent-based modelling of building energy-efficient retrofit adoption in neighbourhoods	Ardak Akhatova, Lukas Kranzl
	570	Assessing the impacts of building monitoring system in the identification and assessment of energy efficiency measures	Federico Orsatti, Giorgio Locatelli
	596	Role of portable air-conditioning on future energy demand in the French residential sector	André Mounier, Louis Gaëtan Giraudet, Philippe Drobinski
	452	Empirical Analysis On Influencing Factors of Home Energy Management System Implementation	Mieko Fujisawa
	469	Assessment of socioeconomic impacts of energy efficiency in multi-family buildings: case of Lithuania	Viktorija Bobinaite, Rimante Balsiunaite, Inga Konstantinavičiūtė, Vidas Lekavicius
CS6.6. Transportation - TRNP Room: FB	257	How does carpooling impact private car usage and ownership?	Nicolas Astier, Paul Dutronc Postel, Clément Malgouyres, Vincent Thorne
	267	Total Cost of Ownership analysis for passenger vehicles in Saudi Arabia	Michael Samsu Koroma, Abdulrahman Alwosheel, Anvita Arora
	298	Is carbon pricing policy effective in the shipping sector? A partial equilibrium model for fleet optimisation	Guewen Heslan, Rodica Loisel, Corinne Bagoulla, Pierre Marty
	482	Evaluating Urban Traffic CO2 Emissions via Spatial Analysis with Floating Car Data	Lama Yaseen, Nourah Al Hosain, Ibrahim Shatnawi, Abdelrahman Muhsen
	492	Future of shipping: fuel cells or dual-fuel engines?	Henri Busson, Pierre Marty, Maliha Farruz, Aaqif Ahmed, Hamza El Marouazi, Yeon Joong Kim, François Prevost



CS 6.7 Energy and the Environment ENE Room: OB	421	Cost path of hydrogen fuel cell technology based on multi-staged learning curve	Xue Wang, Hongyan Zhang, Liwei Fan, Peng Zhou
	566	Reuse of Abandoned Mining Sites as a Pumped-Storage Systems	Sergio Gonzalez, Carlos Silva, Eduardo Medina, Ashwani Tiwari
	371	The impact of social media discussions about installing photovoltaics on public perceptions: evidence from Chinese TikTok	Xiaoli Zhao, Ruonan Li
	473	The Determinants of Household Cooking Fuel Transition: Evidence from Rural India	Namrata Barik, Puja Padhi
CS6.8. Renewables - RNW Room: AK	170	Ocean Thermal Energy Conversion Technology for Sustainable Tourism in Small Island Developing States through Carbon Taxing: The Context of Maldives	Aminath Saadha, Ishihara Keiichi, Hideyuki Okumura, Takaya Ogawa
	285	Impact of renewables development on profitability of onshore wind and solar in Lithuania	Inga Konstantinavičiūtė, Paulius Kozlovas, Saulius Gudzius, Audrius Jonaitis, Viktorija Bobinaite, Saule Gudziunaite, Gustas Giedraitis
	318	The plant-side grid parity analysis of subsidy-free offshore wind power in China	Sijia Lin
	612	Can we go beyond 100% renewable race? Evidence from a French urban heating network	Oana Ionescu, Haikel Khalfallah, Adrian Bidaud, Silvana Mima
	618	Household Responses to the Tax Treatment of Income from Solar PV Feed-in in Germany	Jannik Fleiter, Ayse Tugba Atasoy, Reinhard Madlener
	237	A Meta-Analysis of Solar Forecasting Based on Skill Score	Thi Ngoc Nguyen, Felix Müsgens
	36	Coal Fired Power Plant Decarbonization with Cofiring Implementation (Case Study Lontar Coal Fired Power Plant)	Andi Rinaldi Hasan, Zulchan Ardiansyah
CS6.9. Coal and Petroleum CP Room: OO	205	APEC Coal Demand and Supply Perspective to 2050	Phung Quoc Huy
	42	Maintaining good organizational reputation for operational efficiency in mitigating petroleum shortages in the Nigerian deregulated downstream supply industry	Lucky Ubini Itsekor
	121	Managing the Oil Market Under Misinformation: A Reasonable Quest?	Hossa Almutairi, Axel Pierru, James Smith
	369	Fuel adulteration issues in Brazil: an economical and behavioral approach	Francisco Raeder, Niágara Rodrigues, Luciano Losekann



	308	The Impact of the 2022 Oil Embargo and Price Cap	Lutz Kilian, David Rapson, Burkhard Schipper
CS6.10. Environmental Policy ENVP Room: EAB1-7	470	Fair burden-sharing for climate change mitigation: a cooperative game theoretic approach	David Lowing, Emma Jagu Schippers
	658	Adaptation of small and medium sized enterprises to green transition in Türkiye: SWOT analysis based on expert opinions	Fehmi Görkem Üçtuğ, Levent Arslan
	462	On the implications of carbon removal & emission trading system designs	Flore Verbist, Jelle Meus, Jorge Andres Moncada, Pieter Valkering, Erik Delarue
	366	A literature review of economic incentives to upscale Carbon Dioxide Removal	Coline Seralta, Emma Jagu Schippers, Yannick Perez, Pascal Da Costa
	713	Assessing the effectiveness of the carbon border adjustment mechanism for reducing emissions in different product categories and the role of the energy transition in emission reduction	Üçtuğ, Ediger, Küçüker, Berk, İnan, Tuğcu
	442	European carbon prices: what impact on electricity prices in France?	Lauren Caquant, Sandrine Michel, François Benhmad
CS6.11. Energy Security and Geopolitics - ENSG Room: TE	55	Challenges and Opportunities in Turkey's Renewable Energy Sector: A Comprehensive Overview	Umud Shokri
	72	The Geopolitics of Oil Disruptions: An Industrial Level Analysis of Oil Sanctions on Global Oil Markets	Evar Umeozor, Emre Hatipoglu
	279	Supply chain risks of critical metals: sources and propagation	Xiaoqi Sun
	565	Enhancing Energy Security: A Techno-Economic Model for Assessing Tanzania's Diverse Energy Potential	Galila Khougali, Catalina Spataru
	358	Research on the Resilience of the Global New Energy Mineral Lithium Supply Network Under the Background of Frequent Risks	Junyi Fu, Qiang Wang, Cheng Yang, Qiaosheng Wu



PhD Session 25th June 09.00-12.00 Room: TE		
AbsRef	Title Lang A	Authors
699	Macro Model for Microgrid connections in Morocco: Implications for Water-Energy-Food Nexus	Khadidja Sakhraoui, Redha Agadi, Enno Wiebrow, Kristin Dietrich
700	The Effect of Education on Direct and Indirect Household Energy Consumption in Urban and Rural China	Lingxiu Zhu, Erik Dietzenbacher, Cuihong Yang
702	Smart Grids, Smart Pricing: Employing Reinforcement Learning for Prosumer-Responsive Critical Peak Pricing	Seyyedreza Madani, Pierre-Olivier Pineau
709	Exploring the Dynamics of Climate Change Perceptions on Energy Technology Preferences in Sub-Saharan Africa and MENA regions	Paola Casati, Fotios Kalantzis, Alessandro Rubino



Poster Session 1 26th June 12.30-14.00			
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	64	A Grey Forecasting Approach to Evaluate Non-fossil Energy Potential in Carbon-neutral China	Chaoyang Huang, Jikun Guo
	65	Regulation, Policy and its Impact on Net Zero Emission Transition Programs	Sitta Noviana
	84	Energy communities as the key to the heating transition: A case study on overcoming regulatory hurdles in Germany	Karl Seeger, Aaron Praktiknjo
	99	Sovereign-related Risks and Market Capitalization: A Study of Two Oil Companies in Emerging Markets	Alexander Zaborovskiy
	117	Energy security and sustainable development of oil and gas sector in Nigeria	Humphrey Oruwari, Lucky Iteskor
	153	The impact of digital financial inclusion on CO2 emission sub-Saharan Africa Countries	Nancy Muvumbu Mukalayi, Roula Inglesi Lotz
	155	A relational view on the EU ETS: Relational mechanisms as drivers of firm EUA trading behavior	Maksim M. Sitnikov, Remco S. Mannak, Nuno Oliveira, Leon A. G. Oerlemans
	192	Adapting to Heatwaves in the elderly population: Behavioral Patterns and Strategies	Elisabeth Bourgeois, Dorothee Charlier, David Grover
	248	Economic Trades in Energy Communities and Optimal Allocation	Laura Wangen
	265	Carbon border adjustment in the global trade network: measures to reconcile the competitiveness concerns	Xilong Yan, Ying Fan, Lianbiao Cui
	310	Multi-Time Scale Optimal Scheduling Model of Integrated Energy System with Flexible CCPP under Ladder-Type Carbon Trading	Wei Fan, Ying Fan, Xing Yao
	311	The synergistic impact of climate policy and green finance policy on emission reduction and transformation risks	Shanhua Zhang, Ying Fan, Hao Jin
	319	Role of Patents In Renewable Electricity Generation: Statistical Evidences From 18 OECD Countries	Yeongju Yun, Eunnyeong Heo
	326	Factor analysis on the integration of renewable energy and hydrogen in rural electrification in Kenya	Kianji Catherine Kathambi, Eunnyeong Heo



Poster Session 2 27th June 12.30-14.00			
Room: Özger Arnas			
	AbsRef	Title Lang A	Authors
	333	A Study on the Levels and Drivers of ESG Divergence among ESG Rating Agencies: Focus on Korean Companies	Jihyun Lee, Soohyeon Kim, Eunnyeong Heo
	336	Advancing Sustainability in Districts: A Comprehensive Review of GIS and Remote Sensing for Urban Energy System Modelling	Nirav Ashvinbhai Patel, Lukas Kranzl
	361	Uncertainty on renewables energies (wind and solar) generation forecasts and impact on energy prices in France	Kangni Maurice Ekoue, Matt Woermann, Cédric Clastres
	375	Electric Shadows: Understanding the Nexus of Coal Power Plant Failures and Air Quality Dynamics	Kinga Tchórzewska, Yuvraj Pathak, Rafał Jednoróg
	386	Modeling Prosumer Behaviour for Effective Demand Response Management in Positive Energy Districts	Reda El Makroum, Lukas Kranzl
	387	Dynamic grid environments: the evaluation of the economic impact of time-variable electricity prices and feed-in tariffs on renewable energy communities in austria	Helen Anais Fischer, Amela Ajanovic, Reinhard Haas
	413	Impact of green energy policies on sustainable development in resource-rich countries	Firyuza Nafasova, Yelena Kalyuzhnova, Olena Khlystova
	423	Reshaping Global Crude Oil Dynamics: The Impact of Western Sanctions on Russian Exports	Luis Eduardo Salazar, Anne Grau
	520	CEEG, A dataset on energy efficiency grade of white goods in mainland China at regional and household levels	Zonghan Li, Chunyan Wang, Yi Liu
	550	Microgrid Applications and Business Models in Agriculture: A Case Study of Algerian Farms	Redha Agadi, Khadidja Sakhraoui, Khadidja Sakhraoui, Christian Von Hirschhausen
	626	The energy infrastructure reinvestment provision of the united states inflation reduction act. where did the money go?	Ileana Braddock, Anne Grau
	5	Visualizing the Revised FIT for Solar PV in Taiwan	Ming Yang, Liao Huei Chu