

THURSDAY 30TH SEPTEMBER - 14:30 - ROOM A

ENERGY TRANSITION

CHAIRPERSONS: Paolo Carnevale - EniProgetti, Bernardo Principato - Eni

Paper Ref.	Title	Authors
O/TRANSITION/21	Wind2Sub: a cost-effective decarbonized technology for subsea field development	Mauries Benjamin , Arcangeletti Giorgio, La Sorda Enrico, D'Amico Amerigo, Delaplace Thomas - Saipem SA
O/TRANSITION/23	Modelling and Optimization of Cost Effective Compressed Natural Gas Loading & Unloading Processes for Transport at Sea	Capobianco Michele , Chinese Tancredi, Malabotti Stefano - CENERGY Srl, Taccani Rodolfo - University of Trieste
O/TRANSITION/24	Exploring Thermoelectric Generator Solar Hybrid Power Systems for Offshore Platforms	Williams Jeffrey - Global Power Technologies
BU/TRANSITION/25	The deployment of multi-stage completion systems enable efficient multi-zone hydraulic fracturing with significant time and cost optimization.	Raafat Ahmed , Samy Ahmed, Shaker Ahmed - Petrobel, Brambilla Ruggero - Eni

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METHODOLOGY

CHAIRPERSONS: Marco Pirrone - Eni, Vera Rocca - Politecnico di Torino

Paper Ref.	Title	Authors
O/METHOD/27	New Technological Development Model in Energy Transition Model	Mascellaro Marina, Zanibelli Laura , Voltaggio Mattia, Caluri Luisa, Fasani Stefano - Eni
O/METHOD/29	Predictive Analytics for Elastic Log Reconstruction: A Critical Driver for CCS Studies	Grilli Dalila , Pirrone Marco, Leone Andrea, Di Maggio Federica - Eni
O/METHOD/30	Development of Calculation Models for Estimating the Mechanical Characteristics of Components made with Additive Technology	Valentini Pierpaolo - Università Tor Vergata; Cioccarelli Diego, Ferrante Edoardo, Piscitelli Giuseppe, Costa Emiliano - Rina Consulting Spa, Colaneri Alessandro - Rina Consulting - CSM, SpA
BU/TRANSITION/31	Ensemble Model Calibration within a Structural Uncertainty Context	Aly Mohamed Amr, Anastasi Patrizia , Della Rossa Ernesto, Lo Forte Stefania - Eni

Speaker in bold

THURSDAY 30TH SEPTEMBER - 14:30 ROOM B**PRODUCTION OPTIMISATION****CHAIRPERSONS:** Dario Viberti - Politecnico di Torino, Paolo Macini - Università di Bologna

Paper Ref.	Title	Authors
O/PRODUCTION/38	Innovative Modular and Digitalized Subsea Sampling and Measurement System for Produced Oil and Gas	Monacchi Giulio , Aloigi Elvira - Saipem Spa, Radicioni Alessandro - Consultant
O/PRODUCTION/40	Real-Time Upstream Asset Optimization and Modeling through Advanced Algorithms and Artificial Intelligence	Cadei Luca - Eni
O/PRODUCTION/42	Monitoring System of the Landfall Microtunnel by Bragg Technology	Muraca Emanuel , Giambartolomei Tommaso, Colloca R., Ferrini Francesco, Farinelli Paolo - Techfem Spa
P/PRODUCTION/43	New data-acquisition platforms for low-risk pigs devoted to Flow Assurance and Asset Integrity	Di Lullo Alberto - Eni

THURSDAY 30TH SEPTEMBER - 16:15 - ROOM B**RESERVOIR****CHAIRPERSONS:** Antonella Godi - Energean, Christoforos Benetatos - Politecnico di Torino

Paper Ref	Title	Authors
O/RESERVOIR/44	Dynamic Reservoir Modeling of a Carbonate, Fractured Oil Field (Rospo Mare, Italy): a new Approach for Well History Matching and Production Forecast	Siliprandi Francesco , Bellentani Giuseppe, Di Cesare Luca - Energean Plc
O/RESERVOIR/45	Comparative Analysis of Machine Learning Classifiers in an imbalanced Facies Distributed Dataset from a Libyan Carbonate Reservoir.	Ben Saleh Walid , Mabruk Oil Operations Company and Misurata University, Sager Taha - Mabruk Oil Operations Company
O/RESERVOIR/46	Multidisciplinary Reservoir Study for Pilot CO2 Injection in Depleted Gas Reservoir	Martin Marco, Bonanomi Stefano, Grilli Francesco , Biason Emanuele, Brignoli Marco, Monaco Silvia, Ricci Simone, Cerdini Sandro, Morsetti Claudio, Bardini Silvia, De Simoni Michela, Masserano Franco- Eni SpA
O/RESERVOIR/47	Improving CO2-Foam Performance for EOR at Reservoir Condition	Gajbhiye Rahul N. - King Fahd University of Petroleum and Minerals

Speaker in bold

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CIRCULAR ECONOMY 3
CHAIRPERSONS: Elvia Aloigi - SAIPEM, Ivo Colombo - Geolog International

Paper Ref	Title	Authors
CE3/12/O	Territorial Deployment of Circular Economy in Coastal Cities	Chiavetta Cristian , Ciuffardi Tiziana, De Carolis Roberta, Salvatori Elisabetta - ENEA Dep.Sustainability
CE3/13/O	A holistic approach for promoting the blue economy growth: the case study of the Paguro wreck	Palma Marco , Pantaleo Ubaldo, Castelnuovo Nicola, Del Grande Carlo, Previati Monica - Ubica, Lezzi Marco, Pigozzi Silvia, Mazziotti Cristina - ARPAE Emilia Romagna, Soldati Michela, Ulazzi Silvia, Parrinello Matteo, Cillani Giulia, Medeghini Emanuela - Comune di Ravenna, Barelli Enrico - Ottaviani Ennio - OnAir Srl; Università degli Studi di Genova, Pinat Massimiliano - Istituto Ricerche Biologiche e Biotecnologie CNR (IRBIM), Visintin Francesca - eFrame srl, Fabi Gianna - Istituto Scienze Marine CNR (ISMAR)
CE1/05/P	New Ponticelle - From Remediation to Development	D'Emilio Daniele, Aprea Eleonora, Lagrotta Emanuele - Eni Rewind
CE3/15/O	Produced Water Treatment and Reuse in Oilfield Operation: Eni Rewind's Blue Water - Technology and application cases (MBW and TBW)	Rossini Manlio , La Grotta Emanuele, D'Aquila Gianluca - Eni Rewind

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NUCLEAR FUSION 1
CHAIRPERSONS: Eliana De Marchi - Eni, Paola Batistoni - ENEA

Paper Ref.	Title	Authors
O/NUCLEAR1/40	The European Programme towards a Demonstration Fusion Reactor	Federici Gianfranco - EUROfusion
O/NUCELAR1/41	Overview and Status of the ITER Project	Merola Mario - ITER Organisation
O/NUCLEAR1/42	Divertor TOKamak Testing Facility (DTT): a Test Facility for the Fusion Power Plant	Polli Gian Mario - ENEA FSN Dept. DTT
O/NUCLEAR1/43	Analysis of Membrane Separation System Configurations for the ARC Fusion Reactor	Field Randall, Yang Kuang Adam Qing, Lohyun Kim, Chun Man Chow, Aaron Persad, Chi Cheng, Karnik Rohit - Massachusetts Institute of Technology, Chiodini Andrea - Eni

Speaker in bold

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NUCLEAR FUSION 2

CHAIRPERSONS: Eliana De Marchi - Eni, Paola Batistoni - ENEA

Paper Ref.	Title	Authors
O/NUCLEAR2/48	Remote Handling system for the DTT Fusion reactor: a system engineering approach for preliminary conceptual design of the main robotic equipment	Lauretti Clemente , Grasso Tiberio, Favaretto Mauro, Dennis Indrigo Eniprogetti, De Marchi Eliana - Eni DTT, Grazioso Stanislao, CREATE Università di Napoli Federico II, Marzullo Domenico, CREATE Università Trieste, Di Gironimo Giuseppe, DTT, CREATE Università Napoli Federico II, Micicchè Gioacchino - ENEA, Parisi Miriam - Eni, Reale Andrea - DTT S.C.a.r.l. ENEA
O/NUCLEAR2/49	Integration of tools for management and control of fusion experiments	Buscarino Arturo, Avon Giuseppe - Università di Catania, Stillerman Joshua, Lane-Walsh Stephen, Santoro Fernando - Plasma Science Fusion Centrer MIT, Manduchi Gabriele - RFX Consortium, Sartori Filippo, Cabrita Neto André - Fusion for Energy, De Marchi Eliana, Zanon Fabio - Eni
O/NUCLEAR2/50	How fusion brings high-temperature superconductors into the energy industry	Fischer David - Massachusetts Institute of Technology
O/NUCLEAR2/51	The key enabling role of ductile amorphous ceramic coatings for the commercialization of thermonuclear fusion power	Paladino Boris, Di Fonzo Fabio - Center for Nano Science and Technology - CNST@PoliMI, Bassini Serena, Utili M. - ENEA - FSN-ING Div.

Speaker in bold