TRANSITION TO A SUSTAINABLE ENERGY MIX:
The Contribution of the Oil & Gas Industry

OMC 2017
RAVENNA
ITALY

29-31 March 2017

www.omc2017.it

CONFERENCE PROGRAM

OMC
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conference@omc.it

INTERNATIONAL EXHIBITION SERVICES
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exhibition@omc.it
I am particularly pleased to welcome delegates, exhibitors and visitors attending the 13th Offshore Mediterranean Conference and Exhibition here in Ravenna.

The past two years have been very rough for the economy due to turbulence in the market, with low oil prices affecting operators, service companies and contractors in the supply chain. Even if our industry recovery seems likely to begin, things will not be the same as before. Companies should adapt to this new reality by reshaping their organization, reducing costs and introducing more efficiency, being more careful with capital expenditures to reflect diminished expectations for oil prices.

In this scenario the theme of the Conference, “Transition to a Sustainable Energy Mix: the contribution of the oil & gas industry” will be declined from a number of angles throughout the entire conference programme starting with the Opening Plenary Session, in the panel discussions and in the technical sessions, providing a 360 degree view. Resilience, gas hub and low carbon economy are some of the keywords of OMC agenda.

Special attention is always dedicated to students. This 13th edition includes the event “Students of Today, Professionals of Tomorrow” where they can meet companies, attend a lecture on motivation and participate to SPE paper contest open to MSc and PhD students.

Finally, do not miss the opportunity to enjoy Ravenna’s beauty during your stay. With the support of the local authorities, Ravenna Festival and the many sponsors we have managed to set up a rich social programme at OMC venue as will as around the city centre.

Innocenzo Titone
Chairman OMC 2017
Welcome to all delegates to OMC 2017!
As Programme Committee of the Conference we have strived to deliver high quality and up-to-date contents. We are convinced the programme is offering a broad and comprehensive overview on the most recent industry trends in terms of technology, innovation and field lessons learnt. We highly recommend not to miss the poster sessions, where there is the unique opportunity to actively interact and discuss with the presenters. The panel discussions will offer an additional opportunity to listen to leading industry experts and thought leaders on hot topics such as staying competitive at low oil prices, the low carbon economy and the perspectives of the Mediterranean as a Gas Hub. Finally, the traditional Youth Programme will facilitate meeting with the new generation of our industry leaders.

We, the Programme Committee, believe these three days at OMC are an exclusive opportunity for all delegates to meet, discuss and - above all – plan for the future.

Roberto Cimino
Chairman of the Programme Committee
OMC 2017
OPENING SESSION

WEDNESDAY 29th MARCH 2017

9.00  INAUGURATION OF THE EXHIBITION

10.00 OPENING CEREMONY - WELCOME ADDRESSES

INNOCENZO TITONE, Chairman OMC 2017
MICHELE DE PASCALE, Mayor of Ravenna

10.30 OPENING PLENARY SESSION

“TRANSITION TO A SUSTAINABLE ENERGY MIX: THE CONTRIBUTION OF THE OIL & GAS INDUSTRY”
CARLO CALENDA, Minister of Economic Development, Italy

TAREK EL MOLLA, Minister of Petroleum, Egypt
JABBAR LUAIBI, Minister of Oil, Iraq
CLAUDIO DESCALZI, CEO Eni
MARC BENAYOUN, CEO Edison
AMINE MAZOUZI, CEO Sonatrach
REMI ERIKSEN, CEO DNV GL

Moderator: JAMES POLITI, Financial Times
CHAIRMAN
ROBERTO CIMINO / Eni / Italy

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TECNOMARE
UNIVERSITÀ BOLOGNA
WEATHERFORD

EDGAR KEUSER
SAMIR IBRAHEM HASSAN
ZAYED
FABIO INZOLI
FRANCESCA VERGA
GIUSEPPE GIANSANTE
MARIO MARCHIONNA
DARIO MOLTENI
MATTEO MISTRI
ABDERRAHMANE LADDADA
ALESSANDRO TIANI
EDOARDO DELLA ROLE
GIANCARLO CAVINA
DANILIO MADDALENA
PAOLO MACINI
GIOVANNI D’AMICO

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TECNOMARE
TOTAL

RICKY SIMIC
LAURA ANTONELLI
ATEF HESAM
UMBERTO SGAMBATI
GIULIANO AMBROSET
FRANCO NANNI
UMBERTO VITALI
ARMANDO FAVI
DARIO MOLTENI
ALBERTO PELLICOIA
MOHAMED NASSIM HALLAL
LUCIANO VASQUES
ROBERTO PASOLINI
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## PANEL DISCUSSIONS, SIDE EVENTS

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<td>Panel Discussion - The resilient oil &amp; gas industry: staying competitive at low oil prices</td>
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<td>Course on Advanced Methods in Safety Management of Offshore Oil &amp; Gas Activities</td>
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**Room A: Offshore Technologies**

**Chairpersons:** A. Rimoldi (Eni), F. Paoli (Schlumberger)

**O-OFFTECH1/107**

FIRST PROJECT DEPLOYMENT OF SEAM WELDED SUPER DUPLEX STAINLESS STEEL TUBES PROVES BENEFITS FOR LONG DISTANCE TIEBACK UMBILICALS  
Authors: Sophie Delettrez (Vallourec Umbilicals), Jean Philippe Roques (Total), Brian Robson (TechnipFMC - Technip Umbilicals)

**O-OFFTECH2/304**

A NEW APPROACH TO THE GIRTH WELDING OF CLAD PIPELINES  
Authors: Jonathan Bowers, Alessandro Sardo (Saipem)

**O-OFFTECH3/144**

AN INNOVATIVE APPROACH FOR OFFSHORE SUBSIDENCE MONITORING: TECHNOLOGY SCOUTING, FEASIBILITY STUDIES AND REALIZATION  
Authors: Roberto Miandro, C. Dacome, A. Mosconi, G. Roncari (Eni)

**O-OFFTECH4/262**

SYSTEM PRESSURE TEST FOR OFFSHORE PIPELINES - ARE THERE ALTERNATIVES?  
Authors: Olav Fyrileiv, Asle Venas, Olav Aamlid, Leif Collberg (DNV GL)

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**Room B: Petrophysics**

**Chairpersons:** E. Carcione (Geolog International), C. Pirmez (Shell)

**O-PETRO1/102**

PRESSURE DEPLETION EVALUATION BEHIND CASING USING PULSED NEUTRON TECHNOLOGY: AN APPLICATION IN A MULTI-LAYER GAS RESERVOIR IN EASTERN “PIANURA PADANA” BASIN  
Authors: Paolo Bartelucci, Massimiliano Borghi, Ada Crottini, Giuseppe Angelo Galli, Marco Pirrone, Giuseppe Rizzo (Eni), Roberto Nardiello, David Chace, Yonghwee Kim, Gigi Quiong Zhang (Baker Hughes)

**O-PETRO2/60**

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Authors: Haytham Sayed, Osama El Bakly, Mario Bello, Ashraf Saber, Laura Villani (Agiba Petroleum Company)

**O-PETRO3/103**

QUANTITATIVE SPECTRAL ANALYSIS OF NOISE LOG MEASUREMENTS FOR ENHANCED DYNAMIC CHARACTERIZATION OF COMPLEX RESERVOIRS  
Authors: Sara Cicione, Giuseppe Galli, Marco Pirrone, Nicola Raimondi Cominesi (Eni)

**O-PETRO4/120**

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Authors: Henry Enninful (Politecnico di Torino) Petro Babak, Jonathan Bryan, Apostolos Kantzas (University of Calgary)
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Chairpersons: A. Santandrea, (Newpark Drilling Fluids), F. Chinellato (Schlumberger)

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Authors: Mohamed Sobhy, Mohamed Khalil, Alessandro Mariani, Mostafa Salah, Santo Giannone, Samir Zayed (Petrobel), Eman Samir (Schlumberger)

O-NEWTECH2/24
ENI EXPERIENCE TO DRILL DEEPWATER HPHT MEDITERRANEAN WELLS WITH LOW MARGIN BETWEEN PORE AND FRACTURE GRADIENTS USING NEW TECHNOLOGIES AND AN ADEQUATE ORGANIZATION
Authors: Enrico Squintani, Arianna Sirugo, Mohamed Saleh, Valerio Bruni (Eni)

O-NEWTECH3/81
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Authors: Simone Gorini, Alberto Maliardi (Eni), Stefano Malavasi, Gianandrea Vittorio Messa (Politecnico di Milano University)

O-NEWTECH4/251
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Authors: Piergiorgio Gallarati (Wellynx Srl), Salvatore Bagnato (Edison), Dario Casciaro, Antonio Conte (Wellynx), Mariangela Maisano (Edison)

O-NEWTECH5/300
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Chairpersons: A. Cecchini (QE - Quotidiano Energia), B. Oudman (DNV GL)

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O-FLOW2/178
THE EFFECT OF ULTRASONIC WAVE ON THE REMOVAL OF INORGANIC SCALES: NAACL AND KCL
Authors: Jaber Taheri-Shakib, Hassan Naderi, Yaser Salimidelshad (Research Institute of Petroleum Industry, Tehran) Seyed Ahmad Hosseini (Politecnico di Torino)

O-FLOW3/43
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O-1HSE1/295
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O-1HSE2/307
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Authors: Giuliana Iazeolla, Carlo Alberto Cova, Melania Buffagni (Eni Upstream & Technical Services) Marina Accomnero, Chiara Giacchino (D’Appolonia), Maurizio Mariani (Eni), Luca Cassina (TEA Sistemi), Eugenio Napoli (D’Appolonia)

O-1HSE3/284
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O-1HSE4/292
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Authors: Anna Crivellari, Alessandro Tugnoli, Paolo Macini, Valerio Cozzani (University of Bologna)

Room C
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Chairpersons: G. Galli (Eni), E. Dellarole (TEA Sistemi)

O-PRODOPT1/105
UNLOADING TECHNOLOGIES SELECTION TOOL FOR DEWATERING SOLUTION
Authors: Pasquale Imbò, Simone Gorini, Claudio Passucci, Ferdinando Marfella (Eni)

O-PRODOPT2/31
MODELING THE IMPACT OF CONDENSATE BANKING PHENOMENA ON RICH GAS WELLS: A FIELD CASE STUDY
Authors: Smail Alioui, Ferhat Zelghi (Sonatrach-First Calgary Petroleums Association)

O-PRODOPT3/125
EFFECTIVE ZONAL ISOLATION USING ORGANIC CROSSLINKED POLYMER MAXIMIZED PRODUCTION OF MATURE FIELDS
Authors: Ahmed Sabaa, Ahmed Ragab, Ishak Attia, Ahmed Seleim, Ashraf Saber (Agiba Petroleum Company)

O-PRODOPT4/203
PRODUCTION ALLOCATION WITHOUT END MEMBERS: NOW IT IS POSSIBLE
Authors: Alfonso Amendola, Loredana Caldiero, Anita Maria Antonia Cerioli Regondi, Danilo Dolci, Roberto Galimberti, Micaela Nali (Eni)
Room D
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Chairpersons: M. Neubert (Baker Hughes), U. Tinivella (OGS)

O-GEOPHYSICS2/134
TECTONO-STRATIGRAPHY AND RESERVOIR FACIES OF SERRAVALLIAN-TORTONIAN SUCCESSION AND ITS IMPACT ON THE EXPLORATIVE POTENTIAL IN NORTHEASTERN OFFSHORE NILE DELTA BASIN, EGYPT
Authors: Mohamed Adel, Adel Zaki, Mohamed Nassar, Mohamed Abrar (Petrobel)

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Authors: Ahmed Kassem, Khaled Hemdan, Saber Sakr, Omnia Reda, Amira Saad (GUPCO)

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O-DRILLOPT1/118
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Authors: Fabrizio Zausa, Dolores Fusar Imperatore, Mohamed Saleh (Eni), Nicola Rossi, Fabio Concina (Kwantis)

O-DRILLOPT2/16
REDUCED RISK AND DOWNTIME ON CLOSE PROXIMITY DRILLING
Authors: Kjetil Nysater, Eirik Walle (ClampOn)

O-DRILLOPT3/59
AUTOMATED WHILE-DRILLING TELEMETRY SYSTEMS PERFORMANCE ANALYSIS AND SELECTION OPTIMIZATION IN UNDERBALANCED DRILLING OPERATIONS
Authors: Parvin Huseynov, Opeyemi Bello, Nelson Perozo, Javier Holzmann, Joachim Oppelt, Arash Asgharzadeh (Clausthal University)

O-DRILLOPT4/147
NEW APPROACH OF RESERVOIR MAPPING WHILE DRILLING TECHNOLOGY TO AVOID PILOT HOLE IN HORIZONTAL DRILLING APPLICATION
Authors: (Bergen University), C. Reddy, R.Nelson, J. Seewald, S. Sylva (Woods Hole Oceanographic Institution)
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Authors: Cesare Di Michele, P. Di Nardo (Proger), Antonio Guarnieri, Paola Letizia, Andrea Pedroncini, Andrea Crosta (DHI)

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Authors: Ada Saracino, Costanza Martina, Sarah Bonvicini, Valerio Cozzani (University of Bologna)

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Author: Mohamed Salah (Petrobel)

O-FIELDDEV2/217
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Authors: Matteo Albertini, Mario Prisco, Federica Villa, Olga Kolyubaeva, Michele Stefanucci (Eni)

O-FIELDDEV3/73
INNOVATIVE TECHNIQUE FOR EFFICIENT PLACEMENT OF MULTIPATTERN INFILL WELLS UNDER GEOLOGICAL UNCERTAINTY
Authors: Daniel Awofodu, Opeyemi Bello, Leonhard Ganzer, Joachim Oppelt, Javier Holzmann (Clausthal University of Technology)

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Authors: Samir Zayed, Santo Giannone, Samir Sizostris (Petrobel), Giuseppe Galli, Enzo Beretta, Fabio Roncarolo (Eni), Dave Fyfe (Metrol)

Room B
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Chairpersons: P. Macini (University Bologna), A. Lamberti (Eni)

O-EOR1/245
CO2 INJECTION IN CARBONATE RESERVOIRS: COMBINING EOR AND CO2 STORAGE
Authors: Fabiana Rotelli, Michela De Simoni, Laura Dovera, Marco Rotondi, Andrea Lamberti (Eni), Martin Blunt (Imperial College London)

O-EOR2/254
DESIGNING AND IMPLEMENTING ADEQUATE MONITORING PLAN FOR PILOT PROJECT OF POLYMER FLOODING IN BELAYIM LAND FIELD
Author: Mostafa Kortam (Petrobel)

O-EOR3/28
INVESTIGATING THE RELATION BETWEEN OIL RECOVERY FACTOR IN CARBONATE OIL RESERVOIR AND INJECTED WATER SALINITY
Authors: Mohammed Abdelhamid, Mohammed Shawky (Petrosilah), Usama Elnaggar (EPRI)

O-EOR4/253
USE OF X-RAY SATURATION MEASUREMENTS IN FLOW-THROUGH INVESTIGATIONS FOR THE CHARACTERIZATION OF TWO- AND THREE-PHASE RELATIVE PERMEABILITY OF CARBONATE ROCK
Authors: Leili Moghadasi, Fabio Inzoli, Alberto Guadagnini (Politecnico di Milano), Dario Renna, Martin Bartosek, Giuseppe Maddinelli (Eni)

Chairpersons: U. Tinivella (OGS), F. Paoli (Schlumberger)

O-WORKFLOW1/114

CSO: THE CATALOGUE OF ITALIAN OFF-SHORE SEISMICITY
Authors: M. Anselmi, P. De Gori, P. Buttinelli, C. Chiarabba (INGV)

O-WORKFLOW3/9

IDENTIFICATION OF PLIOCENE GAS PROSPECTS IN ONSHORE NILE DELTA-A CASE HISTORY
Authors: M. Said, H. Raslam, S. Sobhy, S. Rana, Mahmoud Elroribi (Dana Gas)

O-WORKFLOW4/137

NEW SEISMIC ATTRIBUTES ASSISTED INTERPRETATION OF SUBTLE STRATIGRAPHIC TRAPS IN NILE DELTA, EGYPT
Authors: Amr Talaat, Anas El-Belasy (Petrobel)

Room D
DEEPWATER TECHNOLOGIES

Chairpersons: F. De Cataldo (FMC Technologies), U. Vitali (Rosetti Marino)

O-DEEPWATER1/174

TECHNOLOGY DEVELOPMENTS IN PROCESSING AND POWER TRANSMISSION TECHNOLOGIES FOR LONG STEP-OUT SUBSEA APPLICATIONS
Authors: Marco Gabelloni, Truls Normann, Geir Inge Olsen, Rune Vesterkjaer (Aker Solutions)

O-DEEPWATER2/171
ACOUSTIC TECHNOLOGY FOR LARGE OBSTRUCTION DETECTION IN PIPELINES
Authors: Natalia Pierozzi, Paolo Catena, Davide Rossin (Saipem), Giancarlo Bernasconi (Aresys srl), Massimo Signori (Solgeo)

O-DEEPWATER3/258
SUBSEA SMART CROSSING: AN INNOVATIVE SOLUTION TO SIMPLIFY FIELD ARCHITECTURE AND ENABLE COST EFFECTIVE INSTALLATIONS OF SUBSEA PIPELINES FOR LONG-TIE BACKS, SCARP/CANYON CROSSINGS AND ULTRA-DEEP WATER APPLICATIONS
Authors: A. Kalia, T. Skorwoneck, A. Pinho, E. O’Neill (OneSubsea, a Schlumberger Company), S. Mebarkia, A. Cristsinelis (Chevron)

O-DEEPWATER4/180
INNOVATIVE ARCHITECTURES & TECHNOLOGIES FOR SUBSEA GAS FIELDS DEVELOPMENTS
Authors: Sadia Shaiek, Stéphanie Abrand (Saipem)

THURSDAY 30th March
14.30 - 16.05

Room A
GAS VALORISATION (1)

Chairpersons: M. Marchionna (Saipem), E. Covarrubias Villegas (DNV GL)

O-1GAS1/14
THE MIGRATE PROJECT: MARINE GAS HYDRATE - AN INDIGENOUS RESOURCE OF NATURAL GAS FOR EUROPE
Authors: Umberta Tinivella (OGS), Klaus Wallman (GEOMAR)
O-1GAS2/248
THE NEW ERA OF COMPRESSED NATURAL GAS TRANSPORTATION
Authors: Mirco Busetto, Andrea Cijan (Fincantieri Oil&Gas)

O-1GAS4/265
EXPLORING TECHNOLOGIES AND CONCEPTS FOR CREATING VALUE FROM FLARED AND VENTED GAS
Authors: Fabio Lo Brutto, Martin Layfield (DNV)

O-1GAS/264
ALTERNATIVE FUELS FOR POWER GENERATION WITHIN OIL AND GAS INDUSTRY
Authors: Stefan Fältén, Kari Punnonen (Wärtsilä Finland Oy)

Room B
SUBSEA PRODUCTION SYSTEMS: PROGRESS AND NEW TRENDS
Chairpersons: D. Maddalena (Eni Progetti), P. Johannesen (Aker Solutions)

O-SUBSEA1/27
POUNGING TUNED MASS DAMPER (PTMD): AN INNOVATIVE DAMPER FOR SUBSEA PIPELINE AND JUMPER VIBRATION CONTROLS
Authors: Akshay Kalia (OneSubsea, a Schlumberger Company), Devendra Patil, Siu-Chun Michael Ho, Gangbing Song (University of Houston), Marcus Lara (OneSubsea, a Schlumberger Company)

O-SUBSEA2/79
A NEW FAMILY OF UMBILICAL TERMINATION ASSEMBLY DESIGNED FOR ULTRA-DEEP WATER SUBSEA FIELDS
Authors: Gaetano Di Maio, Leonardo Lani, Michelangelo Fabbrizzi, Rocco Fedota (GE Oil & Gas)

O-SUBSEA3/290
FUTURE SUBSEA COMPRESSION
Authors: Leif Arne Tønnessen, Paolo Romanello (FMC Kongsberg Subsea)

O-SUBSEA/19
UNIQUE TECHNOLOGY FOR 3D INTEGRITY MONITORING OF SUBSEA PIPES
Authors: Baard Bratteboe, Geir Instanes, Audun Pedersen ( ClampOn)

Room C
NEW OPPORTUNITIES
Chairpersons: L. Hovem (DNV GL), P. Terdich (Edison)

O-NEWOPP1/210
WIN WIN - WIND-POWERED WATER INJECTION
Author: Francesca Feller (DNV GL)

O-NEWOPP2/195
IMPLEMENTING THE MONITORING AND RESTORATION OF MARINE ECOSYSTEMS IMPACTED BY OFFSHORE PLATFORM
Authors: Roberto Danovaro (Polytechnic University of Marche, Stazione Zoologica Anton Dohrn), Giulio Barone, Laura Carugati, Marco Lo Martire, Antonio Dell’Anno (Polytechnic University of Marche)

O-NEWOPP3/250
DEEP SEA MINING: AN OPPORTUNITY FOR THE ITALIAN OFFSHORE INDUSTRY?
Authors: Marko Keber, Luca Ambrosio (Fincantieri Oil & Gas), Angelo Camerlenghi, Federica Donda, Umberta Tinivella, Valentina Volpi (OGS Istituto Nazionale di Oceanografia e di Geofisica Sperimentale)
O-NEWOPP/270

RENEWABLE POWER GENERATION IN A TRADITIONAL HYDROCARBON ASSET: THE VALUE OF A SYNERGY
Authors: Donato Azzarone, Carmine Monti (Eni)

Room D
DATA DRIVEN OPTIMISATION

Chairpersons: R. Ruggiero (GE Oil&Gas), T. Sheikh Zeineddin (Total)

O-DATA1/169

FIELD APPLICATION OF KEY PERFORMANCE INDICATORS FOR DIGITAL OILFIELD TO MONITOR AND PREDICT PROCESS UPSETS
Authors: Ananio Rubanu, Paolo Cerri, Pietro Ciccorossi, Amalia Bianco, Silvia Masi (Eni)

O-DATA2/69

FIREFLY OPTIMIZATION, A NOVEL ALGORITHM TO THE ARENA OF ASSISTED HISTORY MATCHING
Authors: Mohamed Shams (Amal Petroleum Company)

O-DATA3/233

MAXIMIZING PROJECT VALUE WHILE MINIMIZING RISK: INNOVATIVE APPLICATION OF ROBUST OPTIMIZATION WITH USE OF PROXY MODELS
Authors: Angelo Esposito, Agostino Perrone, Riccardo Sabatino, Ernesto Della Rossa (Eni)

O-DATA4/257

REAL-TIME MONITORING OF BOP RELIABILITY
Authors: Luiz Fernando Oliveira, Joaquim Domingues, Frank Borre Pedersen (DNV GL)

THURSDAY 30th March
16.25 - 18.05

Room A
COMPLETION AND STIMULATION

Chairpersons: F. Cervini (Halliburton), R. Ferrario (Eni)

O-COMP&STIM1/37

CASE STUDY: APPLICATION OF COMBINED CHEMICAL TRACER TECHNOLOGIES TO OPTIMIZE COMPLETION PROCEDURES IN THE BLACK SEA OF ROMANIA
Authors: Ricardo Villasenor (ProTechnics CoreLab), Peter Janiczek, Alexandru Dragomir (OMV Petrom S.A.), Alex Alexandrou (ProTechnics CoreLab)

O-COMP&STIM2/155

EFFECT OF RESERVOIR DYNAMIC CONDITIONS ON CEMENT QUALITY OF NEW DRILLED DEEP WELLS DURING FIELD DEVELOPMENT - CASE HISTORY
Authors: Marwa Alqutt, Ashraf Saber, Mahmoud Fathy, Hatem Elshehaby (Agiba Petroleum Company), Justine Mirhom, Athman Abbas (Schlumberger)

O-COMP&STIM3/152

USE OF A DELAYED-RELEASE ACID TREATMENT FOR WELLBORE REMEDIATION IN OFFSHORE CARBONATE FIELD
Authors: Marco Colombo, Gabriele Restuccia, Pasquale Ricciardi (Eni), Freddy Jose Cedeno, Antonio Maria Galue, O.M. Gonzalez (Halliburton)

O-COMP&STIM4/286

SELF-SEALING RESILIENT CEMENTING SYSTEM ENABLES ZONAL ISOLATION IN CHALLENGING INJECTOR WELL: A CASE HISTORY IN THE UAE
### Room B

**GAS VALORISATION (2)**

**Chairpersons:** C. Mangia (Adriatic LNG), A. Godi (Edison)

#### O-2GAS1/95

**HOLISTIC FRAMEWORK FOR SMALL SCALE LNG STORAGE INVESTMENT EVALUATION**

Authors: Bartlomiej Zygmunt Kolosowski, Riccardo Castiglioni, Giulia Croce (DNV GL)

**O-2GAS2/15**

**METHODOLOGY TO QUANTIFY GAS HYDRATE PRESENCE BY USING REAL DATA AND THEORETICAL APPROACHES: EXAMPLE OF APPLICATION TO REAL CASES**

Authors: Umberta Tinivella, Michela Giustiniani (OGS)

**O-2GAS3/133**

**RELIABILITY, AVAILABILITY AND MAINTAINABILITY ANALYSIS TO OPTIMIZE SEND OUT PRODUCTION ON GAS FLOATING UNITS**

Authors: Karina Forte, Loïc Klein, Olivier Benyessaad (Bureau Veritas)

**O-2GAS4/215**

**ENERGY EFFICIENCY APPROACH IN THE O&G OFFSHORE OPERATION: OSV LNG PROPELLED**

Authors: Vittorio De Luca, Florinda Inchingalo, Vincenzo Tramontano (Eni)

### Room C

**COMPLEX SYSTEMS**

**Chairpersons:** E. Carcione (Geolog International), J. Oppelt (Clausthal University of Technology)

#### O-COMPLEXSYS1/139

**AN INNOVATIVE APPROACH FOR PERMEABILITY CHARACTERIZATION IN TURBIDITES SEQUENCES OF THE ADRIATIC SEA**

Authors: Fabio Rosetto, Ferdinanda Pampuri, Gabriele Ducì, Sandro Atzei, Fabio Rosetto (Eni)

**O-COMPLEXSYS4/296**

**CHARACTERIZATION OF THE RESERVOIR ROCK SATURATING FLUIDS BY THE NMR PERFIDI SEQUENCE**

Authors: Bhim Bahadur Bam (Eni), Ester Maria Vasini, Stefano Bondùa, William Bortolotti, Paolo Macini, Ezio Mesini (University of Bologna)

### Room D

**FLUIDS MANAGEMENT & APPLICATION**

**Chairpersons:** I. De Santo (Schlumberger), B. Pantermuehl (Newpark Drilling Fluids)

#### O-FLUIDS1/38

**COMPARISON BETWEEN TEMPERATURE TRANSIENT BEHAVIOR MODELLING AND FIELD DATA DURING CIRCULATION BEFORE CEMENTING IN HP/HT CONDITIONS**

Author: Antonino Merlo (Eni)

**O-FLUIDS2/150**

**HIGH PERFORMANCE WATER BASE FLUID IMPROVES WELLBORE STABILITY AND LOWERS TORQUE**

Authors: E. De Ninno (Fortiori), F. Arpini, L. Bussaglia (Newpark Drilling Fluids)
### TECHNICAL SESSIONS

#### O-FLUIDS3/287
**Feasibility Study of Managed Pressure Drilling Application for Overcoming Problems Faced in Conventional Drilling Practices in Mature Oilfields: Case Study Mansouri Oilfield, Southwest Iran**

Authors: Ahmadreza Hadinejad, Raffaele Romagnoli (Politecnico di Torino)

#### O-FLUIDS4/232
**Real Time Mud Monitoring System Improves Drilling Efficiencies**

Authors: Andrea Spelta, Antonio Ciucu, Matia Minelli, Fabio Parrozza (Eni)

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### Room B  
**Production**

#### O-PROD1/94
**Energy Efficiency Boosting: Field Application of an Innovative Integrated Production Optimization Tool to Maximize Production and Save Energy**

Authors: Sara Scaramellini, Paolo Cerri, Amalia Bianco, Silvia Masi (Eni)

#### O-PROD2/312
**Water Treatment on the Tempra Rossa Project**

Author: Taher Sheik Zeineddin (Total)

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### Room C  
**Decommissioning**

Chairpersons: F. Lo Brutto (DNV GL), P. Masiello (Rosetti Marino)

#### O-DECOMM1/57
**Disconnection of a Floating Production Storage and Off-Loading Unit – A Successful Case Study**

Authors: Carlos Friederichs, Fabio Coppetti (Eni), Sashi Gajula (Eni Australia Limited)

#### O-DECOMM2/61
**Green Decommissioning: Re-Use of North Sea Offshore Assets in a Sustainable Energy Future**

Author: Ben Oudman (DNV GL)

#### O-DECOMM3/263
**Well Construction and Deconstruction Operations Utilising a Rigless Pulling and Jacking Unit**

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**FRIDAY 31st March**

**9.00 - 10.40**

Room B  
**Production**

Chairpersons: D. Viberti (Politecnico Torino), E. Covarrubias Villegas (DNV GL)

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Room C  
**Decommissioning**
Authors: Steven Allan Canny, Christopher Hay (Weatherford)

O-DECOMM4/51

CONDITION ASSESSMENT FOR OFFSHORE PLATFORMS REUSE
Authors: Stefano Gaugenrieder, Carlo Pellegrino, Stefano Copello (RINA Services)

Room D
DEVELOPING NEW TECHNOLOGIES (1)

Chairpersons: J. Oppelt (Clausthal University of Technology), A. Rimoldi (Eni)

O-1DEVTECH1/274

RAPID CUBE – DEVELOPMENT OF A CONTAINMENT SYSTEM FOR SUBSEA BLOWOUTS
Authors: Roberto Cimino, Andrea Lainati, Alessandro Luongo (Eni), Roamn Chomicz, Roberto Ferrario, Daniele Vanzan (Tecnomare)

O-1DEVTECH2/278

PIRM-DMS: A DECISION MAKING TOOL FOR PIPELINE INTEGRITY AND RISK MANAGEMENT
Authors: Enrico Di Martino, Angelo Lo Nigro (D’Appolonia S.p.A.), Athanasios Kolios (Cranfield University)

O-1DEVTECH3/143

PERMANENT MAGNET MOTOR (PMM) AS THE RIGHT SOLUTION FOR ELECTRIC SUBMERSIBLE PUMP SYSTEM CHALLENGES IN BELEYEM OILFIELDS (CASE STUDY)
Authors: Mostafa Gad, Mohamed Abd El Fattah (Petrobel), Ayman Nady, Amin Sorour (Borets), Gamal Hassan, Samir Zaied (Petrobel), Alberto Boccardi (Eni)

O-1DEVTECH4/275

HIGH DENSITY FIBER BRAGG GRATINGS TEMPERATURE SENSORS FOR STEAM TURBINE CONDITION MONITORING
Authors: Alessandro Signorini, Tiziano Nannipieri (INFIBRA TECHNOLOGIES), Fabrizio Di Pasquale (Scuola Superiore Sant’Anna, INFIBRA TECHNOLOGIES), Giancarlo Gaudioso, Gabriele Girezzi (GE Oil & Gas Nuovo Pignone)

O-1DEVTECH5/272

DEVELOPMENT OF A NEW MULTIPHASE FLOW METER BASED ON CONVENTIONAL (LOW-COST) OIL FIELD INSTRUMENTS
Authors: Edoardo Dellarole (TEA Sistemi), Paolo Andreussi (University of Pisa), Marco Bonizzi, Paolo Ciandri (TEA Sistemi)

FRIDAY 31st March
11.05 - 12.45

Room A
GAS STORAGE

Chairpersons: G. D’Amico (Weatherford), F. Verga (Politecnico di Torino)

O-GASSTOR2/26

UGS AQUIFER GAS DISSOLUTION CHARACTERIZATION THROUGH MODELLING AND IN-SITU MEASUREMENT
Authors: Stefano Cantini (Schlumberger), David Dequidt (Storengy), Anne Balzhan Chevery (Storengy)

O-GASSTOR3/267

HARMONIC PULSE TESTING FOR GAS WELL DELIVERABILITY ASSESSMENT
Authors: Muhammad Shoaib, Dario Viberti, Eloisa Salina Borello, Francesca Verga (Politecnico di Torino)

O-GASSTOR/266

A NUMERICAL MODELING APPROACH TO INVESTIGATE THE SAFETY ASPECTS OF THE GAS STORAGE IN A DEEP GEOLOGICAL RESERVOIR
Authors: Giordano Agate, Francesca Colucci, Roberto Guandalini, Fabio Moia (Ricerca sul Sistema Energetico), Riccardo Pagotto, Giovanni Battista Crosta (Università degli studi di Milano – Bicocca)

Room B
PRODUCTION EFFICIENCY

Chairpersons: F. Cervini (Halliburton), L. Buus (DNV GL)

O-PRODEFF1/123

APPLICATION OF ENGINEERED WATER BASED DIF FOR OHGP COMPLETION
Authors: Luca Martini, Giuseppe Ripa, Dario Pellicanò (Eni U&T Services), Guglielmo Carmelo (Petrobel), I. Zaky, H. Shabaka, S. D’Angelo (Halliburton)

O-PRODEFF2/302

RUN LIFE EXTENSION OF ESP INSTALLED IN VERY HIGH SALINITY RESERVOIRS AND SEVERE CORROSIVE MEDIA
Authors: Hichem Brahmi, Simona Grifantini, Mohamed Abouzid (GSA)

O-PRODEFF/127

SUCCESSFUL INSTALLATION OF THE FIRST DUAL ESP COMPLETION SYSTEM IN VAL D’AGRI FIELD
Authors: Giovanni Rizza, Salvatore Luppina, Alessandro Bucci, Francesca Rinaldi, Rosario Legname, Monday Ogidi, Pasquale Cappuccio, Antonio Sgambati (Eni), Mariangela Gonzalez Zamora, Alberto Valente (Baker Hughes)

O-PRODEFF4/311

DUAL BOOSTING ESPS COMPLETION: DESIGN PHILOSOPHY AND EXPERIENCE GAINED IN TEMPA ROSSA
Authors: Dominique Pujol, Filippo Moraglia, Frank Torrealba, Amin Echarki (Total E&P Italia), Stuart Irvine, Pavel Volkhin (Schlumberger)

Room C
PREPARING THE INDUSTRY FOR THE TRANSITION (2)

Chairpersons: L. Hawem (DNV GL), W. Palazzo (DG Impianti)

O-2TRANSITION1/271

“PATHWAYS TO A LOW CARBON OIL & GAS INDUSTRY” – ABATEMENT POTENTIALS FOR OFFSHORE ASSETS
Authors: Ø. Endresen, T.S. Grimsrud, E.A. Hekto, J. Brown, T. Nissen-Lie, Liv Hawem (DNV GL)

O-2TRANSITION2/193

PHOTOVOLTAIC/GEN-SET HYBRID SYSTEM AT EGYPTIAN WESTERN DESERT
Authors: Mahmoud Elhousieny, Alaa Khalil (AGIBA Petroleum Company)

O-2TRANSITION/141

3D-RES (3DIMENSIONAL REAL RESERVOIR): THE NEW TECHNICAL, CLEAR AND INTUITIVE TOOL FOR PUBLIC-AWARENESS AND PUBLIC-ACCEPTANCE IN UNDERGROUND EXPLOITATION PROJECTS
Authors: Paolo De Filippis, Francesco Napoli, Marco Grechi, Carmine Nolè (Sapienza - University of Rome), Fedora Quattrocchi, B. Giorgio (INGV), Rocco Santoleri (COESUM)
MODULAR PLATFORMS FOR NEAR/OFF SHORE APPLICATIONS
Authors: Mirco Busetto, Luca Ambrosio (Fincantieri Oil&Gas)

CLEAN SEA: FROM R&D TO BUSINESS APPLICATION
Authors: Andrea Lainati, Andrea Rimoldi (Eni), Francesco Gasparani, Tiberio Grasso (Tecnomare), Angelo Mazzola, Luigi Sasanelli (Enimed)

FIRST IMPLEMENTATION OF ROBOT TECHNOLOGY FOR THE DRILL FLOOR
Authors: Lars Raunholt (Robotic Drilling System AS), Raffaele Servodio, Alberto Maliardieni), Steinar Torvund (Staoil)

A SUCCESSFUL APPLICATION OF MPD WITH CBHP TECHNIQUE IN TEMSAH FIELD - A CASE HISTORY
Authors: Abdallah Farahat (Agiba Petroleum Company), Abdel-Sattar Dahab, Abdel-Alim H. El-Sayed (Cairo University)

A STUDY OF WATER JET TECHNIQUES IN RADIAL JET DRILLING: ESTABLISHING EFFICACIOUS COMMUNICATION BETWEEN WELBORE AND RESERVOIR
Authors: Arash Asgharzadeh, Opeyemi Olaulowa Bello, Oscar Grijalva Meza, Rodrigue Freifer, Javier Holzmann Berdasco, Joachim Oppelt (Clausthal University of Technology)
WEDNESDAY 29th March - 14.30

**Growing Challenges in Exploration**

**P-EXPLOR/136**
APPLICATION OF SEISMIC INVERSION FOR SUCCESSFUL HYDROCARBON EXPLORATION IN THE NILE DELTA, EGYPT: NOROOS FIELD A CASE STUDY
Authors: Amr Talaat, Anas El-Belasy, Mustafa Omar (Belayim Petroleum Co. - Petrobel), Justin Matresu (Eni)

**P-EXPLOR/140**
NEW INSIGHTS ON PLIO-PALEISTOCENE DEPOSITIONAL ELEMENTS AS A KEY FOR UNREVEALED EXPLORATION POTENTIAL IN THE EASTERN MEDITERRANEAN BASIN, NILE DELTA, EGYPT
Authors: Mohamed Adel, Amr Elewa (Petrobel) Abdel-Moneim El Araby, Ahmed El Barkooky (Cairo University)

**P-EXPLOR/269**
REVIVING VINTAGE SCANNED SEISMIC DATA: FROM PAPER TO DIGITAL MIGRATED POST-STACK DATA
Authors: Tommaso Altieri (University of Basilicata), Alberto Riva (G.E.Plan Consulting / University of Ferrara)

**A-DATA1/121**
INTEGRATION OF DIRECTIONAL SURVEY UNCERTAINTY IN STRUCTURAL MODELLING: FROM GEOSTEERING ACTIVITIES TO GEOLOGICAL INTERPRETATION
Authors: Giovanni Gangemi, Davide Feltracco, Cristiano Tarchiani (Eni)

**P-WELL/227**
MODELING THE FEEDBACK BETWEEN GLACIATION, GEOCHEMICAL AND MECHANICAL COMPACTION ON SEDIMENTARY BASIN EVOLUTION
Authors: Alberto Guadagnini, Laura Guadagnini, Giovanni Porta, Daniele Cerroni, Luca Formaggia, Anna Scotti, Paolo Zunino (Politecnico di Milano), Paolo Ruffo, M. Ghielmi (Eni)

**P-WELL/252**
RESTORATION OF PALEO-SHORELINES THROUGH LITHOSPHERIC 3D MODELING AND BACKSTRIPPING ANALYSIS: THE EXAMPLE OF THE PO PLAIN-NORTHERN ADRIATIC REGION DURING LATE MESSINIAN SEA-LEVEL DROP
Authors: Chiara Amadori (University of Pavia), Daniel Garcia-Castellanos (ICTJA-CSIC), Giovanni Toscani (University of Pavia), Andrea Di Giulio (University of Pavia), Roberto Fantoni (Eni)
WEDNESDAY 29th March - 16.20

Developing New Technologies

A-1DEVTECH2/77
KNOWLEDGE MANAGEMENT IN ENI: WORKFLOW AND CASE HISTORIES IN NORTHERN ITALIAN DISTRICT (DICS)
Author: Stefano Mazzoni, Filippo Capriotti, Francesca Ferrazza, Gianna Giudicati (Eni)

A-2DEVTECH1/216
UAV THE IMPACT & INFLUENCE IN THE O&G
Authors: Salvatore Marco Mercuri, Antonietta Fisicaro, Vincenzo Tramontano (Eni)

P-DEVTECH/132
TAKE ON CHALLENGES IN DEEP-WATER PRODUCTION OPTIMIZATION: A REAL SUCCESSFUL APPLICATION OF AN INNOVATIVE INTEGRATED MODELING TOOL
Authors: Samuele Brioschi, Marco Montini, Paolo Cerri, Sara Scaramellini, Amalia Bianco, Silvia Masi (Eni)

P-DEVTECH/176
MAXIMIZING USAGE OF EXISTING INFRASTRUCTURE THROUGH EXPANDED SUBSEA BOOSTING TECHNOLOGIES
Authors: Marco Davide Gabelloni, Per Christian Johnsrud (Aker Solutions)

P-DEVTECH/183
REVISITING THE HAMMERSCHMIDT EQUATION: EFFECT OF OPERATING CONDITIONS ON THE SELECTION OF THE HAMMERSCHMIDT CONSTANT
Authors: Alberto Di Lullo, Keith Christian Hester (Eni)

P-DEVTECH/197
INSTRUMENTED POLLY-PIGS FOR LOW-RISK AND LOW-COST PIPELINE INTERNAL INSPECTION: FIELD EXPERIENCES
Authors: Alberto Di Lullo, Keith Christian Hester, Claudio Passucci, Luigi Padula (Eni), Giacomo Biundo (Enimed)

THURSDAY 30th March - 9.00

More Efficient Exploitation of Existing Resources (1)

A-PRODOPT1/100
INNOVATION TECHNIQUE AND SUCCESSFUL SCALE REMOVAL JOB WITH COILED TUBING IN BELAYIM OIL FIELD, EGYPT: A CASE HISTORY
Authors: Mohamed Anwar (Petrobel), Mohamed Abobakr (Sapesco)

A-PRODOPT2/279
WATER INJECTION STRATEGY IN BELAYIM FIELDS
Authors: S. Siso, I. Awni, M. Solyman, T. Ibrahim, Taha Radwan (Petrobel)
A-EOR1/246
APPLICATION OF THERMALLY ACTIVATED POLYMERS IN A MATURE OIL FIELD: CANDIDATES SELECTION, FIELD IMPLEMENTATION AND PRELIMINARY RESULTS
Authors: Ivan Maffeis, Simona Renna, Massimiliano Mattei, Salvatore Quattrocchi, Giuseppe Galli (Eni), M. A. A. Elgany (Petrobel)

A-EOR2/305
ENHANCING OIL RECOVERY WITH NANOEMULSION FLOODING
Authors: Elena Braccalenti, Lucilla Del Gaudio, Alessandra Belloni, Paola Albonico, Enrico Radaelli, Martin Bartosek (Eni)

P-EOR/205
BELAYIM LAND – POLYMER INJECTION PILOT PROJECT
Authors: Massimo Lazzarotti, Andrea Rimoldi, Alice Clementi (Eni), Mahmoud Mawad, Mahmoud Abd Elrahman (Petrobel)

P-RESCHAR/288
3D VORONOI PRE- AND POST- PROCESSING TOOLS FOR USING THE TOUGH2 FAMILY OF NUMERICAL SIMULATOR FOR HYDROCARBON GAS MIGRATION
Authors: Stefano Bondua, Villiam Bortolotti, Paolo Macini, Ezio Mesini, Ester Maria Vasini (University of Bologna)

P-EXPLOIT/122
PRODUCTION OPTIMIZATION IN PLIO-PLEISTOCENE SEQUENCES BY THROUGH TUBING PERFORATIONS AND SAND CONSOLIDATION IN RIGLESS ACTIVITIES: ITALIAN CASE HISTORIES
Authors: Michele Marotta, Claudio Morsetti, Stefano Mazzoni, Ratiba Diaf, Roberto Cherri (Eni)

P-PRODOPT/163
CFD MULTIPHASE TOOL: A NEW APPLICATION ON A REAL DEBOTTLENECKING (DBN) PROJECT
Authors: Luca Cadei, Sergio Ritondale, Pietro Ciccorossi, Amalia Bianco, Silvia Masi (Eni)

P-EXPLOIT/128
GRAVEL PACK COMPLETIONS SUCCESSFUL HISTORY IN MEDITERRANEAN SEA GAS FIELDS, EGYPT
Authors: Walid Gabr, Samir Zayed (Petrobel)

P-EXPLOIT/313
SURFACE FACILITIES OF THE TEMPA ROSSA PROJECT
Author: Taher Sheikh Zeineddin (Total)
THURSDAY 30th March - 11.00

**Gas Valorisation**

**P-GAS/218**
SYNTHESIS AND INHIBITION PERFORMANCE OF DIQUATERNARY AMMONIUM GEMINI SURFACTANTS ON CARBON STEEL PIPELINES CORROSION IN GAS FIELD
Authors: Bassam Hussien (Egas), Mohamed Migahed, Mahmoud Shaban, Nabil Negm (EPRI), Zakaa Moawad (EGPC)

**P-GAS/314**
SOCIO-ECONOMIC IMPACT ASSESSMENT AND STAKEHOLDER PERSPECTIVES IN A LNG TERMINAL CASE STUDY IN TUSCANY, ITALY
Authors: Marco Rametta (ARCADIS Italia), Sergio Vergalli (University of Brescia), Elisabetta Valotti, Alessandro Casartelli (ARCADIS Italia)

**P-GAS/36**
EVALUATION OF GAS LEAK FLOW THROUGH ACOUSTIC EMISSION TEST IN PETROCHEMICAL PIPINGS
Author: Alberto Monici (ETS Sistemi Industriali)

**P-GAS/85**
HIGHER OFF SHORE POWER RELIABILITY AND PERFORMANCE WITH LESS SPACE REQUIREMENT
Authors: Gilles Stefanelli, Xavier Merceron (Leroy Somer)

**P-GAS/86**
CORROSION MITIGATION OF X-60 TYPE CARBON STEEL IN PETROLEUM FORMATION WATER UNDER HUGH PRESSURE OF CO2 AT HIGH TEMPERATURE
Authors: B.M. Hussien (Egas), M.A. Migahed, M.M. Shaban, N.A. Negm (EPRI), Z. Moawad (EGPC)

THURSDAY 30th March - 14.30

**More Efficient Exploitation of Existing Resources (2)**

**A-PROD2/106**
TANK BATTERY 6-2 PRODUCTION OPTIMIZATION USING APPLICATION OF LEAN SIX-SIGMA METHODOLOGY IN BELAYIM FIELD (CASE STUDY)
Authors: Mahmoud Abd Elrahman, Mahmoud Moawad, Samir Siso, Mohamed Sadek (Petrobel) Alberto Boccardi (Eni)

**A-PROD1/153**
AN EULERIAN-EULERIAN APPROACH FOR OIL&GAS SEPARATOR DESIGN
Authors: Nicolò Scapin (Politecnico di Milano) Luca Cadei, Marco Montini (Eni) Gianluca Montenegro (Politecnico di Milano), Amalia Bianco, Silvia Masi (Eni)
A-PRODEFF1/124
CLAY-FREE DRILL-IN FLUID REDUCES THE TOTAL COST OF OWNERSHIP WHILE EXCEEDING PRODUCTION EXPECTATIONS
Authors: Luca Martini, Giuseppe Ripa, Dario Pellicanò (Eni U&T Services), Annie Benazo (Eni Congo), Renaud Okoko, S. D’Angelo (Halliburton)

P-DEVTECH/64
C.O.R.A. TOOL - THE GLOBAL APPROACH AND RISKED ANALYSIS OF OPEX BUDGETING
Authors: Palmieri Michelangelo, Amorelli Arturo, Talamo Miriam, Tarantino Piero, Roberto Carriero (Eni)

P-PRODEFF/6
QUALIFICATION AND IMPLEMENTATION OF A SUBSEA WET GAS COMPRESSOR SOLUTION
Authors: Fredrik Wadel-Andersen, Helge Moe (OneSubsea Processing AS)

P-TRANSITION/297
PROCEDURE FOR FORECAST ATMOSPHERIC DISPERSION MODELLING AFTER BLOW DOWN EVENTS
Authors: Ivan Toto, Paola Di Nardo (Proger), Gianni Tinarelli, Alessandro Nanni (Arianet)

A-PETRO2/240
SATURATION HEIGHT MODELLING: AN INTEGRATED METHODOLOGY TO DEFINE A CONSISTENT SATURATION PROFILE
Authors: Silvia Valentini, Dorianna Bemorio, Marco Grandis, Amelia Mazzacca, Angela Serrao, Luca Visconti (Eni)

THURSDAY 30th March - 16.30

Offshore and Deepwater Technologies (1)

A-1HSE1/179
OFFSHORE SAFETY CASE IMPLEMENTATION IN MEDITERRANEAN SEA
Authors: Daniele Strippoli, Robert Steer (ERM)

A-1HSE2/260
RISK ASSESSMENT IN OFFSHORE PLANT DESIGN: THE ADVANTAGES OF A CFD APPROACH
Authors: Edoardo Dellarole, Alessia Bertolini, Stefano Tealdi, Andrea Vignali (TEA Sistemi)

A-2HSE1/41
DYNAMIC HSE SYSTEMS TO ENHANCE HSE VALUES
Authors: Lamia Gherbi, Domenico Celiento (Eni)

A-2HSE2/291
EMERGENCY RESPONSE PLAN – CASE STUDY DURING THE APPLICATION OF THE OFFSHORE EUROPEAN DIRECTIVE
Authors: Alessia Liberatore, Angelo Matteo, Matteo Fraccastoro (Proger)
DIGITAL POSTERS

P-HSE/74
LEADERSHIP IN HEALTH & SAFETY – DRIVING CULTURAL CHANGE IN AN OFFSHORE FLEET
Authors: Davide Scotti, Darren Matkin, Neil Stockham (Saipem)

P-OFFSHORE/172
SURFACE RESIDUAL STRESSES MEASUREMENT AND NUMERICAL PREDICTION FOR OFFSHORE STEEL CATERARY RISERS GIRTH WELDS
Authors: Giorgio Stefano, Davide Rossin, Enrico Torselletti (Saipem), Josef Tejc (ESI Group)

P-OFFSHORE/18
SUBSEA INSPECTION OF VIBRATION AND ACOUSTIC NOISE
Author: Kjetil Nysater (ClampOn)

P-OFFSHORE/65
EXPERIMENTAL INVESTIGATION AND FIELD STUDY OF NEUTRAL WETTABILITY PROPANT FOR FRAC PACK APPLICATIONS
Authors: Naima Bestaoui-Spurr, Kevin Langlinais, Vanessa Williams, Marty Usie (Baker Hughes), Kevin Smith (Stone Energy)

P-PRODEFF/170
EROSION EVALUATION ON OFFSHORE PRODUCTION FACILITY BY DIFFERENT CFD APPROACHES: LANGRANGIAN/EULERIAN AND EULERIAN/EULERIAN
Authors: L. Cadei, A. Bennardo, F. Podenzani, N. Buongiorno, A. Bianco, S. Masi (Eni)

FRIDAY 31st March - 09.00

Preparing the Industry for the Transition

A-1TRANSITION/214
MONITORING AND REDUCTION OF CO2 EMISSIONS FOR OIL&GAS LOGISTICS
Authors: Daniele Carpi, Andrea Antonio Zanibelli, Vincenzo Tramontano (Eni)

P-TRANSITION/280
THE COMMISSIONE ICHESE CASE HISTORY AFTER 2 YEARS, AS A POOR GEO-ETHICS AND COMMUNICATION EPISODE IN THE FRAME OF THE NIMBY SYNDROME AND GEOPOLICY WEAKNESS: CONSEQUENCES ON GAS STORAGE INCLUDING CO2 STORAGE FOR CCS
Author: Fedora Quattrocchi (INGV)
Well Construction and Management

A-COMP&STIM2/145
FEASIBILITY STUDY OF WELL COMPLETION METHOD FOR AN IRANIAN OFFSHORE WELL USING CBHP
Authors: Shahram Chamankhah (PetroServices PSPK), Poorya Saadati (Politecnico di Torino)

A-DRILLOPT2/154
EXTENDING THE SCOPE OF REAL-TIME DRILLING & WELL CONTROL SIMULATORS
Authors: Roger Aragall, Joachim Oppelt, Michael Koppe (Clausthal University of Technology)

A-FLUIDS1/151
IMPROVED FLUID CHARACTERISTICS WITH CLEAR CALCIUM CHLORIDE BRINE DRILLING
Authors: Mike Redburn, Garett Heath (Newpark Drilling Fluids)

A-FLUIDS2/40
NEW ACHIEVEMENTS CONCERNING TEMPERATURE EFFECTS ON MUD RHEOLOGY AND HYDRAULIC PERFORMANCE WHILE DRILLING
Author: Raffaele Romagnoli (Politecnico di Torino)

P-WELL/149
MULTI-RISK APPROACH TO THE EVALUATION OF NATECH EVENTS
Authors: Anna Basco, Piero Salatino, Angela Di Ruocco, Alexander Garcia-aristizabal, Ernesto Salzano (AMRA)

P-WELL/228
CHANGING THE PROCESS DESIGN PARADIGM
Author: J. McMullen (Schneider Electric Software)

P-WELL/230
RETAINING AND TRANSFERRING KNOWLEDGE: MANAGING CONTINUITY DURING AN ERA OF COST-CUTTING AND CREW CHANGE
Author: Rob Van Der Speck (DNV GL)

P-WELL/231
INTEGRATED ADVANCED WORKFLOWS AND HETEROGENEITY ANALYSIS FOR PLANNING UNCONVENTIONAL HORIZONTAL WELLS IN WESTERN DESERT OF EGYPT
Authors: Mohamed Salah (Khalda Petroleum), Mohamed ElSebaee, Taner Batmaz, Yehia El Darawy, Ahmad Kamar (Schlumberger)

P-WELL/308
TEMPA ROSSA PROJECT – CONSTRUCTION ACTIVITIES
Authors: Hedi Dendani (Total)

P-WELL/68
SOBOL SEQUENCE, A NOVEL EXPERIMENTAL DESIGN TECHNIQUE FOR IMPROVED UNCERTAINTY QUANTIFICATION OF PETROLEUM RESERVOIRS
Author: Moahmed Shams (Amal Petroleum Company)
FRIDAY 31st March - 11.40

Offshore and Deepwater Technologies (2)

A-DECOMM2/181
QUANTITATIVE RISK-BASED METHODOLOGY FOR PIPELINE INTEGRITY MANAGEMENT
Authors: Edoardo Dellarole, Maria Giulia Sotgiu, Simone Sodini, Alessandro Frassi, Fabio Varano, Michele Bonuccelli (TEA Sistemi)

A-DEEPWATER1/247
RE-SHAPING THE SUBSEA INDUSTRY
Authors: Anders Husby, Bjorn Sogard, Carl Fredrik Kresse, Siamack Atiabi (DNV GL)

A-DEEPWATER2/173
CWC NOVEL BENDING METHODOLOGY
Author: Adam Kopystynski (Shawcor)

A-FLOW2/208
NIDOCO NW FIELD PRODUCTION SYSTEM ENHANCEMENT OPPORTUNITIES BY OPTIMIZING AND RE-EVALUATION THE FLOW ASSURANCE CRITICALITIES
Authors: M. Salah, A. Haridy, S. Zayed (PETROBEL)

A-FLOW1/306
WHAT’S WRONG WITH DRAS SUBSEA/DEEPWATER APPLICATIONS?
Authors: Stefano Pinneri, Riccardo Rausa, Elena Braccalenti, Franco Baldiraghi, Lucilla Del Gaudio (Eni)

A-SUBSEA2/55
APPROACH TO OPERATIONS READINESS FOR FLOATING PRODUCTION UNITS
Authors: Domenico Bonazzi, Lucia Carlotta Corbetta (Eni), Carlo Giovanni Massarelli (Floters)

The panel aims at discussing how the combined resources of Egypt, Cyprus, Lebanon can create a real gas hub in the Mediterranean, by debating major open issues such as complex geopolitical situation, the possible and sometimes conflicting gas transportation routes, the huge business development of the region.

- **Tarek El Molla** | Minister of Petroleum and Mineral Resources – Egypt
- **Yiorgos Lakkotrypis** | Minister Ministry of Energy, Commerce, Industry and Tourism – Cyprus
- **Cezar Abi Khalil** | Minister of Energy and Water – Lebanon
- **Giorgos Stathakis** | Minister of Environment and Energy – Greece
- **Luca Bertelli** | Chief Exploration Eni
- **Manfred Hafner** | Sr Researcher Bruegel and FEEM

**Moderator:**
-**Massimo Nicolazzi** | Professor at University of Turin – ISPI Energy Watch

**WEDNESDAY 29TH MARCH 2017 16.00 to 18.00 - Conference Room A**

Panel session: “Low Carbon Economy and the O&G Industry”

The panel discussion aims at debating the contribution that both Companies and Contractors in the Energy Sector can bring in order to meet the challenges of a low carbon economy, focusing on technology solutions and measures to ensure a greener use of energy. Moderator to introduce the panel by framing the major challenges of the low carbon economy and also guide the discussion throughout the panel.

- **Katia Valtorta** | Principal Arthur D. Little
- **Luca Cosentino** | Exec. VP Energy Solutions Eni
- **Besim Sisman** | CEO Turkish Petroleum TPAO
- **Wilfried Mass** | Technical Development Leader CCS Shell
- **Franco Terlizzese** | Director General MISE Directorate General for Mineral and Energy Resources
- **Robert. C. Armstrong** | Director MIT Energy Initiative

**Moderator:**
- **Elizabeth Terstad** | CEO DNV GL

**THURSDAY 30TH MARCH 2017 9.00 to 11.00 - Conference Room A**

Panel session: “The Resilient Oil & Gas Industry - Staying competitive at low oil price”

The panel discussion aims at discussing how the O&G industry, with its distinctive technological capabilities and passion for innovation, can reshape its activities to sustain production in a period of declining prices. Contributions will be brought in from different perspectives: Operators, Contractors, Consultants and International Organizations. Moderator to introduce the panel by framing the major challenges for the industry to stay resilient in a low oil price scenario and also guide the discussion throughout the panel.

- **Judson Jacobs** | Sr Director Upstream IHS Cambridge USA
- **Luigi Chiolini** | Partner Boston Consulting Group
- **Rita Marino** | Exec. VP eni Procurement
- **Antonio Careddu** | Director Strategies, Innovation & ICT Saipem

**FRIDAY 31ST MARCH 2017 9.00 to 11.00 - Conference Room A**

- **Sergio Polito** | President Contracting and Service Companies Division, Assomineraria
- **Davide Tabarelli** | President Nomisma Energia

**Moderator:**
- **Elizabeth Tørstad** | CEO DNV GL
TECH TALK ZONE 1 - Hall 4
09.30 – 17.30

Oil & Gas Business Meetings at OMC 2017

Eurosportello-Ravenna Chamber of Commerce and Enterprise Europe Network are organising a b2b event in the framework of OMC 2017, on Wed 29th and Thu 30th March.

The pre-arranged face-to-face meetings offer Exhibitors and Visitors the opportunity to find partners in order to develop business and technological cooperation.

Participation is free of charge, by previous registration on www.b2match.eu/omc2017 within 13th of March 2017.

T. +39-0544-481464 Paola Saiani
T. +39-0544-481414 Pina Macrì
E. simpler@ra.camcom.it

ARENA – Hall 4
14.00 – 18.00

The future of the platforms and blue economy: decommissioning, multipurpose or other uses?

The speed of the energy transaction towards a low-carbon economy represents a powerful challenge to design a future for offshore platforms and to follow paths of innovation towards a sustainable energy mix, capitalizing on the high technological skills acquired on oil and gas industry over the years. The conference aims to promote a dialogue among parties who wish to identify the best solutions to contribute cooperatively to a convergence of Green Economy and Blue Economy. In addition, in the second part, the event will offer an exceptional opportunity for knowledge and debate on the current technological developments for decommissioning of offshore platforms and on the opportunities for diversification, all within the framework of sustainable development of activities related to the marine environment.

Chiara Di Simone
T.+39 0647052855 - E. chiara.disimone@mise.gov.it
Florinda Grasso

TECH TALK ZONE 1 - Hall 4
09.30 – 11.00

Digital Transformation for Operational Excellence in Oil&Gas

Productivity in manufacturing has increased significantly over the past 30 years while it stagnated during the same period in Oil&Gas Operations. Dassault Systemes brings the innovation developed in its labs and experience from other industries into Oil&Gas organizations through the “3DEXPERIENCE”: plan, simulate and review of projects and optimization of construction schedules through 4D Simulation. Live demo will be presented to show how projects with 3DEXPERIENCE achieved improvement of productivity by 50% and reduction of material wastes/ reworks by 50%. Safety is significantly improved by best
operation planning, operator virtual training and availability of portable device procedures and tasks. Project status reporting is updated from execution status so giving to management full control on KPI's and instant feedbacks. Full integration with technical tools of design and simulation allows to have a single source of truth for projects.

For information please contact:
T. +39 023 3430 6182 Antonio Taglia
E. Antonio.TAGLIA@3ds.com

TECH TALK ZONE 2 - Hall 7
9.00 - 13.30

AIPE - Associazione Italiana Pressure Equipment - Annual meeting

AIPE - Associazione Italiana Pressure Equipment - is a non-profit association grouping together the main Pressure Equipment Italian manufacturers. Founded in Rome on July 2014, its activities are based on research and on the collaboration with Institutes, national and international universities. AIPE’s mission is “Supporting technological, scientific and economic development of the Members through active participation and the organization of meetings, events and training programs by sharing resources and information”.

TECH TALK ZONE 1 - Hall 4
11.30 – 13.00

FLIR introduces GFx320: the new Intrinsically Safe Optical Gas Camera

FLIR’s new GFx320 represents ground breaking technology for visualizing fugitive leaks at natural gas well sites, offshore platforms, liquid natural gas terminals, and more. Its Intrinsically Safe designation means surveyors can work confidently inside critical safety zones. And thanks to the GFx320’s ergonomic features, such as the articulating LCD screen, surveyors can work quickly and comfortably - all day.

T. +39 02 99451011
E. daniela.rossetti@flir.com

TECH TALK ZONE 1 - Hall 4
13.30 – 16.00

Offshore Safety: instruments for Directive 2013/30 / EU implementation

The Conference aims to show the instruments implemented in connection with Legislative Decree n. 145, 18th August 2015 transposing the Directive 2013/30/ EU on “safety of offshore oil and gas operations”. With these instruments, European Commission has set the minimum conditions to guarantee the safety for offshore prospection, exploration and production of hydrocarbons. Among the main innovations, there is the institution of a Committee for Offshore Safety, headed as president Prof. Mesini, recently appointed. The Committee performs activities related to the regulation, supervision and control in order of offshore upstream sector to prevent major accidents and to limit their consequences. The Structure is based at the Ministry of Economic Development and is held by a central body and local articulations on the territory and makes use of the structures and human resources already foreseen. The meeting is the occasion to present important news and to introduce also tools by the Politecnico di Torino, by the RINA SERVICES, by the DNV GL and by Joint Research Centre in support to the implementation of the Directive.

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TECH TALK ZONE 2 - Hall 7
16.00 - 17.30

Empowering the Oil & Gas Industry and reach new levels with AVEVA Integrated Engineering & Design

AVEVA is the leader in engineering design and information management software solutions for the plant, power and marine industries. For almost 50 years it has delivered business critical solutions to owner operators, engineering contractors and shipbuilders around the world. Reduce design iterations, cost and risk with AVEVA, supporting 60% of the largest Oil & Gas Companies on the planet. Whether offshore or onshore, upstream or downstream,
In terms of energy, sustainable development requires the use of advanced technologies, in order to avoid environmental pollution problems. With this event, the DIRECTORATE GENERAL FOR SAFETY OF MINING AND ENERGY ACTIVITIES - National Mining Office for Hydrocarbons and Georesources intends to take stock of the situation in Italy and in other European countries, in relation to a prime source of energy, such as geothermal heat. In Italy at the moment there are a number of plants for the production of electricity from geothermal heat, of the traditional type. At the same time some small experimental plant projects are being approved at the Ministry of Economic Development. With these systems we will test a new type of production process, without polluting emissions. These projects require cutting-edge technologies for the plants, and new well completion techniques, in order to optimize the underground multiphase reinjection, which is the most challenging aspect of the program.

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International Financial Cooperation Forum on Oil & Gas Industry

Following oil price rebounded steady, oil & gas industry will enjoy a resurgence in popularity. How to invest in oil & gas industry under such circumstances? Kerui Petroleum is organizing an Oil & Gas Financing Forum event, together with financial institutions specialized in energy industry, on Friday 31st March, to offer effective, intact, one-stop solutions on techniques, commercial, investment and financing. Participation is by invitation only.

Patty Mo
T. +39 3318233168
E. guozz@keruigroup.com; molr@keruigroup.com
THURSDAY 30TH MARCH - ARENA

“Students of today, Professionals of tomorrow”

10.45 - 13.00

Company Presentations

14.00 - 16.15

Paper Contest for MSc and PhD: presentations by the finalists

MSc CATEGORY
ERIK FELDMAN - Clausthal University of Technology, Germany
Technical review and recommendation on service enveloped and qualification of wellheads in unconventional, geothermal applications

SAADATI POORYA - Politecnico di Torino, Italy
Incorporation of Particle Swarm Algorythm and ROP models to optimize drilling parameters and mitigate drilling operation expenditure in one of the Iranian Offshore oil field

DOMENICO RAVIDA - Università di Ferrara, Italy
Resediments in the Scaglia Formation: sedimentological, stratigraphic and pressure-temperature analysis from subsurface data of the Adriatic Sea.

PhD CATEGORY
NICOLE SIMONI - Politecnico di Milano, Italy
An Eulerian-Eulerian Approach for Separator Design

JOONAKI EDRIS - Heriot-Watt University, United Kingdom
Do We Have Solutions for the Old Problem of Asphaltene Deposition?

FABIO FATIGATI - Università de L’Aquila, Italy
Issues and Improvements of normed sizing method of rapid discharge accumulators

VINCENTO LA BRUNA - Università della Basilicata, Italy
3D Geological Modelling and Structural setting of the Monte Alpi foredeep Basin (Basilicata-Southern Italy)

16.15 - 17.30

Lecture “Intrinsic Motivation: A Business Imperative”
Giovanni Paccaloni, Past President SPE International

17.30

Prize Ceremony
COURSE ON SAFETY MANAGEMENT

TECH TALK ZONE 2 - HALL 7

FRIDAY 31ST MARCH
9.00 - 13.45

Advanced Methods in Safety Management of Offshore Oil&Gas Activities

Course on advanced methods for safety and risk monitoring in offshore activities: construction, drilling and production. Risk identification tools, methods for quantitative risk evaluation, analysis and application to new technologies are some of issues addressed by the course.

Organised by University of Bologna in cooperation with foreign partner universities and O&G companies operating in Italy.

PRELIMINARY PROGRAM:

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<th>Time</th>
<th>Session</th>
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<td>9.00</td>
<td>Welcome and Introduction, Paolo Macini and Valerio Cozzani, University of Bologna</td>
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<tr>
<td>9.15</td>
<td>Safety Barriers Management for Operational Support. Nicola Paltrinieri, NTNU - Sintef, Trondheim, Norway</td>
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<td>10.00</td>
<td>Advances in Safety of SimOps. Marco Pontiggia, D’Appolonia</td>
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<td>10.45</td>
<td>Coffee break</td>
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<tr>
<td>11.00</td>
<td>An overview of KPIs for Safety and Sustainability Management, Alessandro Tugnoli, University of Bologna</td>
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<td>11.45</td>
<td>Structural Safety and safe life extension, Igor Guz, University of Aberdeen</td>
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<td>12.30</td>
<td>Safety Management in Construction, Installation and Hook-up, Luca Garavini, Rosetti Marino</td>
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<td>13.15</td>
<td>Wrap-up and final discussion, OMC and ICheme representatives</td>
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<tr>
<td>13.45</td>
<td>Conclusions</td>
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</tbody>
</table>
Please remember car parks are not supervised therefore no valuables should be left inside vehicles. OMC declines any responsibility.

CONFERENCE PROCEEDINGS

CDs are on sale at OMC reception desk.

After the event Conference proceedings are available at:
shop.omc.it
www.onepetro.org
SOCIAL EVENTS

EXCLUSIVE PARTNER

Golf Tournament
28th March / 9.30
Adriatic Golf Club
Cervia - Milano Marittima

Reserved to OMC delegates and exhibitors. The competition is 18 Holes 4 players Texas scramble formula.

Welcome & Networking Cocktail
28th March / 19.00
Pala De André

A relaxing evening before the official opening. Ravenna Chamber of Commerce welcome all participants for a toast and a taste of local specialties.

Gala Dinner
29th March / 21.00
Pala De André

OMC Gala Dinner offers a unique networking opportunity. By invitation only.

Gala Concert
30th March / 19.30
Dante Alighieri Theatre

String Ensemble of the “Luigi Cherubini” Youth Orchestra - Adele Viglietti, violin soloist - followed by Opera Arias
- Gian Luca Pasolini, tenor
- Monica De Rosa McKay, soprano
- Corradino Giovannini, piano
The city and the whole Romagna region are ideal for a short break at any time of the year and offer everything necessary to make every leisure and business trip something to remember: sightseeing, nightlife, modern facilities, excellent cuisine.

Ravenna is a treasure chest of art, history and culture, a city with ancient origins and a glorious past.

The cultural offer of Ravenna is abundant and varied, so is the selection of local food & wines.

Ravenna province offers sightseeing and business opportunities but also long beaches, bustling bars, modern spa resorts, golf courses, relaxing pinewoods, rolling hills and charming small villages. Between the blue of the Adriatic and the green of magnificent pinewoods, you find clean, peaceful nature reserves to enjoy the rare and unspoilt beauty of the environment.

Ravenna’s beaches spread over 35 km. Each of the nine seaside resorts has its own identity; they all have good restaurants and extensive facilities.

Walking Guided Tours are being organised by Ravenna Incoming in the afternoons of 28th - 29th - 30th - 31st March - take this opportunity to discover the beauties of the city.

Info & bookings at the tourist information desk – Hall 5

PHOTO EXHIBITION

30th MARCH / 18.00
PALAZZO RASPONI DELLE TESTE
City Centre

“OFFSHORE” by Luigi Tazzari
The exhibition is a tribute to offshore workers as well as to the city of Ravenna, whose economy and future are tightly linked to the sea. Photos are realistic and crude, they portrait the tension and daily hard work of operators.

BELL’ITALIA

29th MARCH / 2nd APRIL
Ravenna City Centre

Food and wine tasting, producers market.
RAVENNA FESTIVAL TURNS THE CITY INTO A FANTASTIC STAGE

Founded in 1990 by Cristina Mazzavillani Muti, Ravenna Festival has always been characterised by a programme including all performing arts: symphonic and chamber music, opera, drama, dance, ballet, jazz, and ethnic music. Every year from May to July, the city becomes a stage for two months: its gilded basilicas encrusted with mosaics, its elegant theatres, its cloisters, ancient buildings…

These extraordinary places – it is worth remembering here that 8 monuments in Ravenna are UNESCO sites – and a multidisciplinary vocation are the features that make Ravenna Festival unique. The Artistic Direction yearly defines a programme centred on a culturally relevant theme, while in 2012 the Festival was extended with the invention of the “Autumn Trilogy”, whose formula alternates three different operas on the same stage on consecutive nights.

Besides, since 1997 the route of the Festival has been intertwined with “The Roads of Friendship”. Leading on these paths as a cultural ambassador is Riccardo Muti, with orchestras and choirs that in the name of the universality of music have given life to unforgettable events in such symbolic sites as Beirut, Jerusalem, Moscow, Yerevan, Istanbul, New York, Damascus.

XXVIII EDITION
May 25 – July 11

AUTUMN TRILOGY
November 17-23

2017

NOTES
RAVENNA FESTIVAL TURNS THE CITY INTO A FANTASTIC STAGE

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www.omc2019.it

OMC 2019

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27-29 March 2019
RAVENNA ITALY

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