

Focus on Change: Planning the Next 20 Years

*Diversifying choices,
increasing opportunities*

25-27 March 2015
RAVENNA, ITALY

OMC 2015

OFFSHORE
MEDITERRANEAN
CONFERENCE
& EXHIBITION

FINAL CONFERENCE PROGRAMME



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WELCOME MESSAGE



Message from OMC 2015 CHAIRMAN

FOCUS ON CHANGE: PLANNING THE NEXT 20 YEARS

I am particularly pleased to welcome delegates, exhibitors and visitors attending the 12th Offshore Mediterranean Conference and Exhibition here in Ravenna.

A combination of geopolitical turmoil in some of the main producing regions and the growth of US shale production have kept hydrocarbon markets balance over the last few years. The more recent Russia-Ukraine crisis, the growing instability in some North African countries, and the potential impact on exports to Europe, have increasingly made security of supply and diversification of energy sources an imperative. Finally, the dramatic fall in oil prices has consistently reduced investments. On the other hand the need to meet forecast demand growth, while offsetting the growing decline of many mature developed fields, implies even more conspicuous investments in exploration, development and technology.

In this scenario the topic of the Opening Session "Focus on Change: Planning the next 20 years. Diversifying Choices, Increasing Opportunities" will certainly trigger off an interesting debate, examining energy scenarios that are very likely to emerge over the coming decades.

Among the Technical Sessions, a dedicated slot has been reserved to EOR. The increase of recovery factor plays a fundamental role in the Industry, and OMC 2015 is pleased to host a panel of distinguished speakers on Enhanced Oil Recovery methods development, deployment, piloting and full-field application.

The Mediterranean region has become the center of attention thanks to the ongoing successful exploration programmes and the issue of hot debates over the sustainability of the activities. A Special Session "Offshore Regulations and Technologies: Five Years after Macondo" will make the point focusing on the regulatory initiatives, in line with EU Directive, implemented in the countries hosting these activities and the preparedness of the

operators and the available new technologies involved in the environmental protection, blowout containment and prevention.

The Offshore Mediterranean Conference has always given special care to students, and this 12th edition offers them a dedicated area within the event, where E&P and Service companies will illustrate activities in the energy sector as well as career opportunities. In addition to that, students are requested to play a more active role in a "5 minute-speech contest" where 22 selected students have the opportunity to present their research papers.

The exhibition this year hosts a total of 680 exhibiting companies, a 20% increase over the previous edition, coming from 23 countries. The show is much larger and offers a wider range of products and services on display. We wish all participants an excellent 3 days of good business!

OMC traditionally offers its participants unique social events such as a Golf Tournament in the nearby Adriatic Golf Club of Cervia, a Welcome Cocktail and the Gala Dinner at OMC venue. This year, special initiatives have been thought for OMC guests. "Ravenna Bella di Sera", on Thursday 26th, will offer the opportunity to discover the beauties of the city by night. Enjoy a walk downtown through the worldwide famous Unesco monuments and the shopping area or experience the ancient art of mosaic through interesting laboratories before dining in one of the typical restaurants of the city center.

We are confident your visit to OMC 2015 is a good opportunity to share your expertise and experience with other energy professionals and we hope you will be able to get the most out of your time in Ravenna.

Innocenzo Titone
Chairman, OMC 2015

Diversifying choices, increasing opportunities



Message from OMC 2015 Programme Committee Chairman

Chairman: **INNOCENZO TITONE, OMC, Italy**

| | | |
|-------------------|-------------------------|---------|
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| OMC | MARIO A. CHIARAMONTE | Italy |
| PROGER SPA | MICHELANGELO TORTORELLA | Italy |
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| ROCA | FRANCO NANNI | Italy |
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| SCHLUMBERGER | ROSARIO MANGIAMELI | Italy |
| SHELL ITALIA E&P | FRANCA MAZZATORTA | Italy |
| SONATRACH | MOHAND SAID MALLA | Algeria |
| TECNOMARE | LUIGI CIARROCCHI | Italy |
| TOTAL | ROBERTO PASOLINI | Italy |



*A forward
looking
programme*

The focus of OMC 2015 is on planning the next 20 years.

Thinking forward to the next 20 years when everything evolves so rapidly is certainly a challenging issue. A few months ago we were celebrating the rapid growth of shale oil in the USA and today we are wondering if shale oil will survive at the current low price of the barrel.

Oil and gas consumption forecasts are frequently updated following the global trend of economies; recent important discoveries are able to create new opportunities and to change local equilibria, conflicts can drastically reduce oil and gas production in other areas. Too many interrelated factors are concurring to determine global and local situations that are evolving continuously. Oil Companies have to rapidly react to all these changes and try to anticipate forthcoming situations. In this turbulent and sometimes unpredictable context, technology remains the key tool to be ready to future challenges. Without new, excellent and suitable technologies, nobody will be able to survive in this increasingly competitive and turbulent arena. Technology development, however, needs continuity in its evolution, years of high level and well planned activity are needed to achieve important results. By its nature, research cannot immediately react to new challenges, technologies must be prepared and tested in advance.

The technical program of OMC2015 has been conceived keeping in mind this key aspect: technology improvement must be constant and continuous and it must

actively support the future sustainability of this business. In order to progress faster, it needs field applications. So the technical program of OMC 2015 is a successful sequence of interesting case histories as well as papers discussing more theoretical aspects. I would like to underline that this year we have a sharp increase in the number of papers coming from the Academia: a great sign indeed!

A key issue for the next 20-year activity will be the availability of highly qualified young professionals, whose employment will be fundamental for oil & gas development. For this reason, a significant part of the technical program of OMC 2015 is dedicated to young talents, involving, among other initiatives, a 5 minute contest, during which 22 master and PhD students will present the results of their researches in a limited amount of time: a real challenge.

To conclude, I would like to underline that for this edition of OMC we received the highest number of abstracts ever (precisely 284) and most of them represent high quality contributions.

It is the fourth time I have the pleasure to be Program Committee Chairman at OMC and I have to say that this year both quantity and quality of submitted papers were the best ever: we are getting ready for the next 20 years !

Mario Augusto Chiaramonte
Chairman Programme Committee,
OMC 2015



Chairman: MARIO A. CHIARAMONTE, Italy

| | | | |
|-----------------------|----------------|-------------|---------|
| AKER SOLUTIONS | PETTER | JOHANNESSEN | Norway |
| AVA | ANTONIO | SANTANDREA | Italy |
| BAKER HUGHES | JOACHIM | OPPELT | Germany |
| EDISON | PAOLO | TERDICH | Italy |
| ENEL | FERNANDA | PANVINI | Italy |
| FMC | FABIO | DECATALDO | Italy |
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| INGV | FEDORA | QUATTROCCHI | Italy |
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| OGS | UMBERTA | TINIVELLA | Italy |
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| SONATRACH | MOHAND SAID | MALLA | Algeria |
| TECNOMARE | DANILO | MADDALENA | Italy |
| TOTAL | GONZALO | DIESTE | France |
| UNIVERSITÀ BOLOGNA | EZIO | MESINI | Italy |
| WEATHERFORD | GIOVANNI | D'AMICO | Italy |



9,30

INAUGURATION OF THE EXHIBITION

10,00

OPENING CEREMONY - WELCOME ADDRESSES

INNOCENZO TITONE, *Chairman OMC 2015*

FABRIZIO MATTEUCCI, *Mayor of Ravenna*

NATALINO GIGANTE, *Chairman Ravenna Chamber of Commerce*

10,30

OPENING PLENARY SESSION

*"Focus on Change: Planning the Next 20 Years.
Diversifying Choices, Increasing Opportunities"*

CHAired BY CLAUDIO DESCALZI, CEO eni, Italy

SIMONA VICARI

First Undersecretary, Ministry for Economic Development

SHERIF ISMAIL

Minister of Petroleum and Mineral Resources, Egypt

YOUCEF YOUSFY

Minister of Energy and Natural Resources, Algeria

YIORGOS LAKKOTRYPIS

Minister of Energy, Commerce, Industry and Tourism, Cyprus

BRUNO LESCOEUR

CEO Edison, Italy

AHMED EL DEMERDASH

Vice President Business Development, Europe, Sub-Saharan Africa, Halliburton

AARON GATT FLORIDIA

President Reservoir, Schlumberger

| | TECHNICAL PROGRAMME | SPECIAL SESSION, WORKSHOPS, | SIDE EVENTS | SOCIAL EVENTS |
|----------------------------|--|--|-------------|---|
| TUESDAY 24 th | | | | 9,00 Golf Tournament at Adriatic Golf Club Cervia 19,00 Welcome Cocktail - Guests of Ravenna Chamber of Commerce Pala de Andrè |
| WEDNESDAY 25 th | 14,30 Digital Posters Hall 3 14,30 Seismics and Exploration Room A Offshore and Deepwater 1 Room B Reservoir Characterisation 1 Room C Well Construction and Management 1 Room D Flow assurance Sala Verde 16,30 Offshore and Deepwater 2 Room B Production Optimisation 1 Room C Well Construction and Management 2 Room D Environmental Protection in Offshore Operations Sala Verde | 9,30 Inauguration and Opening Ceremony 9,30 B2B meetings by Eurosportello Arena 10,30 Opening Plenary Session Focus on Change: Planning the next 20 Years. Diversifying choices, increasing opportunities Room A 11,00 HONEYWELL - Company Presentation Presentation Gallery 14,30 CORTEM Group - Company Presentation Presentation Gallery 16,30 ENERPAC - Company Presentation Presentation Gallery 16,30 Lectures by MIT & Imperial College Arena 16,30 Assomineraria Workshop Room A | | 13,00 Working Luncheon Sponsored by Proger 15,00 Welcome to Ravenna Tour, Compliments of OMC organisers City Centre 21,00 Gala Dinner - Guests of eni Pala de Andrè |
| THURSDAY 26 th | 9,00 Offshore and Deepwater 3 Room B Technical and Non Technical Risk Assessment Room C Drilling: New Technologies 1 Room D Safety and Environmental Protection in Offshore Operations Sala Verde 9,00 Digital Posters Hall 3 11,00 EOR Technologies Room A Offshore and Deepwater 4 Room B Sustainability and Environment Room C Opportunities in Exploration Room D Energy Efficiency Sala Verde 14,30 Digital Posters Hall 3 14,30 Well Construction and Management 3 Room A Subsea Production Room B Reservoir Monitoring and Simulation Room C Deep and Ultradeep 1 Room D Sustainability Sala Verde 16,30 Drilling: New Technologies 2 Room A Strategies for Offshore Developments Room B Reservoir Characterisation 2 Room C Offshore Regulations: a warm up for Friday Special Session Sala Verde | 9,00 Enhanced Oil Recovery: Field Cases and faster Way to Implementation Room A 9,00 Advanced Proven Technologies Increase Productivity Quality, Safety and Security - Workshop by ISA Presentation Gallery 11,00 Youth Programme: Company Presentations Arena 14,00 Youth Programme: 5 minute speech contest Arena 14,30 FRIDLE Company Presentation Presentation Gallery 16,00 Youth Programme: Company Presentations Arena 16,30 Subsea Construction Vessels Workshop by Rosetti Marino Room D | | 9,00 Water in, around, under Ravenna Tour Compliments of OMC Organisers City Centre 10,40 Coffee Break Sponsored by Aquatic Subsea 13,00 Working Luncheon by OMC Organisers 15,00 Waiting for Dante 2021 Tour Compliments of OMC Organisers City Centre 16,10 Coffee Break Sponsored by Aquatic Subsea 19,00 Discover Ravenna by Night "Bella di Sera" City Centre |
| FRIDAY 27 th | 9,00 Digital Posters Hall 3 9,00 Unconventional Resources Room B Production Optimisation 2 Room C Geohazards Room D 11,00 Facilities and their Life Cycle Assessment Room B Production Optimisation 3 Room C Gas to Market Room D | 9,00 SPECIAL SESSION Offshore Regulations and Technologies: 5 years after Macondo Room A 9,00 AIPE Annual Meeting Sala Verde 9,00 TÜV RHEINLAND ITALIA - Presentation Presentation Gallery 11,00 HEMPEL Presentation Arena | | 9,00 Ravenna and its symbols Tour Compliments of OMC Organisers City Centre 10,40 Coffee Break Sponsored by Aquatic Subsea 13,00 Best Papers & Exhibition Awards Luncheon Sponsored by Adriatic LNG |

GENERAL PROGRAMME

TUESDAY 24th MARCH

- 9.00** 21st OMC Golf Tournament at the Adriatic Golf Club of Cervia, Milano Marittima - Sponsored by ROCA
- 19.00** Welcome Cocktail - Sponsored by Ravenna Chamber of Commerce

WEDNESDAY 25th MARCH

- 9.30** Inauguration of the Exhibition
- 10.00** Opening Ceremony - Welcome Addresses
- 10.30** Opening Plenary Session: *Focus on Change: Planning the next 20 Years. Diversifying choices, increasing opportunities*
- 13.00** Working Luncheon - Sponsored by Proger
- 14.30** Digital Posters, Hall 3
- 14.30 - 16.10** Technical Sessions:
Well Construction and Management 1
Offshore and Deepwater 1
Reservoir Characterisation 1
Seismics and Exploration
Flow Assurance
- 16.30 - 18.10** *Well Construction and Management 2*
Offshore and Deepwater 2
Production Optimisation 1
Environmental Protection in Offshore Operations
- 18.00** Workshop by Assomineraria
- 18.00** Exhibition area closes
- 21.00** Gala Dinner - eni is partner of the event

THURSDAY 26th MARCH

- 9.00** Exhibition Opening
- 9.00** Digital Posters, Hall 3
- 9.00 - 10.40** Technical Sessions
Offshore and Deepwater 3
Technical and Non Technical Risk Assessment
Drilling: New Technologies 1
Safety and Environmental Protection in Offshore Operations
- 9.00 - 10.40** Enhanced Oil Recovery: *Field Cases and Faster Way to Implementation*
- 9.00 - 12.40** Advanced Proven Technologies Increase Productivity, Quality, Safety and Security - Workshop by ISA
- 11.00 - 18.00** Youth programme: *Company presentations + Student 5 minute contest*

GENERAL PROGRAMME

THURSDAY 26th MARCH

- 10.45 - 11.00** Coffee Break - Sponsored by Aquatic Subsea
- 11.00 - 12.40** Technical Sessions
EOR Technologies
Offshore and Deepwater 4
Sustainability and Environment
Opportunities in Exploration
Energy Efficiency
- 13.00 - 14.30** Working Luncheon - Guests of OMC Organizers
- 14.30** Digital Posters, Hall 3
- 14.30 - 16.10** Technical Sessions
Well Construction and Management 3
Subsea Production
Reservoir Monitoring and Simulation
Deep and Ultradeep 1
Sustainability
- 16.10 - 16.30** Coffee Break - Sponsored by Aquatic Subsea
- 16.30 - 18.00** Subsea Construction Vessels - Workshop by Rosetti Marino
- 16.30 - 18.10** Technical Sessions
Drilling: New Technologies 2
Strategies for Offshore Developments
Reservoir Characterisation 2
Offshore Regulations - A warm up for Friday Special Session
- 18.00** Exhibition area closes

FRIDAY 27th MARCH

- 9.00** Exhibition Opening
- 9.00 - 13.00** Special Session:
Offshore Regulations and Technologies: Five years after Macondo
- 9.00 - 10.40** Technical Sessions
Unconventional Resources
Production Optimisation 2
Geohazards
- 10.45 - 11.00** Coffee Break - Sponsored by Aquatic Subsea
- 11.00 - 12.40** Technical Sessions
Facilities and their Life Cycle Assessment
Production Optimisation 3
Gas to Market
- 13.00** Award Luncheon - Sponsored by Adriatic LNG
- 15.00** Exhibition area closes

WEDNESDAY 25th MARCH
14.30 - 16.10

ROOM A SEISMICS AND EXPLORATION

Chairpersons:
Hamed Harby, IEOC
Mohand Said Malla, Sonatrach

SEIS 01/113 UNVEILING COMPLEX GEOLOGY WITH BROADBAND IMAGING

Vetle Vinje, Roger Taylor,
Philippe Bertrand (CGG)

SEIS 02/90 2D SEISMIC LINES REPROCESSING TEST USING COMMON REFLECTION SURFACE TECHNIQUE

Sara Civello, Jean-Michel Janiseck
(Total E&P), Claudio Strobbia (Total CSTJF)

SEIS 03/92 DE-RISKING APPRAISAL PHASE BY A PROPER IMAGING WORKFLOW: A CASE HISTORY FROM ONSHORE NORTH AFRICA

R. Bacenetti, M. Buia, A. Cascone,
F. Doniselli (eni)

SEIS 04/140 UNLOCKING SUBTLE HYDROCARBON PLAYS THROUGH 3D SEISMIC AND WELL CONTROL: A CASE STUDY FROM WEST GEBEL EL ZEIT DISTRICT, SOUTHWEST GULF OF SUEZ, EGYPT

Ahmad Mostafa (Ganoub El Wadi Petroleum
Holding Company), Adel Sehim
(Cairo University), Mohamed Yousef
(Ain Shams University)

ROOM B OFFSHORE AND DEEP WATER TECHNOLOGIES 1

Chairpersons:
Daniel Averbuch, IFP
Fabio Cervini, Halliburton

OFF A22/266 ARCTIC RISK PICTURE - MANAGEMENT OF SAFETY AND ENVIRONMENTAL RISK

Øivin Aarnes, Marte Rusten,
Børre Paaske (DNV GL)

OFF 02/276 SUBSEA GAS COMPRESSION FOR A GREENFIELD LONG DISTANCE TIE-BACK TO AN ONSHORE LNG FACILITY

Tine Bauck Irmann-Jacobsen, Bodil Hop,
Tayo Kazeem Awlola, (FMC Technologies Inc),
Roberto Ferrario, Daniele Vanzan
(Tecnomare - eni)

OFF 03/211 ANGOLA WEST HUB: A PHASED DEVELOPMENT OF SEVERAL RESERVOIRS THROUGH LONG TIEBACKS AND INCREASED OIL RECOVERY TECHNOLOGIES

Marco Bortolotto, Tommaso Castellitto,
Lorenzo Dell'Orto, Bernardino Farese,
Maria Ferraro, Stefano Magi, Fabio Mancini,
Michele Margarone (eni)

OFF A17/166 THERMODYNAMIC ISSUES IN DOWNHOLE SOUR GAS PURIFICATION BY WATER SCRUBBING

Giorgia De Guido, Laura A. Pellegrini,
Simone Gamba, Fabio Inzoli, Gaël Guédon
(Politecnico di Milano)

ROOM C RESERVOIR CHARACTERISATION 1

Chairpersons:
Abdel Hady Taher, Agiba
Gionata Ferroni, Geolog International

RES 01/98 RELIABLE TRAPPED GAS SATURATION MEASUREMENTS FROM FORCED IMBIBITION EXPERIMENTS

Luca Garolfi, Nicola Bona, Cesare Zanaboni,
Domenico Mezzapesa, Anne Marie Lyne,
Francesco Radaelli (eni)

RES 02/283 DYNAMICS OF LOW RESISTIVITY PAY ACACUS FORMATION; NORTH AFRICA FORMATION TESTING EXPERIENCE AND CHALLENGES

Ahmed Moge Ali Menzli Slim, Chraief Maher
(OMV Tunisia), Mohammed Shady,
Mohamed Salah Bensib, Michel Claverie
(Schlumberger)

RES 03/191 ENI TLS DECONVOLUTION FOR THE RESERVOIR MANAGEMENT

Valentina De Gaetano, Eleonora Azzarone,
Enzo Beretta, Giuseppe Tripaldi (eni)

RES 04/180 QUANTITATIVE EVALUATION OF INVASION FROM TIME LAPSE LWD MEASUREMENTS TO OPTIMIZE THE FORMATION TESTING AND SAMPLING PROGRAM

Evgeny Tyurin (Baker Hughes),
Massimiliano Borghi, Stefano Cagneschi,
Franco Sirtori (eni e&p), Sefer Coskun,
Barkas Nikolaos (Baker Hughes)

ROOM D WELL CONSTRUCTION AND MANAGEMENT 1

Chairpersons:
Joachim Oppelt, Baker Hughes
Adam Vasper, Schlumberger

WELL 01/95 ENHANCED POST-WELL ANALYSES BY DATA INTEGRATION OVER ENTIRE PROJECTS' LIFECYCLE

Fabrizio Zausa, Emanuela Comizzoli,
Barbara Nazzari (eni e&p),
Jean Michelez (Kwantis)

WELL 02/194 INNOVATIVE WELL INTEGRITY APPROACH FOR PROACTIVE MANAGEMENT OF PRODUCTION/ INJECTION WELLS, CONSIDERING WELL BARRIERS DEGRADATION AND RESIDUAL WELL LIFE ESTIMATION

Paolo D'Alesio (Pro Energy), Olivier Poupard
(Oxand), Livio Caramanico (Pro Energy)

WELL 03/30 A METHOD TO IMPROVE ADHESION STRENGTH AT THE CEMENT/STEEL CASING INTERFACE AND ITS EFFECT ON CEMENT EVALUATION LOG RESPONSE

Maxime Lacuve, Alice Chougnat,
Mickaël Allouche (Schlumberger),
Cécile Mazard (Omnova Solutions)

WELL 04/49 NOVEL FIBER-BASED LOST CIRCULATION TREATMENT CURED TOTAL LOSSES IN DEPLETED ZONES IN EMERAUDE FIELD

Nadish Gupta, Marius Suhaimi (Schlumberger),
Stephane Rouat, Sebastien Commerçon,
Giuseppe Forni (Perenco)

SALA VERDE FLOW ASSURANCE

Chairperson:
Claude Valenchon, Saipem

FLOW 01/201

FIELD TESTS RESULTS OF PRODUCTION INSIDE HYDRATE P&T ZONE USING NEW HYDRATE MONITORING INSTRUMENTS

Philippe Glénat, Pratik Saha (Total SA), Calum Macpherson (Total UK), Bahman Tohidi, Jinhai Yang (Heriot-Watt University)

FLOW 02/115

TOOLS AND METHODOLOGIES TO INCREASE PRODUCTIVITY IN FLOW ASSURANCE STUDIES - ENI EXPERIENCE

Alberto Di Lullo, Paolo D'Antona (eni)

FLOW 03/278

SUBSEA PIPELINE ELECTRIC HEAT TRACING (EHT) - ACTIVE HEATING APPLICATION FOR A DEEP WATER BROWN FIELD DEVELOPMENT

Christophe Candelier, Sasa Durica (Total E&P)

FLOW 04/249

FIELD DEPLOYMENT OF ENI VIBROACOUSTIC PIPELINE MONITORING SYSTEM (E-VPMS): LONG TERM PERFORMANCE ANALYSIS

R. Schiavon (Tecnomare), G. Bernasconi (Politecnico di Milano), G.P. Borghi, G. Giunta (eni)

WEDNESDAY 25th MARCH 16.30 - 18.10

ROOM B OFFSHORE AND DEEP WATER TECHNOLOGIES 2

Chairpersons:
Umberto Vitali, Rosetti Marino
Fabio Decataldo, FMC Technologies

OFF 05/262

GROUND MODEL: A HIGH VALUE SUPPORT TO DEEPWATER GIANT DEVELOPMENTS

Marco Savazzi (Eni E&P), Stephen Thomas (Furgo Geoconsulting Ltd), Fabio Folcini (Eni), Margherita Latronico, Emanuele Negri, Ruggero Nigido (Eni E&P)

OFF 06/205

SUCTION PILE FOUNDED ONE PIECE INSTALLED PLATFORM

Mark Riemers (Spt Offshore), Marc Voorhuis (Scaldis Salvage And Marine Constructors), Etienne Alderlieste (Spt Offshore)

OFF 07/269

DEVELOPMENT AND REQUIREMENT FOR SUBMARINE SURVEYS OF LONGER ROUTES AND DEEPER AREAS

Nils Ingvarson, Martin Wikmar (Mmt)

OFF A21/145

FLOATING PRODUCTION UNITS - TURRETS THE EFFECTIVENESS OF A CONSTRUCTABILITY APPROACH

Carlo Pellegrino, Andrea Bombardi (RINA Services)

ROOM C PRODUCTION OPTIMISATION 1

Chairpersons:
Gianpaolo Somaschini, Schlumberger
Alberto Pelliccia, Shell

PROD 01/100

SLUG CATCHER MULTIPHASE CFD MODELLING: COMPARISON WITH INDUSTRIAL STANDARDS

Luca Cadei (Eni), Gianluca Montenegro (Politecnico Di Milano), Silvia Masi, Amalia Bianco, Sara Scaramellini, Andrea Di Sarra, Paolo Cerri (Eni)

PROD 03/01

FIRST EVER SUB-SEA HYDRAULIC JET PUMP SYSTEM USED TO OPTIMIZE SINGLE WELL DEVELOPMENT OFFSHORE TUNISIA

Toby Pugh (Weatherford International), Cherif Ben Khelifa (Lundin Tunisia), Ken Fraser (Norwell Engineering)

PROD A14/142

INTEGRATED OPTIMIZATION OF SURFACE ASSETS WITH FLUID-DYNAMIC CHECK WORKFLOW: A REAL CASE APPLICATION

Andrea Di Sarra, Giorgio Viadana, Sara Scaramellini, Irene Frino, Simone Pellegrini, Amalia Bianco, Silvia Masi (eni)

PROD A19/176

INNOVATIVE AND SIMPLER TECHNOLOGY TO RECOVER FLARE GAS

Syed M. Peeran, N. Beg (Caltec Limited)

ROOM D WELL CONSTRUCTION AND MANAGEMENT 2

Chairpersons:
Antonio Santandrea, AVA
Francesco Paoli, Schlumberger

WELL 05/118

THE APPLICATION OF THE EXTREME-LEAN PROFILE AS AN EXAMPLE OF OPERATIONAL EXCELLENCE WHICH ALLOWED TO ACHIEVE AN OUTSTANDING PRODUCTION PERFORMANCE BY REACHING THE TARGET WITH A BIGGER HOLE SIZE

Alessandro Puliti, Claudio Molaschi, Alberto Mallardi, Giuseppe De Grandis (eni)

WELL 06/120

HIGH PERFORMANCE WATER BASE FLUID IMPROVES RATE OF PENETRATION AND LOWERS TORQUE. SUCCESSFUL APPLICATION AND RESULTS ACHIEVED BY DRILLING A HORIZONTAL SECTION THROUGH THE RESERVOIR

Alberto Mallardi, Nevio Moroni, Claudio Molaschi, Giuseppe De Grandis (eni), M. Molina, L. Bussaglia, F. Arpini, H. Dearing (AVA/Newpark Drilling Fluids)

WELL 08/71

ADVANCES IN THE HYDROCARBON GAS-LIQUID EQUILIBRIUM UNDERSTANDING IN WATER AND OIL-BASED DRILLING FLUIDS

Davide Doninelli, Jenny Rizzola (Politecnico di Milano), Luigi Da Rù (Geolog SRL), Paolo Gronchi (Politecnico di Milano)

WELL A19/102

SETTLING AND SLIP VELOCITY EVALUATION IN SYNTHETIC DRILLING FLUID

Silvio Baldino, Reza Etehadhi Osgouei, Evren Ozbayoglu, Stefan Miska (TUDRP), Roland May (Baker Hughes)

SALA VERDE ENVIRONMENTAL PROTECTION IN OFFSHORE OPERATIONS

Chairpersons:
Gonzalo Dieste, Total
Brian Igoe, Siemens

ENV 01/60

HEADS. MARINE SURVEILLANCE SYSTEM FOR OIL SPILLS

Antonio Pérez-Lepe, José Vicente Solano (Repsol), Ángela Pueyo, Marcos García-Caravantes, Juan Pablo Gómez, Joaquín Gutiérrez-Goiria (Indra)

ENV 03/256

A PROBABILISTIC MODELLING FRAMEWORK FOR ESTIMATING THE ECONOMIC CONSEQUENCES FOR OIL SPILLS

Torleiv S. Grimsrud, Øyvind Endresen, Magnus S. Eide (DNV GL)

ENV 04/230

PLATFORM FOR OIL SPILL RESPONSE GAP ANALYSIS - CASE BARENTS AND NORWEGIAN SEAS

Delphine Laborde, Anne Wenke, Øyvind Endresen, Øivin Aarnes (DNV GL)

ENV A05/279

THE APPLICATION OF THE INTEGRATED ENVIRONMENTAL AUTHORIZATION ("AIA") IN A FEASIBILITY STAGE OF THE OFFSHORE ACTIVITY: A CASE STUDY

Antonello Rubino (Medoiligas Italia), Marenza Gigante (Basis Engineering)

THURSDAY 26th MARCH 9.00 - 10.40

ROOM A ENHANCED OIL RECOVERY: FIELD CASES AND FASTER WAY TO IMPLEMENTATION

*Moderator: Alexey Andrianov, EOR expert,
Eni Upstream*

Description:

As global energy demand continues to increase, more countries and companies evaluate and apply EOR techniques to produce more oil from their assets. Enhanced Oil Recovery is one of themes of OMC 2015. The workshop includes panel and technical sessions dedicated to EOR with focus on field applications and faster implementation of EOR techniques. Technical papers will be presenting EOR field cases, development and characterization while panel presentations will describe the EOR field cases, capability development and implementation. The panelists will present EOR field cases from their company and share their view on faster moving EOR from lab to field.

IOR/EOR A CHANGING LANDSCAPE

Diederik Boersma, Manager IOR/EOR, Shell Global Solutions Capability Development

POLYMER FLOODING - FROM MICRO - TO FIELD SCALE

Torsten Clemens, Chief Scientist for Reservoir Engineering, OMV E&P

BUILDING AN ENHANCED OIL RECOVERY CULTURE

Marco Rotondi, Manager IOR/EOR, Eni Upstream

*General discussion on moving EOR
and reducing its costs.*

ROOM B OFFSHORE AND DEEP WATER TECHNOLOGIES 3

Chairpersons:
Salvador Fernando Adorno, Schlumberger
Fabrizio Rollo, eni

OFF 09/13

ENHANCED MODELLING FOR PIPELINE DEFECTS ASSESSMENTS

Dominique Popineau, Vincent Gaffard (Total), Michel Bernard, Julien Fontanabona (Technitas)

OFF 10/146

ANTI FLOODING TOOL: HOW TO REDUCE CONSEQUENCES OF A WET BUCKLE DURING LAY

Manuel Simionato, Stefano Redi, Natalia Pierozzi, Adriano Calzavara, Roberto Visentin (Saipem)

OFF 11/237

DNV GL FLOATPIPE: A PIPELINE CONCEPT FOR CHALLENGING SEABED

Asle Venas, Mario Caruso (DNV GL)

OFF 12/225

INSTALLATION CHALLENGES FOR ULTRA-DEEP WATERS

Lorenzo Penati, Matteo Ducceschi, Armando Favi, Davide Rossin (Saipem)

ROOM C TECHNICAL AND NON TECHNICAL RISK ASSESSMENT

Chairpersons:
Fedora Quattrocchi, INGV
Franca Mazzatorta, Shell

RISK 01/227

RESULTS OF ENVIRONMENTAL RISK ANALYSIS CARRIED OUT ON UK DUNBAR OFFSHORE INSTALLATIONS

Jean-Marie Libre, Christelle Jennet (Total E&P), Valentin Vandenbussche (DNV GL)

RISK 02/97

FIT FOR PURPOSE R&D PROGRAMS FOR NEW DRILLING TECHNOLOGIES APPLYING A SYSTEMATIC AND EXHAUSTIVE SAFETY/ECONOMIC APPROACH

Nicola Rossi (Kwantis), Fabrizio Zausa, Paolo Ferrara (eni E&P)

RISK 03/28

INTEGRATED RISK MANAGEMENT TO MEET THE CHALLENGES OF TODAY'S OIL & GAS INDUSTRY

M. Cagianelli (Edison E&P), F. Nava, J. Michelez (Kwantis)

RISK 04/147

SIMULATION OF ACCIDENTAL LNG DISPERSION

Valentina Busini, Renato Rota (Politecnico di Milano)

ROOM D DRILLING: NEW TECHNOLOGIES 1

Chairpersons:

*Alberto Martocchia, Geolog International
Alberto Maliardi, eni*

DRILL 01/19

**MANAGED PRESSURE DRILLING STRATEGIES
ENABLE SUCCESSFUL DRILLING
OF THE DEEPEST HPHT EXPLORATORY
WELL IN THE MEDITERRANEAN SEA**

*Alek Ozegovic, Erwin Gomez,
Ramon Zambrano (Weatherford),
Wilco Geldof, Nigel Thorn (BG Egypt)*

DRILL 03/51

NEW GENERATION GAS TIGHT CONNECTION

*Wendell Bassarath, Romain Branly,
Jonathan Franchi (Vallourec)*

DRILL A13/50

**INNOVATIVE HEAVY LANDING SYSTEM FOR
ULTRA DEEP OFFSHORE APPLICATIONS**

*Laurent Bordet, Vincent Flores,
Jonathan Franchi, Scott Granger (Vallourec),
Andre Vierke (Blohm + Voss Oil Tools)*

DRILL A09/281

**HIGH-PERFORMANCE FLUID CONTRIBUTES
TO IMPROVED DRILLING RESULTS IN
UNCONVENTIONAL SANDSTONE FORMATION**

*Mike Winsor (Indigo Minerals),
Harry Dearing, Matt Dixon,
Janine Shipman (Newpark Drilling Fluids)*

SALA VERDE SAFETY AND ENVIRONMENTAL PROTECTION IN OFFSHORE OPERATIONS

Chairpersons:

*Delphine Laborde, DNV GL
Luciano Scataglini, eni*

SAFE 01/137

**VIRTUAL REALITY OF A TYPICAL ENI
PLATFORM TO ANTICIPATE AND TRAIN FOR
START-UP, MAINTENANCE AND EMERGENCY
OPERATIONS**

*Igor Juricic (Intergraph), Luigi Malaguti
(Tecnomare), Marcello Poggi (eni)*

SAFE 02/233

**WELL KILLING GUIDANCE SYSTEM:
OPERATION AND HANDLING TESTED
IN WATER**

*P. Ferrara (eni), R. Campaci, M. Carazzato,
E. De Marchi, M. Filippini, R. Finotello
(Tecnomare)*

SAFE 03/36

**BIODIVERSITY CONSERVATION AND O&G
OFFSHORE OPERATIONS IN MEDITERRANEAN:
HOW TO FIT THEM WITHIN THE RECENT
CONSERVATION INITIATIVES AND NEW
MONITORING TOOLS**

*Giovanni Torchia, Francesco Pititto,
Albina Taimanova, Massimo Dragan
(Golder Associates)*

SAFE 04/3

**THE CHALLENGE TO MINIMISE EMISSIONS
FROM OFFSHORE POWER GENERATION**

*Brian Igoe
(Siemens Industrial Turbomachinery Ltd)*

THURSDAY 26th MARCH 11.00 - 12.40

ROOM A EOR TECHNOLOGIES

Chairpersons:

*Fernando Luis Morales Urosa, Schlumberger
Marco Rotondi, eni*

EOE 01/20

**INFLUENCE OF ALKALI AND SURFACTANTS
ON NEAR-WELLBORE- AND RESERVOIR
VISCOSITIES OF POLYMERS FOR EOR
APPLICATIONS**

*Thomas Gumpenberger, David Zabel,
Torsten Clemens (OMV Exploration
& Production GmbH)*

EOE 02/39

**POLYMER INJECTION: EOR APPLICATION
IN NORTH AFRICAN FIELD FROM
LAB ANALYSIS TO PROJECT START-UP**

*Corrado Sebastiano Pizzinelli,
Franco Masserano, Stefano Dresda,
Roberto Cimino, Elena Braccalenti,
AbdElRahman Ahmed (eni)*

EOE 03/10

**EFFICIENCY AND RECOVERY MECHANISMS
OF LOW SALINITY WATER FLOODING IN
SANDSTONE AND CARBONATE RESERVOIRS**

*Abdulrahman A. AlQuraishi, Saud N.
AlHussinan, Hamdan Q. AlYami (KACST)*

EOE 04/139

**DEVELOPMENT OF NANO AND MICRO
DELIVERY SYSTEMS OF POLYMERS FOR
WATER-BLOCKING**

*Ruggiero Maria Pesce, Davide Moscatelli
(Politecnico di Milano)*

ROOM B OFFSHORE AND DEEP WATER TECHNOLOGIES 4

Chairpersons:

*Claude Valenchon, Saipem
Asle Venas, DNV GL*

OFF 13/91

**IN-SERVICE BUCKLING ASSESSMENT.
THE CORRECT USE OF ENGINEERING
MODELLING TOOLS**

*Lorenzo Maria Bartolini, Walter D'Alonzo,
Lorenzo Marchionni, Sara Tassetti (Saipem)*

OFF 14/234

**OPTIMISING PRODUCTION THROUGH
EFFICIENT SAND RISK MANAGEMENT
IN DEEPWATER PRODUCTION WELLS**

Furqan Khan, Alexander Okotete (Total)

OFF 15/277

**SAND MANAGEMENT IN SUBSEA PRODUCED
WATER SEPARATION UNIT - REVIEW
OF TECHNOLOGIES AND TESTS**

*Sadia Shaiek, Stéphane Anres,
Thomas Valdenaire (Saipem)*

OFF 16/267

**SUCCESSFUL EXPERIENCE OF HYDRATE
PLUG REMOVAL FROM DEEPWATER GAS
INJECTION FLOWLINE**

*Michele Piemontese, Marco Rotondi,
Alessandro Perciante, Andrea Genesis,
Fabio Iolli (eni)*

ROOM C SUSTAINABILITY AND ENVIRONMENT

Chairpersons:
Fernanda Panvini, Enel
Marco Abbiati, Università di Bologna

SUST 01/96

MICRO-SEISMIC MONITORING OF UNDERGROUND GAS STORAGE. THE "COLLALTO" SEISMIC NETWORK

Gaetano Annunziata (Edison Stocaggio), Enrico Priolo (OGS Trieste)

SUST 02/210

BIODEGRADATION OF HYDROCARBONS: CLEAN PROMISING DEPOLLUTION TECHNOLOGY FOR A SUSTAINABLE MANAGEMENT OF ENVIRONMENT IN OIL&GAS INDUSTRY

Mansour Dalila (Sonatrach), Djamel Djenane (Université Mouloud Maameri-Tizi Ouzou), Nouredine Nasrallah (Università des Sciences et de la Technologie-Houari Boumediene) Zouad Hamid, Boutrif Amina (Université M'hamed Bougara-Boumerdes)

SUST A05/192

A NOVEL HYDROPHOBIC MATERIAL FOR OIL-WATER SEPARATION THROUGH SELECTIVE PERMEATION: THE STUDY OF KEY PARAMETERS AFFECTING PERFORMANCE

Francesca Rubertelli, Andrea Chiodini, Roberto Bagatin, Lino Carnelli (eni)

SUST A06/195

A COMPLETE METHOD TO SAFEGUARD THE BURIED PIPELINES SUBJECT TO LANDSLIDE EFFECT

Domenico Mazzone, Nicola Castrignano, Cesare Di Michele (Proger)

ROOM D OPPORTUNITIES IN EXPLORATION

Chairpersons:
Francesco Bertello, IEOC
Ahmed Abdel Fattah, EGPC

EXPL 01/74

ENHANCE OIL RECOVERY BY DISCOVERING A NEW POTENTIAL HYDROCARBON FROM THE UNCONVENTIONAL RESERVOIR, IN ABU RUDIES/SIDRI FIELD, GULF OF SUEZ, EGYPT

Adel Fahmi, Medhat El-Tokhy, Alaa Attia, Sharif Saber, Alaa Madkour (Petrobel)

EXPL 02/149

THE EMRY DEEP OIL DISCOVERY, A NEW TYPE OF PLAY IN AN OTHERWISE MATURE PROVINCE

Vincenzo Ragone, Antonio Franchino (Agiba Petroleum Co.), Francesco Bertello, Hamed Harby, Hesham Sokkar (leoc Egypt Branch)

EXPL 03/287

OFFSHORE SARDINIA (ITALY): NEW PERSPECTIVES IN THE MARINE ZONE OPEN TO HYDROCARBONS EXPLORATION AND EXPLOITATION

Ilaria Antoncecchi, Francesca Ceruti (Ministero Sviluppo Economico)

EXPL 04/172

ADVANCED SEISMIC TECHNIQUES TO ENHANCE EXPLORATION IN THE MEDITERRANEAN BASIN

Cyril Saint-Andre, Patrick Charron, Abderrahim Lafram (Total SA)

SALA VERDE ENERGY EFFICIENCY

Chairpersons:
Ezio Mesini, Università di Bologna
Ivan Baggi, Shell

EFF 01/135

SURPLUS HEAT: FREE FUEL FOR EFFICIENCY IMPROVEMENT IN THE OIL&GAS INDUSTRY

Riccardo Vescovo, Francesco Campana (Turboden)

EFF 02/114

IMPROVE THE PERFORMANCE OF NATURAL GAS PROCESSING PLANTS BY UTILIZING WASTE HEAT FOR PROCESS HEATING AND POWER GENERATION PURPOSES

Ahmed Haridy Abdel Hameed, Samir Zayed (Petrobel)

EFF 03/265

DEVELOPMENT OF INNOVATIVE SOLAR-FOSSIL HYBRID PLANT IN A REMOTE O&G AREA

Valerio Brocco, Filomena Castaldo, Roberto Cimino, Giambattista De Ghetto, Stefano Rossini (eni)

EFF 04/241

CONCENTRATING SOLAR POWER APPLIED TO EOR: HIGH TEMPERATURE FLUID CIRCULATION FOR ENHANCING THE RECOVERY OF HEAVY OIL

Daniele Testa, Lino Carnelli, Gianni Corso, Carla Lazzari, Micaela De Simoni, Giuseppe Sassi, Alice Tegami (eni)

THURSDAY 26th MARCH 14.30 - 16.10

ROOM A WELL CONSTRUCTION AND MANAGEMENT 3

Chairpersons:
Franco Arpini, Ava
Nicola Rossi, Kwantix

WELL 09/40

APPLICATION OF MULTI-ZONE SINGLE-TRIP SYSTEM IN WEST AFRICA: OPTIMIZATION AND COST-SAVING OPPORTUNITIES FOR DEEPWATER APPRAISAL WELL COMPLETIONS

Marco Colombo, Dario Pellicanò, Michele Piemontese, Giuseppe Ripa (eni), Nmelu Ikechukwu, James Ochieze (NAE), Mario Di Pietro, Andres Garcia, Emmanuel Ezeike (Baker Hughes)

WELL 10/44

SONATRACH EXPERIENCE AND APPROACH IN THE OPTIMIZATION OF DRILLING WASTE MANAGEMENT PRACTICES IN DRILLING OPERATIONS

Samira Bellatache Annane, Brahim Hammoudi (Sonatrach)

WELL 11/105

MULTI STAGE ACID FRACTURING ON CARBONATE RESERVOIR, SUCCESSFUL EXPERIENCE FROM OFFSHORE CONGO

Rolle V. Itoua, Francesco Martocchia (eni e&p), Salvatore Baretti, Lisa Farina, Cyr Rodrigue Nziembo, Fred Sita (eni Congo), Robert Ilyasov, Yoann Santin (Halliburton)

WELL 12/207

USE OF DRILLING WITH LINER TECHNOLOGY TO MITIGATE A CATASTROPHIC LOSS INTERVAL. A SUCCESSFUL CASE STUDY IN THE NORTH SEA

Mark van-Aerssen (Wintershall Noordsee b.v.), Steven Rosenberg, Ronald Wever, Ming Zo Tan, Alexandro Salinas, Moji Karimi, Rex L. Winchell (Weatherford)

ROOM B SUBSEA PRODUCTION

Chairpersons:
Alejandro Barrero, Granherne
Danilo Maddalena, Tecnomare

SUBSEA 01/197

SEPARATOR EFFICIENCY MODEL DURING HYDRODYNAMIC AND SEVERE SLUGGING

Cristiano Di Benga, Simone Sodini, Vittorio Faluomi (TEA Sistemi)

SUBSEA 02/213

MODELLING OF PETROLEUM MULTIPHASE FLUIDS IN ESPS: AN INTELLIGENT APPROACH

Morteza Mohammadzaheri, Zurwa Khan, Reza Tafreshi (Texas A&M University at Qatar) Matthew Franchek, Karolos Grigoriadis (University of Houston)

SUBSEA 03/35

PROJECT EXECUTION OF A COMPLETE SUBSEA MULTIPHASE PUMP SYSTEM FOR THE DRAUGEN FIELD IN NORWAY

Fredrik Wadel-Andersen (OneSubsea Processing As)

SUBSEA 04/141

SUBSEA MULTIPHASE PUMPING: AN ENABLER FOR DEEPWATER DEVELOPMENTS

F. Moen, Å. Hofstad, S. Rasmussen, A. Grynning (Aker Solutions)

ROOM C RESERVOIR MONITORING AND SIMULATION

Chairpersons:
Paolo Terdich, Edison
Francesca Verga, Politecnico di Torino

RES 09/264

ASSESSMENT OF THE POTENTIAL FOR INDUCED SEISMICITY AT THE CAVONE OILFIELD: ANALYSIS OF STRUCTURAL AND GEOPHYSICAL DATA, AND GEOMECHANICAL MODELING

Rubens Juanes, Bradford H. Hager (MIT), John H. Shaw (Harvard University), Birendra Jha (MIT), Andreas Plesch (Harvard University), Luciana Astiz (University of California San Diego), James H. Dieterich (University of California Riverside), Cliff Frohlich (University of Texas at Austin), Daniele Susanni, Fabio Colombo, Luca Magagnini (ENVIRON)

RES 11/83

DEVELOPING WHILE APPRAISING A TIGHT OIL RESERVOIR FROM DISCOVERY TO EARLY PRODUCTION AND FULL FIELD DEVELOPMENT

Davide Tizzano, Gaetano Mazza, Silvia Bardini, Luigi Colella, Daniela Morra, Alessandro Tiani, Raffaele Giardini (eni)

RES 12/106

PRACTICAL ALTERNATE INTEGRATED ASSET MODELS

Saad Ali Ghouri, Saadoun Banoori, Caterina Topini, Dario Rametta (eni)

RES A14/163

ALTERNATIVE APPROACH TO ABSOLUTE PERMEABILITY ESTIMATION USING NMR-DERIVED GRAIN SIZE DISTRIBUTION

Evgeny Tyurin (Baker Hughes), Marco Pirrone, Massimiliano Borghi, Patrizio Gossenberg, Nicola Raimondi Cominesi (eni e&p)

ROOM D DEEP AND ULTRADEEP

Chairpersons:
Petter Johannesen, Aker Solutions
Edgar Keijser, Oil States Industries

DEEP 01/220

“PROXIMA” DRILLSHIP: A UDW DRILLSHIP WITH A VISION OF THE FUTURE DEVELOPMENT OF OFFSHORE OIL & GAS EXPLORATION

Luca Ambrosio, Gianni Scherl, Marko Keber (Fincantieri Offshore)

DEEP 02/224

HIGH CAPACITY INSTALLATION EQUIPMENT FOR MEETING THE CHALLENGES OF ULTRA DEEP WATERS

Matteo Ducceschi, Dario Donelli, Roberto Faldini, Davide Rossin (Saipem)

DEEP 03/183

MODULAR PIPELINE RECOVERY TECHNOLOGY DEVELOPMENTS

Greg Campbell-Smith (First Subsea)

DEEP 04/238

TAKING DEEP-WATER PIPELINES TO THEX-STREAM

Asle Venas, Flávio L. B. Diniz, Celso V. Raposo, Mario Caruso Neto (DNV GL)

SALA VERDE SUSTAINABILITY

Chairpersons:
William Palazzo, Proger
Dalila Mansour, Sonatrach

SUST 03/259

A NEW EXPERIENCE FOR PUBLIC-AWARENESS TOWARDS PUBLIC-ACCEPTANCE IN E&P: 3D REAL RESEVOIR REPRESENTATION

Paolo De Filippis, Francesco Napoli, Carmine Nolè, Gioia Tozzi, Sira Lage (Università La Sapienza), Fedora Quattrocchi (INGV), Rocco Santoleri, M. Melatti (COESUM)

SUST 04/86

CASE HISTORY IN SCIENTIFIC AND PSEUDO-SCIENTIFIC MASS-MEDIA COMMUNICATION IN ENERGY/HEAT PRODUCTION FROM UNDERGROUND (GEOGAS STORAGE, GEOTHERMICS, HYDROCARBONS) IN THE FRAME OF NIMBY SINDROME ENHANCEMENT IN EUROPE: THE PROPOSAL OF A NEW EUROPEAN DIRECT

Fedora Quattrocchi (INGV), Enzo Boschi (University of Bologna)

SUST 05/84

SOCIAL PERFORMANCE, CHOICE AND OPPORTUNITY IN THE COMMUNITY: A SHELL SPONSORED LIBRARY PROJECT IN BASILICATA

Nina Prentice, Donatella Fitzgerald (Oxford University Press), Ivan Baggi (Shell)

SUST 06/138

CASA TIBERI PLANT: IGZERO (“ITALIAN GAS AT KM.0”) WITH ZEM (“ZERO EMISSION PLANT”)

Diego Mezzadri (Appenine Energy), Alessandro Mosca (Puma Progetti), Sergio Bazzanini (Tesi Ingegneria)

**THURSDAY 26th MARCH
16.30 - 18.10**

ROOM A DRILLING: NEW TECHNOLOGIES 2

Chairperson:
Paolo Allara, Saipem

DRILL 06/170
**HIGH-TEMPERATURE DIRECTIONAL DRILLING
POSITIVE DISPLACEMENT MOTOR**
*Carsten Hohl, Harald Grimmer,
Jens Schmidt (Baker Hughes)*

DRILL 07/190
**A NOVEL INVERT EMULSION SYSTEM USING
A POLYGLYCEROL INTERNAL PHASE**
*Michael Redburn, Harry Dearing,
Matthew Bechaver, David Nash (Newpark
Drilling Fluids), Terry Allen, Kyle Scott
(Ultra Petroleum)*

DRILL 08/101
**MANAGED PRESSURE DRILLING PROVIDED
VALUE TO OFFSHORE DRILLING OPERATION**
*James Onifade, Engin Ertass, Essam Sammat
(Weatherford), Benhur Sahin (TPAO)*

DRILL A12/243
**DRILLMEC AHEAD: A NEW GENERATION
OF FULLY AUTOMATED DRILLING RIG
FORWARD DESIGNED TO MEET THE HIGHEST
HSE STANDARDS AND DRILLING EFFICIENCY**
Angelo Calderoni, Marco Cercato (Drillmec)

ROOM B STRATEGIES FOR OFFSHORE DEVELOPMENTS

Chairpersons:
*Oscar Guerra, Rosetti Marino
Tobias Rosenbaum, DNV GL*

OFFSTRAT 01/157
**360° INTEGRATION FOR SUCCESSFUL
COMPLEX RESERVOIR DEVELOPMENT**
*S. Bertoli, S. Banoori, M. Calderoni, N. Colombi,
P. Scaglioni, C. Topini (eni), C. De Draganich
Veranzio, V. Milluzzo, (eni Angola)*

OFFSTRAT 02/26
**TOTAL TECHNOLOGY ROADMAP
FOR FUTURE DEEPWATER ASSETS**
*Frederic Garnaud, Clement Boireau,
Dan Byrd, Thierry Palermo (Total)*

OFFSTRAT 03/175
**THE "CURSE" OF SUBSEA
INFRASTRUCTURE'S LONGEVITY:
TODAY'S CHALLENGES AND OPPORTUNITIES
IN DESIGNING TOMORROW'S OFFSHORE
FIELD DEVELOPMENTS**
*Alejandro Barrero, Francesco Beltrami
(Granherne)*

ROOM C RESERVOIR CHARACTERISATION 2

Chairpersons:
*Carlos Pirmez, Shell
Ferdinanda Pampuri, eni*

RES 05/200
**SEQUENCE STRATIGRAPHY, SEDIMENTOLOGY
AND RESERVOIR MODELING OF THE CORAL
RESERVOIR, OFFSHORE NORTHERN
MOZAMBIQUE**
*Denis Palermo, Franco Fonnese,
Mauro Galbiati, Domenico Mezzapesa,
Marco Marchesini, Filippo Maioli (eni)*

RES 06/188
**DRILLING RISKS MANAGEMENT AND
RESERVOIR CHARACTERIZATION WITH DEEP
DIRECTIONAL RESISTIVITY LOGGING WHILE
DRILLING**
*Roberto Berto, Massimiliano Borghi,
Nicola Raimondi Cominesi (eni),
Filippo Chinellato, James Dolan (Schlumberger)*

RES 07/63
**ADVANCED LOGGING TECHNOLOGY
COMBINED WITH INTEGRATED FORMATION
EVALUATION ANALYSES PROVIDES CONFIDENT
PETROPHYSICAL INFORMATION IN THE GIANT
GAS DISCOVERIES OF THE LEVANTINE BASIN**
*Fabio Brambilla, Johanne Paludan,
Evgeny Tyurin (Baker Hughes)*

RES 08/161
**TEXTURES AND MICRO-FRACTURES
ANALYSES ON DRILL CUTTINGS TO SUPPORT
WELL CHARACTERISATION IN CARBONATE
RESERVOIRS**
*Valentina Raffaele, Antonella Bersani,
Arabella Casero, (eni)*

SALA VERDE OFFSHORE REGULATIONS

A WARM UP FOR FRIDAY SPECIAL SESSION
Chairperson:
Bernard Vanheule, IOGP

REG 01/239
**THE NEW EU OFFSHORE SAFETY DIRECTIVE-
KEY REQUIREMENTS AND IMPACTS**
Martin Layfield, Fabio Lo Brutto (DNV GL)

REG 02/130
**OFFSHORE HSE REGULATIONS: THE NEW
PARADIGM IN THE MEDITERRANEAN SEA
AND ITS PRACTICAL CONSEQUENCES**
Emmanuel Garland (Total E&P)

REG 03/286
**TRANSPPOSITION OF DIRECTIVE 2013/30/EU
IN ITALY**
*Marcello Strada, Roberto Cianella,
Arianna Cofini, Luca Di Donatantonio,
Carla Giannitelli (Ministero Sviluppo Economico)*

REG 04/32
**EU DIRECTIVE ON OFFSHORE SAFETY:
A PROBLEM OR AN OPPORTUNITY?**
*Giovanni Uguccioni, Paola Rentocchini,
Chiara Giacchino (D'Appolonia)*

REG 06/289
**TRANSPPOSITION OF THE "MARINE STRATEGY"
EUROPEAN DIRECTIVE: IMPLICATION
OF THE LEGISLATIVE DECREE 190/2010
ON HYDROCARBON SECTOR OFFSHORE**
*Ilaria Antoncecchi, Andree Soledad Bonetti
(Ministero Sviluppo Economico)*

FRIDAY 27th MARCH
9.00 - 10.40

ROOM B **UNCONVENTIONAL RESOURCES**

Chairpersons:
Dario Viberti, Politecnico di Torino
Valerio Parasiliti, eni

UNCON 01/12
HOW TO EXPORT THE UNCONVENTIONAL REVOLUTION OUT OF NORTH AMERICA?
Philippe A. Charlez (Total)

UNCON 02/178
APPLICATION OF HYDRAULIC PULSED JET GENERATOR FOR ROP ENHANCEMENT IN SHALE GAS WELL
Shuang Liu, Gensheng Li, Huaizhong Shi, Shouceng Tian, Xuetian Zhao (China University of Petroleum)

UNCON 03/8
OPTIMIZED SHALE RESOURCE DEVELOPMENT
Usman Ahmed (Baker Hughes Inc.)

UNCON 04/68
HYDROCARBON RETENTION: A NEW WAY TO EVALUATE SOURCE ROCK AND UNCONVENTIONAL RESOURCE POTENTIAL WITH PETROLEUM SYSTEM MODELLING APPLICATIONS
Matilde Dalla Rosa, Loredana Caldiero, Danilo Dolci, Domenico Grigo, Paolo Ruffo (eni)

UNCON 05/162
ORDOVICIAN UNDISCOVERED RESOURCES IN SOUTH HASSI MESSAOUD. ORDOVICIAN HAMRA QUARTZITE, AN EXAMPLE OF TIGHT OIL - HASSI MESSAOUD BASIN
Nour Eddine Daoudi, Mohamed Mansouri (Sonatrach)

ROOM C **PRODUCTION OPTIMISATION 2**

Chairpersons:
Lucilla Del Gaudio, eni
Edoardo Dellarole, Tea Sistemi

PROD 05/81
INNOVATION INSTRUMENTS AND TECHNIQUES FOR MEASUREMENT SYSTEM OPERATION MANAGEMENT
Abimbola Akinmade, Giovanni Del Bufalo, Silvia Masi, Antonio Torsello (eni)

PROD 06/270
SUBSEA GAS COMPRESSION TECHNOLOGY FOR MAXIMIZED HYDROCARBON RECOVERY
Marco Gabelloni (Aker Solutions)

PROD 07/89
A REAL CASE APPLICATION OF INTEGRATED PRODUCTION OPTIMIZATION MODELLING: WELLHEAD COMPRESSOR PERFORMANCES
Sergio Ritondale, Andrea Di Sarra, Sara Scaramellini, Giorgio Viadana, Amalia Bianco, Silvia Masi (eni)

PROD 08/29
CRITICAL PRESSURE ANALYSIS OF THE INJECTION OF SHEAR THINNING FLUIDS IN POROUS MEDIA
Raffaele Romagnoli, Rajandrea Sethi, Tiziana Tosco (Politecnico di Torino)

FRIDAY 27th MARCH
9.25 - 10.40

ROOM D **GEOHAZARDS**

Chairpersons:
Umberta Tinivella, OGS
Davide Piccinini, INGV

GEO 01/173
DO THE NEW BROADBAND ACQUISITION TECHNIQUES ALLOW US TO IMPROVE SUB-SURFACE GEOHAZARD DETECTION?
Cyril Saint-Andre (Total SA), Aude Compoin (Université de Bretagne Occidentale), Eric Cauquil, Frederic Pivot (Total SA)

GEO 02/61
GEOHAZARD: INNOVATIVE GEOPHYSICAL METHODOLOGY TO REDUCE THE UNCERTAINTIES IN PORE PRESSURE PREDICTION
L. Mapelli (eni E&P), M. Della Martera, I. Orozova Bekkenvold (eni), M. Aleardi, A. Mazzotti (Università degli Studi di Pisa)

GEO 03/31
GEOHAZARD: LOWERING THE PROJECT RISK PROFILE
Marilena Calarco, Francesca Zolezzi, Eric J. Parker, Chiara Maria Traverso (D'Appolonia)

FRIDAY 27th MARCH
11.00 - 12.40

ROOM B **FACILITIES AND THEIR LIFE CYCLE ASSESSMENT**

Chairpersons:
Paolo Andreussi, TEA Sistemi
Alberto Di Lullo, eni

FCA 01/41
A SYSTEM APPROACH FOR EVALUATING RESIDUAL LIFE OR EXISTING FIXED OFFSHORE PLATFORMS
Stefano Copello, Fabio Petrillo, Stefano Gaugenrieder (RINA Services)

FCA 02/133
THE ACID GAS REMOVAL UNIT AT GASCO'S HABSHAN 5: SIMULATION AND COMPARISON WITH FIELD DATA
Laura Annamaria Pellegrini, Stefania Moioli, Fabian Max Munari (Politecnico di Milano), Barbara Picutti, Paolo Vergani (Tecnimont S.p.A. - Maire Tecnimont Group), Aldo Uccelletti

FCA 03/245
STRUCTURAL INTEGRITY MANAGEMENT: AN UPDATED ASSESSMENT OF STRUCTURAL PERFORMANCES AT THE BASE OF SUCCESS IN SERVICE LIFE EXTENSION EVALUATION
Stefano Sartirana, Augusto Moggia (Tecnomare), Gianfranco Rocchi, Alberto Callerio (Studio Geotecnico Italiano)

FCA 04/111
OFF-SHORE FACILITIES INTEGRITY MONITORING AND MANAGEMENT
Donisi Domenico, Fuggini Clemente, Gabriele Noli, Giovanni Uguccioni (D'Appolonia)



WEDNESDAY 25th MARCH
14.30 - 16.10 / Hall 3

ROOM C PRODUCTION OPTIMISATION 3

Chairpersons:
 Marcello Navanteri, Proger
 Gonzalo Dieste, Total

PROD 09/193

DUAL BOOSTING ESPS: A SOLUTION TO DELIVER HIGH REQUIRED FLOW IN LIMITED CASING SIZE

Bertrand Cesaire, Edo Raisa, Amin Echarki, Michel Falla (Total), Olivier Pierr, Brian Scott, Alok Dwivedi (Schlumberger)

PROD 10/187

FIRST OFF SHORE INSTALLATION WELLHEAD COMPRESSOR DEWATERING SYSTEM

Pasquale Imbò, Mirko Araldi (eni)

PROD 11/268

PRODUCTION OPTIMIZATION AND EMISSIONS REDUCTION BY ADAPTIVE LOAD SHARING OF TURBO-COMPRESSORS

Diego Pareschi, Andrea Cortinovis, Merhmet Mercangoez (ABB), Sergio Bittanti (Politecnico di Milano)

PROD 12/184

A NEW DOWNHOLE OIL-WATER SEPARATION SYSTEM

Edoardo Dellarole (TEA Sistemi), Domenica Di Renzo, Lucilla Del Gaudio (eni), Paolo Ciandri (TEA Sistemi), Marco Pedretti (eni), Stefano Tealdi (TEA Sistemi)

ROOM D GAS TO MARKET

Chairpersons:
 Alberto Delbianco, eni UK
 Fabio Inzoli, Politecnico di Milano

GAS 01/285

PROJECT OPTIONS TO MONETIZE STRANDED GAS

William Dickson, Alberto Delbianco, Ogolo Furo, Raffaele Imperato (eni)

GAS 02/22

FLNG PRODUCTION OPTIMISATION THROUGH RELIABILITY, AVAILABILITY & MAINTAINABILITY PREDICTIONS AND MODELING

Olivier Benyessaad, Karina Forte, Karine Villenfin (Bureau Veritas)

GAS 03/132

LNG STORAGE DISTRIBUTION AND REGASIFICATION IN A SINGLE PLANT AN INNOVATIVE CHALLENGE FOR THE ITALIAN MARKET

Giovanni Ugucioni, (D'Appolonia), Alessandro Vescovini (Smart Gas), Alessandro Puppo, Marco Compagnino (D'Appolonia)

GAS 04/257

DEKA PROJECT FROM EVALUATION TO START-UP

Danilo Mele, Yousef Tarek, Jimmi Ballotta, Enrico Crimella (Tecnomare)

■ SAFETY, ENVIRONMENT AND SUSTAINABILITY

SAFE A05/204

LEADERSHIP FOR THE FUTURE: INSTILLING A VISION OF SAFETY AND EFFICIENCY FOR THE FUTURE UTILIZING NEW SERVICES

Ky W. White, Ricardo Ferrero (Baker Hughes)

SAFE A06/223

3D OBSERVER: AUTOMATED TRACKING SYSTEM

Salvatore Di Maio, Alessandro Ferrazzi, Giulia Gestri, Mauro Marengo, Lucia Segui (SPINDOX)

ENV A07/148

APPLICATIONS OF SAFETY MANAGEMENT SOLUTIONS FOR CRUISE VESSELS IN THE OIL&GAS INDUSTRY

Sandro Stefani (Martec spa)

SUST A07/66

FROM TUGS TO FPSOS: GAS AS THE GREEN SOLUTION FOR OFFSHORE APPLICATIONS

Carlo Contessi (Wartsila Italia)

SUST A08/196

AIR QUALITY BIOMONITORING

Cesare Di Michele, Francesca Di Girolamo, Giacomo Collevicchio, Nicola Tavano (Proger), Giovanni Dinelli (Università degli studi di Bologna), Fabrizio Bartolucci, Miko Di Marzio (Proger)



■ FACILITIES AND THEIR LIFE CYCLE ASSESSMENT

FCA A05/217

THE EFFECT OF CORROSION ON LIFE OF THE FIBERGLASS LINE OF FIRE WATER SYSTEMS

Gana Mohamed Lamine (Sonatrach), Gana Kebbouch Salima (M'hamed Bougara University of Boumerdes)

FCA A06/177

NEW INNOVATIVE AND COST EFFECTIVE TECHNOLOGY FOR MULTI-PHASE PUMPING

Syed M. Peeran, N. Beg (Caltec)

■ FLOW ASSURANCE

FLOW A07/198

HYDRATE FORMATION IN GAS DOMINANT SYSTEMS: INFLUENCE OF THE FLOW PATTERN

C. Cassar, A. Sinquin (IFPEN), A. Teixeira (Petrobras), P. Glénat (Total), J.P. Leiningier (GDF Suez)

FLOW A08/231

KEY PARAMETERS AND GUIDELINES FOR LONG TIE BACK PIPELINES DESIGN AND OPERABILITY

Vittorio Faluomi, Simone Sodini, Marco Bonizzi (Tea Sistemi)



WEDNESDAY 25th March
16.30 - 18.10 / Hall 3

■ SEISMICS AND EXPLORATION

SEIS A05/129

ADDING VALUE TO "VINTAGE" RESEARCH GEOPHYSICAL DATASETS

C. Sauli, P. Diviacco, N. Wardell, N.E. Forlin, V. Sauli, A. Busato (OGS)

SEIS A06/21

EXAMPLE OF RE-PROCESSING OF OLD CRUSTAL SEISMIC DATA APPLYING WAVE EQUATION DAMPING

Michela Giustiniani, Umberta Tinivella (Istituto Nazionale di Oceanografia e Geofisica Sperimentale - OGS), Rinaldo Nicolich (Università di Trieste)

EXPL A05/46

ALBANIDES FOLD-AND-THRUST BELTS OVERTHRUST ONTO THE APULIA FORELAND

Engjell Prenjasi, Luan Arapi (Polytechnic University of Tirana), Flamur Gishto, Fasli Fejzullahu (Albpetrol sh.a)

■ UNCONVENTIONAL RESOURCES

UNCON A06/134

BRINGING GEOSCIENCE INTO SHALE DEVELOPMENT

Rob Mayer, Roger Taylor, Isabelle Mahe (CGG)

■ TECHNICAL AND NON TECHNICAL RISK ASSESSMENT

RISK A05/55

PROCESSES AND TOOLS TO EFFECTIVELY LEVERAGE ON LESSONS LEARNED FOR E&P DEVELOPMENT PROJECTS

Marco Piantanida, Elena Cheli, Onest Gheorghisor, Paolo Rossi (eni)



RISK A06/221

COMBINED RISK AND EXERGY ANALYSIS OF AN OIL PLATFORM

Gabriele Cassetti, Michele Aguti, Emanuela Colombo (Politecnico di Milano)

RISK P07/248

IMPROVEMENT OF WATER RISK ANALYSIS: APPLICATION AND COMPARISON OF DIFFERENT TOOLS FOR UPSTREAM

Patrizia Buttini, Carlo Alberto Cova, Raffaella Cultrera (eni)

■ ENERGY EFFICIENCY

EFF A06/136

ENERGY RECOVERY FROM PROCESS OPTIMISATION OF GAS SWEETENING UNIT: STUDIES AND FIELD APPLICATION

Irene Frino, Simone Pellegrini, Sara Scaramellini, Paolo Cerri, Amalia Bianco, Nicola Buongiorno, Silvia Masi (eni)

THURSDAY 26th March
9.00 - 10.40 / Hall 3

■ PRODUCTION OPTIMISATION

PROD A15/79

INTEGRATED PRODUCTION OPTIMIZATION IN PRESENCE OF UNCERTAINTIES: THE IMPORTANCE OF RISK ANALYSIS FOR FIELD POTENTIAL EVALUATION

Sara Scaramellini, Paolo Cerri, Irene Frino, Giorgio Viadana, Simone Pellegrini, Amalia Bianco, Silvia Masi (eni)



PROD A16/125

CHEMICAL STRATEGY "GLOBALIZATION" WHERE WATER MEANS OIL

Elena Braccalenti, Lucilla Del Gaudio, Enrico Radaelli, Nicola Allegro, Davide Lombardi (eni)

PROD A17/263

DYNAP TOOL: THE STRATEGIC SOLUTION FOR TECHNICAL DOWNTIME EVALUATION

Matteo Poldi, Silvio Rocco, Francesco Dresda, Daniela Morra (eni)

■ DEEP AND ULTRADEEP

SUBSEA A05/171

SUBSEA FACILITIES - CHALLENGES AND TECHNOLOGIES

Amr Ewis, Mostafa Arafia (Petrobel), M.M. El Wakil (ENPPI)

SUBSEA A06/212

UTILIZING A VESSEL OF OPPORTUNITY TO PERFORM RLWI TO ACCELERATE OIL RECOVERY

Salvatore Luppina, Brian Stiel (eni)

OFFSTRAT A04/108

OUT OF STRAIGHTNESS SURVEY FOR OFFSHORE PIPELINE INTEGRITY MANAGEMENT

Paolo Cherubini, Lorenzo Maria Bartolini, Stefano Dafne, Paolo Ferrari (Saipem)

DEEP A05/242

MATERIAL SELECTION AND CHALLENGING FOR OFFSHORE LINEPIPE APPLICATION

Gianluca Mannucci, Luigi Di Vito, Andrea Fonzo (CSM)



THURSDAY 26th March
11.00 - 12.40 / Hall 3

■ DRILLING

DRILL A10/226

SETUP OF A HELIUM (HE) AND CARBON DIOXIDE (CO₂) MONITORING SYSTEM

Carla Martinenghi, Daniele Loi, Silvia Terzuoli (eni), Alberto Corsaro, Benedetto Corbo, Pasquale Greco, Alexander Saturni (Baker Hughes)

DRILL A14/52

A NEW DRILL PIPE DESIGN INTRODUCED TO DRILL SAFER AND FASTER IN A SHALE PLAY

Wendell Bassarath, Luc Vanpuymbroeck, Scott Granger (Vallourec)

WELL A15/112

AN INDUSTRIAL SUCCESS IN CONTINUOUS EVOLUTION IMPLEMENTING NEW IDEAS. THE SWIVEL JOINT

Filippo Ballerini, Marco Marangoni, Claudio Quilici (Fast srl)

WELL A18/119

THE SUCCESSFUL APPLICATION OF A HYBRID ROTARY STEERABLE SYSTEM ALLOWED TO DRILL A SIDETRACK WELL WITH A RECORD BUILD-UP OF 13°/30M AND A TANGENT SECTION TO INCREASE THE RESERVOIR EXPOSURE

Giuseppe De Grandis, Alberto Maliardi (eni), Francesco Paoli (Schlumberger)

WELL A20/11

NOVEL FLUID SYSTEM FOR DTS APPLICATIONS

S. Bhamidipati, M.M. Alam, T. Hamza, D. Benoit (Halliburton)



THURSDAY 26th March
14.30 - 16.10 / Hall 3

■ OFFSHORE AND DEEP WATER TECHNOLOGIES

OFF A19/254

VISION TECHNOLOGY CAN HELP PIPELAY

Massimo Bellio, Paolo Catena, Matteo Ducceschi, Emmanuel Huot (Saipem)

OFF A20/87

RELIABLE AND INNOVATIVE APPROACH FOR DECOMMISSIONING STUDY OF OIL & GAS PLANTS

Carlos Henrique Friederichs, Francesco Dibello, Alessandro Garzia, Antonio Tignanelli, Silvia Masi (eni)

OFF A23/9

SOME MINERALOGICAL AND GEOTECHNICAL PROPERTIES OF CARBONATE AND SILICA SANDS IN RELATION TO A NOVEL OFFSHORE MIXED-IN-PLACE PILE

Giovanni Spagnoli (BAUER Maschinen GmbH), Paul Doherty, David Wu, Mark Doherty (University College Dublin)

■ GAS TO MARKET

GAS A06/167

TECHNO-ECONOMIC ANALYSIS OF LNG PRODUCTION USING CRYOGENIC VS CONVENTIONAL TECHNIQUES FOR NATURAL GAS PURIFICATION

Laura A. Pellegrini, Giorgia De Guido, Stefano Langè, Margaret Baccanelli (Politecnico di Milano)



FRIDAY 27th March
9.00 - 10.40 / Hall 3

■ **RESERVOIR AND EOR TECHNOLOGIES**

RES A15/18

PETROPHYSICAL CHARACTERISTICS AND HYDROCARBON POTENTIAL OF CONVENTIONAL AND NON-CONVENTIONAL RESERVOIR ROCKS IN NORTH IDKU OFFSHORE AREA, NILE DELTA, EGYPT

*Kaled Ahmed Khaled (Helwan University),
Samir Ibrahim El Naggar (Mansoura Petroleum Company),
Mahmoud Abdel Rasoul Abdel Fattah Khattab (EGAS)*

RES A17/260

MONITORING OF CHANNEL RESERVOIRS THROUGH INSAR MEASUREMENTS

*Grazia Giani, Adel Mehrabadi, Costanzo Peter, Vera Rocca,
Alessio Rucci, Francesca Verga (Politecnico di Torino)*

RES A18/67

GEOLOGICAL MODELLING WORKFLOW TO SUPPORT WELL PLACEMENT: A CASE STUDY FROM BARENTS SEA

Claudio Pesenti, Amelia Mazzacca, Adelaide Russo, Cristiano Tarchiani (eni)

RES A19/109

ADVANCES IN DETECTION AND INTERPRETATION OF HYDROCARBONS, NON-HYDROCARBONS AND NOBLE GASES WHILE DRILLING

*Corrado Barbieri, Stefano Mazzoni (eni), Gabriele Abbruzzi,
Gionata Ferroni (Geolog)*

RES A20/251

THE SOUND OF HYDROCARBONS & THE FLUIDS TEMPERATURE. AN INTEGRATED PRODUCTION LOGGING APPROACH

Giuseppe Galli, Giuseppe Rizzo, Andrea Leone (eni e&p)



RES P20/292

WATER TRACER CAMPAIGN IN WEST MABRUK FIELD, TO UNDERSTAND FLUID MOVEMENT WITHIN A WATER FLOODING CARBONATE RESERVOIR

Rabia Hunky, Dubaker Elsadwi (NOC)

RES P21/293

USING LOG DATA AND NEURAL NETWORK CAPABILITIES TO PREDICT NON-RECORDED PARAMETERS TO CONSTRUCT MISSING LOG DATA. TWO CASES HISTORY IN SETH FIELD, MEDITERRANEAN SEA, EGYPT

*Hanan Abdel Fattah (eni - leoc Cairo Egypt),
Hazem Mahmoud (Schlumberger Cairo Egypt)*

EOR A05/93

CHEMICAL EOR PROJECT FOR A NORTH AFRICAN GIANT FIELD

*Marianna Nobili, Franco Masserano, Chiara Callegaro, Massimiliano Mattei,
Elena Braccalenti, Paola Albonico, Andrea Dato, Martin Bartosek, Elena Kosourova (eni)*

EOR A06/272

CHARACTERISATION AND RHEOLOGICAL STUDY OF XANTHANPOLYMER FOR ENHANCED OIL RECOVERY (EOR) APPLICATION

*Sofia Ghoumrassi-Barr (Sonatrach), Djamel Aliouche
(M'hamed Bouguerra University)*

ASSOCIATED COMPANIES



HALLIBURTON



Schlumberger



SUPPORTING ASSOCIATIONS



SPECIAL SESSION

OMC 2015 - FRIDAY 27th March 2015

OFFSHORE REGULATIONS AND TECHNOLOGIES: FIVE YEARS AFTER MACONDO

- 9.00** **INTRODUCTION:**
Giovanni De Santi, *EC Director Joint Research Centre Institute for Energy and Transport*
- 9.10** **POST MACONDO REGULATIONS: INITIATIVES IMPLEMENTED IN THE HOSTING COUNTRIES**
Croatia - Alen Leveric, *Deputy Economy Minister*
Cyprus - Toula Onoufriou, *President of Cyprus Hydrocarbons Company*
Italy - Franco Terlizese, *D.G. Ministry of Economic Development*
- 10.10** **THE DIRECTIVE 2013/30/EU ON SAFETY OF OFFSHORE OIL AND GAS OPERATIONS: LEGAL ASPECTS AND IMPLICATIONS**
Massimiliano Grimaldi, Francesca D'Orsi, *Grimaldi Studio Legale, Genova (Italy)*
- 10.30** **DISCUSSION**
- 10.50-11.10** **COFFEE BREAK**
- 11.10** **INTRODUCTION:**
Roberto Ferrario, *Technology Project Manager, Tecnomare*
- 11.20** **OFFSHORE OPERATORS CAPABILITY: ORGANIZATION, MEANS AND PROCEDURES**
Pietro Cavanna, *President Italian Petroleum Industry Association - Hydrocarbon Section*
- 11.40** **CAPPING AND PRESSURE PROTECTION, POST MACONDO #466**
Dennis Lingo, *Director Business Development Trendsetter Engineering*
- 12.00** **EVOLVING OIL SPILL RESPONSE LIMITED TO MEET CHANGING INDUSTRY NEEDS**
Matt Clements, *Subsea Well Intervention Services Director*
- 12.20** **OFFSET INSTALLATION EQUIPMENT FOR EMERGENCY INTERVENTION ON SUBSEA BLOWOUT**
Matteo Scarpa, *Project Manager Saipem*
- DISCUSSION AND CONCLUSIONS**

YOUTH PROGRAMME

THURSDAY 26th March 2015 - ARENA

INDUSTRY AND STUDENTS: GETTING TO KNOW EACH OTHER

11.00 - 12.45
14.00 - 16.10

COMPANY PRESENTATIONS
5 MINUTE SPEECH CONTEST

14.00

Azzurra Agostini, *Politecnico di Milano*

14.06

Serena Bortot, *Università degli Studi di Ferrara*

14.12

Konstantinos Christou, *The University of Aberdeen (UK)*

14.18

Fabio Colantonio, *Università degli Studi "G. d'Annunzio" CH-PE*

14.24

Matteo Compagnoni, *Università degli Studi di Milano*

14.30

Andrea Franceschini, *Università degli Studi di Padova*

14.36

Alessio Fumagalli, *Politecnico di Milano*

14.42

Luca Gambirasio, *Università degli Studi di Bergamo*

14.48

Stefano Langé, *Politecnico di Milano*

14.54

Gianluca Longoni, *Università degli Studi Milano-Bicocca*

15.00

Andrea Maniscalco, *Politecnico di Milano*

15.06

Adrià Moreno Miquel, *Università di Bologna*

15.12

Leili Moghadasi, *Politecnico di Milano*

15.18

Akposibruke Oghenevwogaga, *Politecnico di Torino*

15.24

Elisa Panza, *Università degli Studi della Basilicata*

15.30

Peyman Sabbahfar, *Università di Bologna*

15.36

Michele Starni, *Università di Bologna*

15.42

Concetta Ruocco, *Università degli Studi di Salerno*

15.48

Chukwuemeka Uzukwu, *The University of Aberdeen(UK)*

15.54

Paolo Zanini, *Politecnico di Milano*

16.00

Claudia Zoccarato, *Università degli Studi di Padova*

16.15-17.20

COMPANY PRESENTATIONS

17.30

AWARD CEREMONY - 5 Minute Speech Contest

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WORKSHOPS

■ 16.30/18.00 - ROOM A
WEDNESDAY 25TH MARCH
ASSOMINERARIA



■ 9.00/12.40 - PRESENTATION GALLERY
THURSDAY 26TH MARCH

ADVANCED PROVEN TECHNOLOGIES
INCREASE PRODUCTIVITY QUALITY,
SAFETY AND SECURITY.

Coordinated by ISA Italy Section



9.00 REGISTRATION

9.20 WELCOME AND OPENING
Giulio Molteni, ISA ITALY SECTION PRESIDENT

9.30 DIRECTIONS TO OPTIMIZATION IN THE
MODERN PROCESS CONTROLS SYSTEMS
M. Veronesi - M. Kelder, YOKOGAWA ITALY

9.50 PERVASIVE SENSING: SMART WIRELESS
TECHNOLOGICAL SOLUTION FOR OPTIMAL
PLANT MANAGEMENT
F. Camerin, EMERSON PROCESS MANAGEMENT

10.10 HOW CLOSE ARE YOU TO YOUR PLANT
OPERATING LIMITS?
P. Paolone, PAS, INC.

10.30 EST TECHNOLOGY: AN ADVANCED WAY
TO UPGRADE THE BOTTOM OF THE BARREL
G. Rispoli, ENI SPA

10.50 ONLINE VALIDATION AS A WAY TO
VALIDATE YOUR PROCESS MEASUREMENT
AND ANALYSIS
U. Baggi, BAGGI COMMUNICATION &
MEASUREMENT

11.10 ELECTRIC ACTUATOR'S FIREPROOFING
N. Spreafico, AUMA ITALIANA SRL

11.30 PRESSURE RELIEF VALVES CODES
AND STANDARD
A. Rossi - VALVE GROUP CURTISS - WRIGHT

11.50 Q&A

■ 16.30/18.00 - ROOM D
THURSDAY 26TH MARCH

SUBSEA CONSTRUCTION VESSELS
MARKET, DESIGN, OPERATION.

By ROSETTI MARINO



CHAIRPERSON:

Ognjen Antunac, ROSETTI MARINO
Shipbuilding Sales Manager

ROSETTI SHIPBUILDING YARD -
CAPABILITY OF BUILDING SUBSEA VESSELS
Ognjen Antunac, ROSETTI MARINO
Shipbuilding Sales Manager

MARKET OVERVIEW OF SUBSEA VESSELS
Finn Essendrop, MAERSK BROKERS KS
Senior Broker

SUBSEA CONSTRUCTION VESSELS -
CHALLENGES AND OPPORTUNITIES
IN A VOLATILE MARKET
Yrjar Garsho, ROLLS-ROYCE MARINE AS
Vice President Marketing - Commercial Marine

AHC CRANES - MISSION CRITICAL
EQUIPMENT IN SUBSEA OPERATIONS
Mario Greiner, GREINER MARINE CONSULTING
President

CASE STUDY - PROJECT SPECIFICATION FOR
A VESSEL TO MEET SURF AND ULTRA-DEEP
WATER INSTALLATION REQUIREMENT
Carlo Fusè, SAIPEM
Asset Project Manager

SIDE EVENTS

■ 9.30/15.30
WEDNESDAY 25TH MARCH
B2B AREA



B2B

Organised by Eurosportello-Chamber of Commerce of Ravenna, in cooperation with the Enterprise Europe Network and the SIMPLER consortium.
For info: **Booth 2 G1**.

■ 11.00/13.00
WEDNESDAY 25TH MARCH
PRESENTATION GALLERY

Honeywell

HONEYWELL

Find out about the latest intuitive gas detection products offering unrivalled safety standards and productivity at OMC as Honeywell presents Touchpoint Pro and ConneXt - the intelligent wireless gas detection solution. Touchpoint Pro represents the next evolution in industrial safety control offering total flexibility, intuitive use and the ability to dramatically reduce ongoing costs, whilst ConneXt combines 24/7 wireless portable monitoring, GPS-based man-down tracking and real-time data delivery.

■ 14.30 / 16.00
WEDNESDAY 25TH MARCH
PRESENTATION GALLERY



CORTEM GROUP

Dimensional criteria for the design of 'Ex d' and 'Ex e' junction boxes for Panel Boards addressed to Hazardous Areas

The purpose of the workshop is to focus and analyze the main issues relevant to the correct design of 'Ex d'/'Ex de' electrical panel boards for light, power distribution and starter depending on the hazardous areas classification, the temperature class and the design temperature.

■ 16.30 / 18.00
WEDNESDAY 25TH MARCH
PRESENTATION GALLERY

ENERPAC

ENERPAC

Enerpac's focus is to provide our customers with a comprehensive package of high pressure hydraulic equipment, tools and Integrated solutions – that increase productivity and make work safer and easier to perform.

Join us at OMC 2015 - **Presentation Gallery, 1st floor Hall 6th** - where we will present application cases:

- Heavy lifting solutions for safe, precise control of movement and positioning
- Bolting solutions for joint assembly, controlled tightening, & joint separation
- Subsea asset hydraulic actuation products

For further information please visit www.enerpac.com

■ 14.30/18.00
THURSDAY 26TH MARCH
PRESENTATION GALLERY



FRIDLE

Fridle Group srl in cooperation with Precision Polymer Engineering (PPE) are organizing a series of educational seminars at OMC, covering the latest advances in elastomer sealing technology for demanding oil and gas applications.

The seminars will be delivered by senior members of the PPE technical team and will include question and answer sessions.

SIDE EVENTS

■ 9.00/10.40
FRIDAY 27TH MARCH
PRESENTATION GALLERY
TUV RHEINLAND ITALIA



1. Presentation of the Notified Body and its main activities
2. Description of PED 97/23/CE, Atex 94/9/CE (products) an Atex 99/92/CE activities
3. General description regarding Functional Safety IEC 61508:2010 and IEC 61511:2003
4. Safety Life Cycle: systemic approach
5. Details on SIL: SIL allocation and SIL verification
6. SIL Levels
7. Who is interested in Functional Safety activities
8. Quick examples on these matters

■ 9.00/13.00
FRIDAY 27TH MARCH
SALA VERDE



Annual Meeting AIPE

AIPE is the Italian Association which groups together the main companies operating in the Pressure Equipment industry. Founded on July 2014, the non-profit organization is based on the cooperation among companies, scientific institutions and universities (both national and international) in order to boost technological development through research and innovation. Upon invitation only - contact info@aipe.it, www.aipe.it



■ 11.00/13.00
FRIDAY 27TH MARCH
ARENA
HEMPEL



AvantGuard® - innovative anti-corrosion technology by Hempel.
Rubèn Palomo, Product and Business Development Manager

Hempel introduces AvantGuard®, a new innovative anti-corrosion technology, based on activated zinc and locked into our new range of high performance protective coatings.

AvantGuard® is:

- Redefining protection
 - Redefining durability
 - Redefining productivity
- AvantGuard® reduces the effect of corrosion and offers advanced protection.

INVITED LECTURERS

■ 16.30/18.00 - ARENA
WEDNESDAY 25TH MARCH

OPEN TO GENERAL PUBLIC

FUNDAMENTALS OF MULTIPHASE FLOW IN EOR

Ruben Juanes, MIT, USA

PORE-SCALE IMAGING AND MODELLING: A REVOLUTION IN OUR UNDERSTANDING OF MULTIPHASE FLOW

Martin Blunt, Imperial College London

FLOOR PLAN



| | | | |
|---|---|---|---|
| HALL 1 <ul style="list-style-type: none"> • Exhibition • Cafeteria • Toilets ♀♂ | HALL 3 <ul style="list-style-type: none"> • Arena • Exhibition • Cafeteria • Digital Posters • Toilets ♀♂ | HALL 5 <ul style="list-style-type: none"> • Exhibition | HALL 7 <ul style="list-style-type: none"> • Exhibition |
| HALL 2 <ul style="list-style-type: none"> • Registration • Exhibition | HALL 4 <ul style="list-style-type: none"> • Exhibition • Cafeteria | HALL 6 & CONFERENCE CENTRE <ul style="list-style-type: none"> • Conference Rooms • Speakers Help Desk/Lounge • Exhibition • Restaurant • Toilets ♀♂ | RESTAURANT <ul style="list-style-type: none"> • Delegate Restaurant |
| | | | TECHNICAL SERVICES |
| | | | OUTDOOR EXHIBITS |

OMC TRAVEL AGENCY BUS

OMC SHUTTLE BUS STOP
Circular line to/from parking lots and OMC entrance, running every 10 min.

P **PARKING 1 TO 6**
Free of charge parking lots





RAVENNA BELLA DI SERA

DOMUS DEI TAPPETI DI PIETRA Via Barbiani - www.ravennatica.it

Domus of the Stone Carpets is one of the most important Italian archaeological sites discovered in recent decades. The Domus was opened in October 2002 and received the Bell'Italia award in 2004.

Covering an extensive area three metres below street level in the 18th-century church of Santa Eufemia, the Domus of the Stone Carpets comprises 14 rooms paved with marvellous polychrome mosaics and marbles. The original Byzantine domus was a private residence from the 5th/6th centuries.

Visitors to the Domus of the Stone Carpets can admire splendid mosaic floors decorated with geometric, floral, and figurative elements that are considered unique.



TAMO is a museum dedicated to ancient and contemporary mosaics situated in the splendid monumental complex of San Nicolò, a 14th century church and its charming cloisters.

Among the most relevant works hosted in this picturesque setting, it is worth mentioning the original mosaic floors, which come from the major archaeological sites of the surrounding territory and a collection of contemporary mosaics that illustrate verses from Dante Alighieri's "Divine Comedy".

Via Rondinelli, 2 - www.tamoravenna.it

- **SPECIAL OPENING**
from 10.00 to 23.00
- **GUIDED TOURS**
available at 18.00, 19.00, 20.00
(no booking required)
- **€ 7 single ticket to both sites**
including the guided tour.
- **20% discount at the bookshop**

MAR - CITY ART GALLERY Via Roma, 13 - www.mar.ra.it

- Open till 21.00. At 18.00, 19.00, 20.00 guided visits to the temporary Exhibition "Il Bel Paese" + Permanent Collection (no booking required).
- **TICKETS: 9 euros**
- **CONCESSIONS: 7 euros**
- **UNIVERSITY STUDENTS: 4 euros**

Il Bel Paese - Italy from the Risorgimento to the First World War, from Macchiaioli to Futurists. This exhibition aims to show Italian landscapes, culture and society as it was painted from the Risorgimento to the Great War, the 100th anniversary of which is commemorated in 2015. The show offers a rare glimpse at the daily life of the country through over 100 masterpieces bearing witness to the extraordinary scenic and historical beauty of "how we were" up until the dawn of industrialization.

The show begins with a section on Risorgimento, with paintings by Induno, Fattori, Lega and Guaccimanni. The journey through the Italian peninsula continues with works by some of the period's most important artists like Fontanesi, Caffi, Bianchi, Palizzi, Previati and Segantini: alpine peaks, lake scenes, shorelines and views of picturesque cities such as Venice, Florence, Rome and Naples included in the Grand Tour, also depicted by some leading foreign artists of the second half of the 1800s.

ANNAFIETTA MOSAIC LAB anna@annafietta.it tel. 0039 3427373183 for info and bookings

Make your own mosaic to bring home and learn the basic techniques to cut and paste glass tiles.

- 10.00 - Byzantine Mosaic replica
- 15.00 - Contemporary Mosaic (*jewellery box or small tray*)
- 21.00 - Both courses available

- **€ 45 per course (2 hours),**
material and tools included.
- **10% discount on purchases in the shop**



MAUSOLEO DI GALLA PLACIDIA AND BASILICA DI SAN VITALE Special Opening Till 23.00 (Last Entry 22.45) Via Argentario, 22

TICKET: € 9.50

INCLUDING: Basilica of Sant'Apollinare Nuovo, Battistero Neoniano, Basilica di San Vitale, Mausoleo di Galla Placidia, Museum and Cappella Arcivescovile.



PALAZZO RASPONI DALLE TESTE Piazza Kennedy

Delicatessen market offering products from all over Emilia Romagna region. In cooperation with Apt Romagna.
From 18.00 to 22.00

15 Photographers for Anna Magnani Special opening till 22.00

The collection of photographs consists of 30 panels conveying the great acting skills of Anna Magnani, one of the most intense actresses of the Italian cinema, through a long journey in her filmography.



**Pala De Andre'
Viale Europa, 1
48122 Ravenna
ITALY**

**AN EXTENSIVE SOCIAL PROGRAMME
OFFERS OMC ATTENDEES 3 DAYS OF
CULTURAL EXPERIENCES AND A TASTE
OF THE LOCAL CUISINE!**

As well as being one of the most important oil and gas cities in the Mediterranean Sea, Ravenna is rich of monuments from its glorious imperial past, 8 of which are listed as UNESCO world heritage.

GUIDED TOURS

INFO AND BOOKINGS AT THE ON SITE REGISTRATION DESK

► WEDNESDAY, 26th MARCH

15.00 Welcome to Ravenna

► THURSDAY, 26th MARCH

9.00 Water in, around, under Ravenna

15.00 Waiting for Dante 2021

► FRIDAY, 27th MARCH

9.00 Ravenna and its symbols

Ravenna is at the crossroad between S.S. 16 Adriatica, which runs all along the Adriatic coast, Motorway A14 (from Milan and Bologna) and Highway E45/E7, which gets directly to Rome.

Nearest International Airport:

Bologna G.Marconi (1 hour)

■ 24th MARCH - 9.00

GOLF TOURNAMENT

ADRIATIC GOLF CERVIA

All OMC attendees are invited to run for the first prizes of the OMC 2015 Golf Tournament 18 Holes Stableford formula!

This competition is held at the Adriatic Golf Club of Milano Marittima on the day before the opening and it is definitely the best way to start OMC 2015!

■ 24th MARCH - 19.00

WELCOME COCKTAIL

PALA DE ANDRÈ - *by invitation only*

This is the first social meeting for OMC attendees hosted by the Ravenna Chamber of Commerce: A relaxing evening before the official opening!

■ 25th MARCH - 21.00

GALA DINNER

PALA DE ANDRÈ - *by invitation only*

OMC Gala Dinner offers a unique networking opportunity in a typical Italian atmosphere

■ 26th MARCH - From 18.00

RAVENNA BELLA DI SERA

RAVENNA CITY CENTRE

All day and night opening of a selection of shops, restaurants and monuments to welcome OMC participants. For further info, please contact the tourist information or reception desks.

OMC 2015 IS HELD UNDER THE
HIGH PATRONAGE OF



Ministero dello Sviluppo Economico

Italian Ministry of Economic Development

 Regione Emilia-Romagna

Emilia Romagna Region



Province of Ravenna



Municipality of Ravenna

ESTABLISHED BY



Camera di Commercio
Ravenna



OMC 2015
ATTENDING



GENERAL INFO

OMC working language is English. Simultaneous translation will be provided during the Opening Plenary Session only.

VISITING

Visiting the exhibition is free of charge, the exhibition is open to any interested professionals.

Registration desks are open onsite, during exhibition opening hours.

Under 18 are not admitted within the exhibiting area.

PARKING

Free parking areas for visitors are available at the entrance and in the surrounding areas.

A free shuttle service is available to/from car parks and the main entrance, running every 10 min. from 9.00 to 18.00.

Unattended car parks: OMC declines any responsibility.

CONFERENCE REGISTRATION

Conference participation implies registration fees.

All conference attendees are requested to register and pay the registration fees in full before the event or onsite at the conference registration desk.

BADGE COLLECTION AND ON-SITE REGISTRATIONS

- **TUESDAY 24TH MARCH**
from 9.00 to 18.00
- **WEDNESDAY 25TH MARCH**
from 8.00 to 17.30
- **THURSDAY 26TH MARCH**
from 8.00 to 17.30
- **FRIDAY 27TH MARCH**
from 8.00 to 12.00

OMC OPENING HOURS

- **WEDNESDAY 25TH MARCH**
from 9.00 to 18.00
- **THURSDAY 26TH MARCH**
from 9.00 to 18.00
- **FRIDAY 27TH MARCH**
from 9.00 to 15.00

CONFERENCE PROCEEDINGS:

additional CDs are on sale at OMC reception desk.

After the event they are available at:

shop.omc.it

www.onepetro.org



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With engineering, technologies and project management, on land and at sea, we safely and successfully deliver the best solutions for our clients

TECHNIP ITALY SpA
V.le Castello della Magliana, 68
00148 Rome - Italy
Tel: +39 06 6598 1
Fax: +39 06 6551 402
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