

Joint Event

3rd Edition of International Conference on

Oil, Gas, and
Petroleum Engineering &

19th Edition of Global Conference on

Catalysis, Chemical
Engineering & Technology

19-21 September | Rome, Italy

CPD ACCREDITED



**APPROVED
PROVIDER**

#780643

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 **IN-PERSON:**

NH Villa Carpegna
Via Pio IV, 6, 00165 Roma RM, Italy

 **VIRTUAL:**

Central European Summer
Time (CEST)

DAY 01

Thursday, September 19
(In-person)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-12:10	In-person Keynote Presentations
12:10-20:30	In-person Oral Presentations

DAY 02

Friday, September 20
(In-Person)

08:50-09:00	Opening Note and Introduction
09:00-11:00	In-person Keynote Presentations
11:30-17:00; 17:30-17:50	In-person Oral Presentations
17:00-17:30	In-person Poster Presentations

DAY 03

Saturday, September 21
(Virtual)

	Room 1	Room 2
08:30-09:00	AV Check and Introduction	09:30-10:00 AV Check and Introduction
09:00-09:40; 14:10-14:50	Virtual Keynote Presentations	09:00-09:40; 15:30-16:10 Virtual Keynote Presentations
09:50-14:10; 14:50-17:10	Virtual Oral Presentations	10:10-15:30; 16:10-17:30 Virtual Oral Presentations
09:40-09:50	Virtual Poster Presentations	09:40-10:10 Virtual Poster Presentations

 IN-PERSON

 VIRTUAL

Day 01 Break Timings (In-person)

Coffee Break 11:00-11:30
Lunch Break 13:10-14:00
Coffee Break 16:20-16:50

Day 02 Break Timings (In-person)

Coffee Break 11:00-11:30
Lunch Break 13:10-14:00
Coffee Break 17:00-17:30

Important Note

- The conference follows Central European Summer Time (CEST) for both In-person and Virtual sessions.
- When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country
- In-person presentations will take place in the Leonardo A Room @NH Villa Carpegna and Virtual presentations will take place in Zoom meetings
- Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@LEONARDO A

08:00–08:50 | Registrations

08:50–09:00 | Opening Ceremony and Introduction

Moderator:
Shilpa Nandi, Indian Institute of Technology Guwahati, India

09:00–09:40 In-Person

Irina Giebelhaus
BYK-Chemie GmbH, Germany

Title: Innovative chemical additives as pour point depressants

09:40–10:20 In-Person

Arne Graue
University of Bergen, Norway

Title: Disruptive new CCUS technologies utilizing CO₂ as a commodity in carbon neutral gas production and reduced carbon footprint oil production

10:20–11:00 In-Person

Saim Memon
Sanyou London Pvt Ltd, United Kingdom

Title: Vacuum insulation energy technologies for realistically reducing heating or cooling energy requirements in buildings

Group Photo

11:00–11:30 | Coffee Break @Foyer

11:30–12:10 In-Person

Raymond Li
University of Canberra, Australia

Title: World oil prices: Has China played a role?

ORAL PRESENTATIONS

Chair:

Stanislaw Dzwigaj, Sorbonne University, France

12:10–12:30 In-Person

Laurence Bird
S&P Global, Switzerland

Title: The GHG intensity of North Sea production in 2022

Central European Summer Time (CEST)

12:30–12:50 In-Person

Pablo Daniel Druetta
University of Groningen, Netherlands Title: Nanotechnology enhanced polymer flooding simulator

12:50–13:10 In-Person

Ayman Al Abbad
Saudi Aramco, Saudi Arabia Title: Sulfate removal facility yield enhancement

13:10–14:00 | Lunch @Restaurant

14:00–14:20 In-Person

Igor Kolesnikov
IGSAT (M) Sdn Bhd, Malaysia Title: Advanced comparative studies between MTM–G technology and inline pipeline inspection technology

14:20–14:40 In-Person

Kheireddine Redouane
Norwegian University of Science and Technology (NTNU), Norway Title: Accurate prediction of bottom–hole pressure in vertical wells of Algerian fields using a new hybrid intelligent system based on neural network–fuzzy logic and PSO algorithm

14:40–15:00 In-Person

Louey Tliba
University of Leeds, United Kingdom Title: Enhanced oil recovery using rectangular silica nanoparticles: An efficiency comparison over commercial spherical nanoparticles

15:00–15:20 In-Person

Ahmed Mahgoub
Saudi Aramco, Saudi Arabia Title: Electrical power sources impact on oil & gas buried pipeline integrity

15:20–15:40 In-Person

Ayman Al Abbad
Saudi Aramco, Saudi Arabia Title: Innovation on drilling pad and surface facilities selection to unlock potential for oilfield development in populated area

15:40–16:00 In-Person

Danah Al–Humoud and Mansour Al–Azmi
Kuwait Integrated Petroleum Industries Company, Kuwait Title: Ensuring safe transition: A comprehensive KIPIC HSE plan for commissioning new or modified plants

16:00–16:20 In-Person

Ibrahim Al Siyabi
University of Technology and Applied Sciences– Nizwa, Oman Title: The effect of common impurities on the ift, swelling factor and mmp of CO₂/n–decane systems for CO₂–eor applications

16:20–16:50 | Coffee Break @Foyer

16:50–17:10 In-Person

Intisar Al Busaidi
University of Technology and Applied Sciences, Oman Title: Rheological and geochemical interactions of low salinity polymer on rock–brine interactions

Central European Summer Time (CEST)

17:10–17:30

In-Person

Vishal Dhar

Indian Institute of Technology
Guwahati, India

Title: A compositional model for CO₂ foam-based enhanced oil recovery for northeast Indian oil fields

17:30–17:50

In-Person

Shilpa Nandi

Indian Institute of Technology
Guwahati, India

Title: Microbial Enhanced Oil Recovery (MEOR) utilizing biosurfactant–biopolymer synergies

17:50–18:10

In-Person

Enkhsaruul Byambajav

National University of Mongolia,
Mongolia

Title: Production of light hydrocarbons (C₂–C₄) by hydrogenation of CO₂ using Co–K/γ–Al₂O₃ catalysts with additional metal promoters (Ba, La, Ce) and combined supports (Y₂O₃, TiO₂)

18:10–18:30

In-Person

Moftah Ahmed Dieb

Petroleum Research Center, Libya

Title: An organic investigation of source rocks and oils of the upper cretaceous formations of the Sirt Basin, Libya

18:30–18:50

In-Person

Noreddin Issa A. Mousa

Petroleum Research Center, Libya

Title: The integration between global hydraulic elements approach (petrotyping) and petrography to identify the best Intervals in the fluvial reservoir Sirte Basin Libya

18:50–19:10

In-Person

Anthony Djaba Sackey

Bureau Veritas Group, Marine and
Offshore, Ghana

Title: An assessment of sociotechnical transitioning in marine warranty survey practice amid the COVID–19 pandemic: Case of West Africa’s marine operations

19:10–19:30

In-Person

Mohamed Ali Tarassi

Waha Oil Company, Libya

Title: Permeability reduction threats and the opportunity to enhance well productivity in geothermal tight sandstone reservoir

19:30–19:50

In-Person

Abhishek Prajapati

Indian Institute of Technology
Madras, India

Title: Underground coal gasification: Unlocking the potential of India’s coal resources

19:50–20:10

In-Person

Hamad Alomran and Naser

Alshebeeb

KIPIC (Kuwait Integrated Petroleum
Company), Kuwait

Title: Selective Laser Sintering (SLS) and its applications in the oil industry

20:10–20:30

In-Person

Yousef Alqaheem

Kuwait Institute for Scientific
Research, Kuwait

Title: A comparative study for natural gas treatment by amine process and membrane

End of Day 1

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@LEONARDO A

08:50–09:00 | Day 2 Opening Note and Introduction

Moderator:

Enrico Paris, CREA-IT & DIAEE, Italy

09:00–09:40

In-Person

Stanislaw Dzwigaj
Sorbonne University, France

Title: CO₂-assisted dehydrogenation of propane to propene over Zn-BEA zeolites: Impact of acid-base characteristics on catalytic performance

09:40–10:20

In-Person

Dai-Yeun Jeong
Jeju National University, Korea

Title: How to analyze the effectiveness of climate change policy

10:20–11:00

In-Person

Sergey Suchkov
The Russian University of Medicine,
Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up through biodesign-inspired biotech-driven translational applications and upgraded business marketing to secure the human healthcare, wellness and biosafety

11:00–11:30 | Coffee Break @Foyer

ORAL PRESENTATIONS

Chairs:

Dai Yeun Jeong, Jeju National University, Korea

11:30–11:50

In-Person

Abul Kasem Fazlur Rahman
University of Oklahoma, United States

Title: Transition metal mediated activation of carbon dioxide

11:50–12:10

In-Person

Enrico Paris
CREA-IT & DIAEE, Italy

Title: Enhancing syngas quality from biomass gasification using an iron-based splitting reactor

12:10–12:30

In-Person

Lukas Pluska
Exazyme GmbH, Germany

Title: Protein regression models as cornerstone of AI-Guided protein evolution

Central European Summer Time (CEST)

12:30–12:50

In-Person

Doowook Kim

Korea Institute of Energy Research,
Korea

Title: Parametric study on steam reforming of methane to syngas with Ru/Al₂O₃ catalyst in an annular reactor

12:50–13:10

In-Person

Arzu Akif

Y.H.Mammadaliyev Institute of
Petrochemical Processes of the
Ministry of Science and Education,
Azerbaijan

Title: Oxidative dehydrogenation of 4-Vinylcyclohexene to styrene in a two section reactor on metal-containing zeolites

13:10–14:00 | Lunch @Restaurant

14:00–14:20

In-Person

Sergey Suchkov

The Russian University of Medicine,
Russia

Title: Antibody–proteases as unique protein biomarkers, potential targets and translational tools of the next step generation to be applied for biotech–driven biotech and personalized and precision medical practice

14:20–14:40

In-Person

Salim Daccache

Université de Toulouse, France

Title: Magnetically induced heterogeneous catalysis for energy storage applications: Methanation of CO₂

14:40–15:00

In-Person

Janah Shaya

Khalifa University of Science and
Technology, United Arab Emirates

Title: 1,3,5-Triethynylbenzene–based conjugated microporous polymers: Green mechanochemical synthesis and energy storage applications

15:00–15:20

In-Person

Beatrice Vincenti

Sapienza University of Rome, Italy

Title: Syngas cleaning by chemical looping conversion of tars from hazelnut shells pyrolysis and gasification

15:20–15:40

In-Person

Ji-Ren, Zheng

National Sun Yat-sen University,
Taiwan

Title: Photocatalytic oxidation of elemental mercury by hydrophobic reduced graphene oxide modified CeO₂/TiO₂

15:40–16:00

In-Person

Ieva Kiminaite

Lithuanian Energy Institute, Lithuania

Title: Upcycling of plastic to carbon black and H₂–rich gas

16:00–16:20

In-Person

Orchidea Maria Lecian

Sapienza University of Rome, Italy

Title: Markov chain of the k-Ras4B dynamics and new pertinent markov-state model

16:20–16:40

In-Person

Kai Hong Luo

Tsinghua University, China

Title: Efficient catalytic conversion of small molecules for synthetic fuels and chemicals

16:40–17:00

In-Person

Fatemehsadat Mirmohammadmakki
Shahid Beheshti University of Medical
Sciences, Iran

Title: Comparative assessment of biosorption efficiency of two agricultural waste for heavy metal removal

17:00–17:30 | Coffee Break @Foyer

(17:00-17:30) POSTER PRESENTATIONS

PP01

In-Person

Tim Lenz
Technical University of Munich,
Germany

Title: Perfectly isotactic polypropylene upon in situ activation of ultrarigid meso metallocenes

PP02

In-Person

Lukas Eylert
Technical University of Munich,
Germany

Title: Catalytically programmed functional nano-objects using artificial intelligence

PP03

In-Person

Iliham Mokbel
Université Claude Bernard Lyon1,
France

Title: Phase equilibria (VLE and LLE) of platform molecules for the optimization of separation processes

PP04

In-Person

Bashar Al-Enezi
Kuwait Oil Company, Kuwait

Title: A novel subsurface description for jurassic marrat formation for improved reservoir management in greater Burgan field, Kuwait

PP05

In-Person

Salim Almutairi
Kuwait Oil Company, Kuwait

Title: Infill drilling in the largest clastic reservoir_a challenge

PP06

In-Person

Laís Bubach Carvalho Simão
Federal University of Rio de Janeiro,
Brazil

Title: Analysis of operational risk management of health and safety criteria within a multi-criteria analysis methodology for a subsea equipment decommissioning project on an oil and gas production platform

KEYNOTE PRESENTATIONS

CEST Local Timings

@VIRTUAL ROOM 01

08:30–09:00 | AV Check

Moderator:
Pieter Samyn, SIRRIIS—Department Innovations in Circular Economy, Belgium

09:00–09:40 15:00–15:40

Shunli Wang
Smart Energy Storage Institute, China
Title: Core state parameter monitoring of high-reliability smart energy storage systems

POSTER PRESENTATION

09:40–09:50 15:40–15:50

Xia Li
Zhengzhou University, China
Title: Upgrading of biomass-derived platform compound 5-hydroxymethylfurfural to high-value chemicals: An environment-friendly corrosion inhibitor

ORAL PRESENTATIONS

09:50–10:10 15:50–16:10

Xia Li
Zhengzhou University, China
Title: Enantioselective total syntheses of mulberry diels-alder type natural products

10:10–10:30 16:10–16:30

Pangkuan Chen
Beijing Institute of Technology, China
Title: π -Conjugated luminescent chiral macrocycles and the open-shell radical cations

10:30–10:50 16:30–16:50

Pengju Wu
School of Energy and Power Engineering Jiangsu University, China
Title: Current research progress in heteroatom-doped carbon-based materials for adsorption of pollutants in gas stream

10:50–11:10 11:50–12:10

Osman Adiguzel
Firat University, Turkey
Title: Shape reversibility and functional characterization of shape memory alloys

11:10–11:30 14:40–15:00

Ashanendu Mandal
University of Calcutta, India
Title: Phenol removal from wastewater using innovative biological and industrial wastes as adsorbents

11:30–11:50 15:00–15:20

Suresh C Ameta
Pahar University, India
Title: Photocatalysis: An emerging green chemical pathway

11:50–12:10 11:50–12:10

Pieter SamynSIRRIS—Department Innovations in
Circular Economy, Belgium

Title: Nanocellulose coatings for photocatalytic and photosynthetic properties

12:10–12:30 15:40–16:00

Tokeer Ahmad

Jamia Millia Islamia India

Title: Designing advanced heterostructured nanocatalysts for scalable H₂ production

12:30–12:50 16:00–16:20

Ram Sambhar ShuklaCSIR—Central Salt and Marine
Chemicals Research Institute, India

Title: Rhodium–hexagonal mesoporous silica based effective heterogeneous catalyst for hydroformylation of vinyl esters

12:50–13:10 17:50–18:10

Vladislav SadykovBoreskov Institute of Catalysis SB
RAS, Russia

Title: Structured catalysts of biofuels transformation into syngas: Design and performance

13:10–13:30 14:10–14:30

Igor V ShevchenkoM.P. Semenenko Institute of
Geochemistry Mineralogy and Ore
Formation, Ukraine

Title: Influence of the sun on the day and night sides of the earth. Explanation of the 'Storm glass' and 'Water memory' phenomena

13:30–13:50 14:30–14:50

Elena MilyuteInternational Research Group
LITAVEM–3, Lithuania

Title: Studying the dynamics of the structure of a mollusk shell using the example of a bivalent ellipsoidal vortex

13:50–14:10 17:20–17:40

Rajesh Kumar

B.R.A. Bihar University, India

Title: Lipase mediated synthesis of modified bicyclic nucleosides

KEYNOTE PRESENTATIONS

14:10–14:50 09:10–09:50

Marta Irene LitterUniversity of General San Martin,
Argentina

Title: Use of iron nanomaterials for the treatment of emergent contaminants in water

ORAL PRESENTATIONS

14:50–15:10 18:20–18:40

Reena Saxena

Suresh Gyan Vihar University, India

Title: Structural and functional evaluation of biochar produced from Spent Coffee Grounds (SCG) for agnps removal from industrial effluent

15:10–15:30 08:10–08:30

Orlando Armando Elguera Ysnaga
National University of Engineering,
Peru

Title: Review of research topics for scaling-up of sonochemical reactors (Sono-Reactors)

15:30–15:50 19:00–19:20

V. K. Jain
Amity University Uttar Pradesh,
Nodia, India

Title: Fabrication of heterojunctions on silicon nanowires on Si Chip, Cds/p-Si for electricity generation from moisture and n-SnO₂/p-Si for UV detection

15:50–16:10 19:20–19:40

Shashikumar K Paknikar
Nishant Aromas Pvt. Ltd, India

Title: Serendipitous biomimetic synthesis of (+)-cymbodiacetal

16:10–16:30 19:40–20:00

Shally Gupta
Indian Institute of Technology, India

Title: Sustainable recycling of valuable materials from lithium-ion battery waste via hydrometallurgical process

16:30–16:50 16:30–16:50

Xiao Zhang
Cracow University of Technology,
Poland

Title: Construction of crystalline graphitic carbon nitride composites: Photocatalytic energy conversion

16:50–17:10 16:50–17:10

Cristina Lavorato
University of Calabria, Italy

Title: Photocatalytic degradation of recalcitrant pollutants in batch and membrane reactors

DAY 3

Virtual

SEPTEMBER 21, 2024

Saturday

KEYNOTE PRESENTATIONS

CEST

Local Timings

@VIRTUAL ROOM 02

09:30–10:00 | AV Check

Moderator:
Waewvatee Pramoon, PTT Exploration and Production, Thailand

09:00–09:40

15:00–15:40

Yuanhua Lin
Southwest Petroleum University,
China

Title: Mechanical damage behavior and constitutive model of cement sheath under ultra-high temperature thermal cycling

POSTER PRESENTATIONS

09:40–09:50

15:40–15:50

Johnson Joachim Kasali
China University of Petroleum
(Beijing), China

Title: Integrating deep learning for accurate pore pressure prediction in fractured conglomerate formation of the Junggar Basin

09:50–10:00

14:50–15:00

**Waewvatee Pramoon and
Ronachai Fuangfoong**
PTT Exploration and Production,
Thailand

Title: Are there the same accident? Quality management for accident investigation

10:00–10:10

13:30–13:40

Anshuman Agrawal
Minimac Systems Pvt. Ltd., India

Title: Enabling net zero industrial targets through decarbonizing lubricant life-cycle

ORAL PRESENTATIONS

10:10–10:30

13:40–14:00

Dhiraj Gondaliya
Nayara Energy Limited, India

Title: The novel process for separation of water and sediments from ETP slop oil

10:30–10:50

14:00–14:20

Vikram Mahamiya
The Abdus Salam International Centre
for Theoretical Physics, Italy

Title: Interplay between van der Waals, Kubas, and chemisorption process for hydrogen storage: A case of Sc-Functionalized BeN_4

10:50–11:10

14:20–14:40

Santanu Purohit
University of Petroleum & Energy
Studies, India

Title: Consumer experience v/s expectations in the digital era in downstream oil & gas industry in India

11:10–11:30

12:10–12:30

Shruti MalikKaunas University of Technology,
LithuaniaTitle: Geochemical analysis for safe implementation of CO₂ storage in Lithuanian reservoirs

11:30–11:50

15:00–15:20

Sasmita ChandManipal Academy of Higher
Education, India

Title: Towards sustainable textile and apparel waste management: A comprehensive review

11:50–12:10

11:50–12:10

Eng Pawel GrabowskiWarsaw University of Technology,
Poland

Title: Anisidine number as a determinant of aging of ester biofuels

12:10–12:30

15:40–16:00

Arun Kumar Shandilya

Dr.H.S.G.University Sagar, India

Title: Helium in rocks of vindhyan super group around Sagar, South Ganga Basin, Bundelkhand Begion M.P. India

12:30–12:50

16:00–16:20

Santanu PurohitUniversity of Petroleum & Energy
Studies, India

Title: Digital transformation—Usage of technologies for efficiency and effectivity—A fuel retail success story

12:50–13:10

16:20–16:40

Sathish SivasubaramanianHindustan Institute of Technology and
Science, India

Title: Experimental investigation and parametric optimization with RSM and ANN for floating drum anaerobic bio digester

13:10–13:30

14:10–14:30

Emin Borlu

Erciyes University, Turkey

Title: Experimental investigation of emission and performance values of methanol and gasoline mixtures in an RCCI diesel engine

13:30–13:50

14:30–14:50

Emir Borovac

Istanbul Technical University, Turkey

Title: Thermal maturity and hydrocarbon generation histories of the Silurian Tannezuft Shale formation, Ghadames Basin, Northwestern Libya

13:50–14:10

14:50–15:10

Ceren Sevimli

Istanbul Technical University, Turkey

Title: An assessment of unconventional hydrocarbon potential of the Silurian Dadaş shales in Diyarbakır Basin, Türkiye

14:10–14:30

15:10–15:30

Ramy Mohamed Fahmy

Rashid Petroleum Company, Egypt

Title: Novel approach to detect AVO anomalies supported by direct hydrocarbon indicators in the deep miocene of the offshore mediterranean, Egypt

14:30–14:50

20:30–20:50

Khosraw UbaidyChina University of Petroleum
(Beijing), China

Title: Simulation of fluid flow in the enhanced geothermal system and coupled thermal hydro-mechanical modeling

14:50–15:10

07:50–08:10

Orlando Armando Elguera YsnagaNational University of Engineering,
Peru

Title: Strategies in petrochemical processes part-I: Case of peruvian oil

15:10–15:30

09:10–09:30

Michael RadiconeHeat Transfer Research, Inc, United
States

Title: Nanobubble vapor infusion for heat exchanger fouling prevention

KEYNOTE PRESENTATIONS

15:30–16:10

09:30–10:10

John W Sheffield

Purdue University, United States

Title: Role of green hydrogen in CO₂ emission mitigation in oil refining

ORAL PRESENTATIONS

16:10–16:30

17:10–17:30

Saad Khalid AISahlawi

Kuwait Oil Company, Kuwait

Title: Field implementation and experimental validation of eMCM

16:30–16:50

11:30–11:50

Nicolas Alexandros Papadopoulos

CERTI Foundation, Brazil

Title: Standardized practices and digital optimization: Enhancing subsea asset management with OpenBIM and IFC

16:50–17:10

22:50–23:10

Mohamad Shahrustami B Mohd**Nadzeri**

PETRONAS, Malaysia

Title: Flexible pipelines risk based integrity management planning

17:10–17:30

23:10–23:30

Mohamad Shahrustami B Mohd**Nadzeri**


PETRONAS, Malaysia

Title: Magnetic Gradient Tomography Method (MTM-G), Next MTM generation of assessing the integrity of difficult-to-inspect pipelines

END NOTE

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NOTES



*We wish to meet you again at our
upcoming events*

20th Edition of the Global Conference on
Catalysis, Chemical Engineering, and Technology

March 13-15, 2025 | Rome, Italy and Online

<https://catalysis.magnusconferences.com/>

4th Edition of International Conference on
Oil, Gas, and Petroleum Engineering

September 11-13, 2025 | Valencia, Spain and Online

<https://oil-gas.magnusconferences.com/>

Questions? Contact

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Email: secretary@magnusconference.com

