



The Nippon Foundation International Seminar on Offshore Development

Date & Time

Sep 28, 2023

 **1:00 pm - 3:45 pm (JST)**
 **0:00 am - 2:45 am (EDT)**
 **6:00 am - 8:45 am (CEST)**

Location

2nd Floor Conference Room, The Nippon Foundation Bldg.
1-2-2 Akasaka, Minato-ku, Tokyo (Zoom webinar)

Hosted by The Nippon Foundation **Admission** Free
Languages Japanese, English (English-Japanese simultaneous interpretation), Closed captioning (Japanese)
Capacity Onsite: 50 (first-come-first-served basis), Online: 200 participants

About the Seminar

As a contribution to achieve carbon neutrality by 2050 and acceleration toward developing new technologies, the Nippon Foundation has been implementing joint research and development programs with DeepStar (USA), a consortium for offshore technology development, and with an industry-driven cluster GCE NODE and research institute NORCE (Norway). In FY2023, 17 projects are in progress with DeepStar and Norway. In this seminar, the companies participating in these programs will present their progress.

What is DeepStar?

DeepStar is an international offshore technology development consortium comprising “upstream” companies (*1) that are engaged in the exploration, development, and production of offshore oil and natural gas around the world, and companies, universities, research institutes, and other organizations that provide products and services to these upstream companies.



*1: DeepStar core member companies – Chevron (USA), CPC (Taiwan), Equinor (Norway), ExxonMobil (USA), Hess (USA), INPEX (Japan), Oxy (USA), Petrobras (Brazil), Shell (UK), and TotalEnergies (France)

What is GCE NODE and NORCE?

- ▶ **GCE NODE:** An industry-driven cluster for ocean technologies, based in Southern Norway. It comprises of over 120 participating companies.
- ▶ **NORCE:** An independent research institute that conducts research for both public and private sectors to facilitate informed and sustainable choices for the future.

GCE | NODE | GLOBAL CENTRE OF EXPERTISE



Register

Registration deadline: 12:00 pm, Sep 27 (JST)
<https://req.qubo.jp/oceaninnovation/form/0928english>

Register here



Contact

Ocean and Maritime Division, The Nippon Foundation
 Email: ocean_innovator@ps.nippon-foundation.or.jp

Speaker biographies



Shakir Shamshy

DeepStar Director

Shakir Shamshy is currently DeepStar Director in Chevron and chairman of the Board of DeepStar. In his 29 years of career in the energy industry, he led several oil field development projects, venture capital technology investments, technology transfer, and managed technology deployment.



Nabil Belbachir

Research Director DARWIN, NORCE

Dr. Nabil Belbachir is a Research Director at NORCE leading the DARWIN group dealing with AI, Vision and Robotics for Automation and Autonomous Systems. He is the technical coordinator of the collaboration between NORCE and Yokogawa Electric Corporation supported by the Nippon Foundation.

Program

13:00-13:15

Greetings

Yohei Sasakawa Chairman, The Nippon Foundation

1st Part: The Nippon Foundation - DeepStar Joint Research & Development Program

13:15-13:55

- DeepStar briefing and updates
 - Chevron Deepwater Strategy and the Energy Transition
- Shakir Shamshy** DeepStar Director

13:55-15:05

Presentation on ongoing projects under NF- DeepStar joint R&D Program

- Aonbarr Inc.**
Carbon Dioxide & Greenhouse Gas Capture using Metal Organic Frameworks (MOFs)
- Yokogawa Electric Corporation**
PoC of YRSP (Yokogawa Robotics Services Platform) and EX ROVR (explosion proof autonomous inspection robot developed by Mitsubishi)
- Seisgadget, Ltd.**
Subsea Well Alert Autonomous Monitoring System for Abandoned & Orphaned Well/
Rigid-Jumper Vibration
- JFE Steel Corporation**
Line Pipe Materials Performance for Hydrogen Transportation
- SPACE ENTERTAINMENT LABORATORY inc.**
Data Collection and Simulation Technology Development using Amphibious Drones

15:05-15:15

Break (10 minutes)

2nd Part: The Nippon Foundation - Norway Joint Research & Development Program

15:15-15:25

NF-Norway Joint R&D Project

Nabil Belbachir Research Director DARWIN, NORCE

15:25-15:35

Presentation on ongoing projects under NF- Norway joint R&D Project

Yokogawa Electric Corporation

Development of a System to Monitor Toxic Gases in Offshore Production Facilities with Hazard Maps

15:35-15:45

Q & A session (10 minutes)

Please scan this QR code to fill out the survey. THANK YOU!

