

PROGRAM - BRU21 Conference 2017 – Tuesday 30 May

In cooperation with the Ministry of Petroleum and Energy - “Technology of the future for O&G”

Conference Chair: Arild N. Nystad (BRU21 Coordinator)

08:00-09:00 Registration & mingling with light breakfast, coffee/tea

Part 1: Policy

09:00 Welcome by Johan Einar Hustad, Professor & Director NTNU Energy

09:10 “BRU21 Project” by Ingvald Strømmen, Professor & Dean of the Faculty of Engineering

09:20 “Importance of R&D for the future of O&G”, Ingvil Smines Tybring-Gjedde, State Secretary, Ministry of Petroleum and Energy

09:50 «Global Energy Outlook», Mr. Tim Gould, Head of Division Energy Supply Outlook, Directorate of Sustainability, Technology and Outlooks, International Energy Agency (IEA)

10:20 Coffee/Tea

10:40 “BRU21 & The way forward”, Egil Tjøland, Department Head, Department of Geoscience and Petroleum (Introduction to the Panel discussion)

11:00 Panel discussion – “The way forward”

- ❖ Tim Gould, Head of Division Energy Supply Outlook, IEA
- ❖ Roy Ruså, Director of Technology (CTO), Petoro
- ❖ Erik Sverre Jenssen, Head of Field Development & Deputy MD, Lundin Norway
- ❖ Kjell Eriksson, Manager of the O&G activities in Norway, DNV GL
- ❖ Johan Einar Hustad, Professor and Director NTNU Energy
- ❖ Olav Bolland, Professor/Head of Department/Energy & Process Engineering (Dean 1/8)
- ❖ Torbjørn Svendsen, Professor and Director NTNU Digital
- ❖ Moderators: Egil Tjøland and Arild N. Nystad

12:30-13:15 Lunch & mingling – buffet in the cantina

Part II: Technology Work Shop – The way forward

13:30 - 16:00 BRU21 Conference Part II – Technology and Research cooperation

- ❖ “The way forward”, by Roy Ruså, CTO, Petoro
- ❖ “The way forward”, by Egil Tjøland & BRU21 team
- ❖ Discussion: Industry need and how academy can deliver – next step collaboration

Part III: Social

17:00 – 19:00 Dinner and social meeting at Scandic Lerkendal (within walking distance)

19:00 – 23:00 Social evening at Utsikten Lounge at the 21st Floor at Scandic Lerkendal

Part IV: Wednesday 31 May: The digital world

08:00 – 09:00 Coffee/tea and fruit

09:00 – 12:00 “Digital Walk Around” at NTNU: Cyber lab/ICT lab/Petroleum lab
Guide: Alexey Pavlov, Professor in Petroleum Cybernetics

12:00 – 13:00 Lunch & discussion at Department of Geoscience and Petroleum

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08:00 – 09:00 Coffee/Tea and fruit

Part IV: Digital Walk Around

Organizer: Alexey Pavlov, Professor in Petroleum Cybernetics

Introductory Part in EL5 Auditorium

09:00 - 09:10 Introduction to Digital Walk Around, Alexey Pavlov, Professor Petroleum Cybernetics

09:10 - 09:25 NTNU digital, Torbjørn Svendsen, Professor and Director NTNU Digital

09:25 - 09:40 Introduction to Cybernetics and Petroleum activities related to the visited labs, Alexey Pavlov

Visit to Cybernetics and AI labs

Two groups are formed: ca 20+20 people

09:45 - 10:15 Group 1: Visits the Cybernetics lab

Group 2: Visits the AI lab

Stefano Bertelli presents the Cybernetics labs

Herri Ramampiaro presents the AI lab.

After that both groups meet in front of EL5 to exchange

10:15-10:45 Group 2 visits the Cybernetics lab

Group 1 visits the AI lab

Stefano Bertelli presents the Cybernetics labs

Herri Ramampiaro presents the AI lab.

After that both groups meet in front of EL5 for relocation to IGP

Visit to IGP labs (Over to Petroleum)

11:00-11:20 Presentation of IGP digital activities in Auditorium P12

Alexey Pavlov – Introduction

Mathias Bellout – Optimization

Dicky Harishidayat and Oras Mkinga – Digitalization of outcrops

11:20-11:40 Group 1 goes to the Test Hall

Group 2 goes to the Pore lab

Georg Voss and Hamid Khanamiri will present the Pore Lab

11:40-12:00 Group 2 goes to the Test Hall

Group 1 goes to the Pore lab

Lunch

12:00 - 13:00 Lunch at IGP Canteen

13:00 Departure of the conference guests