

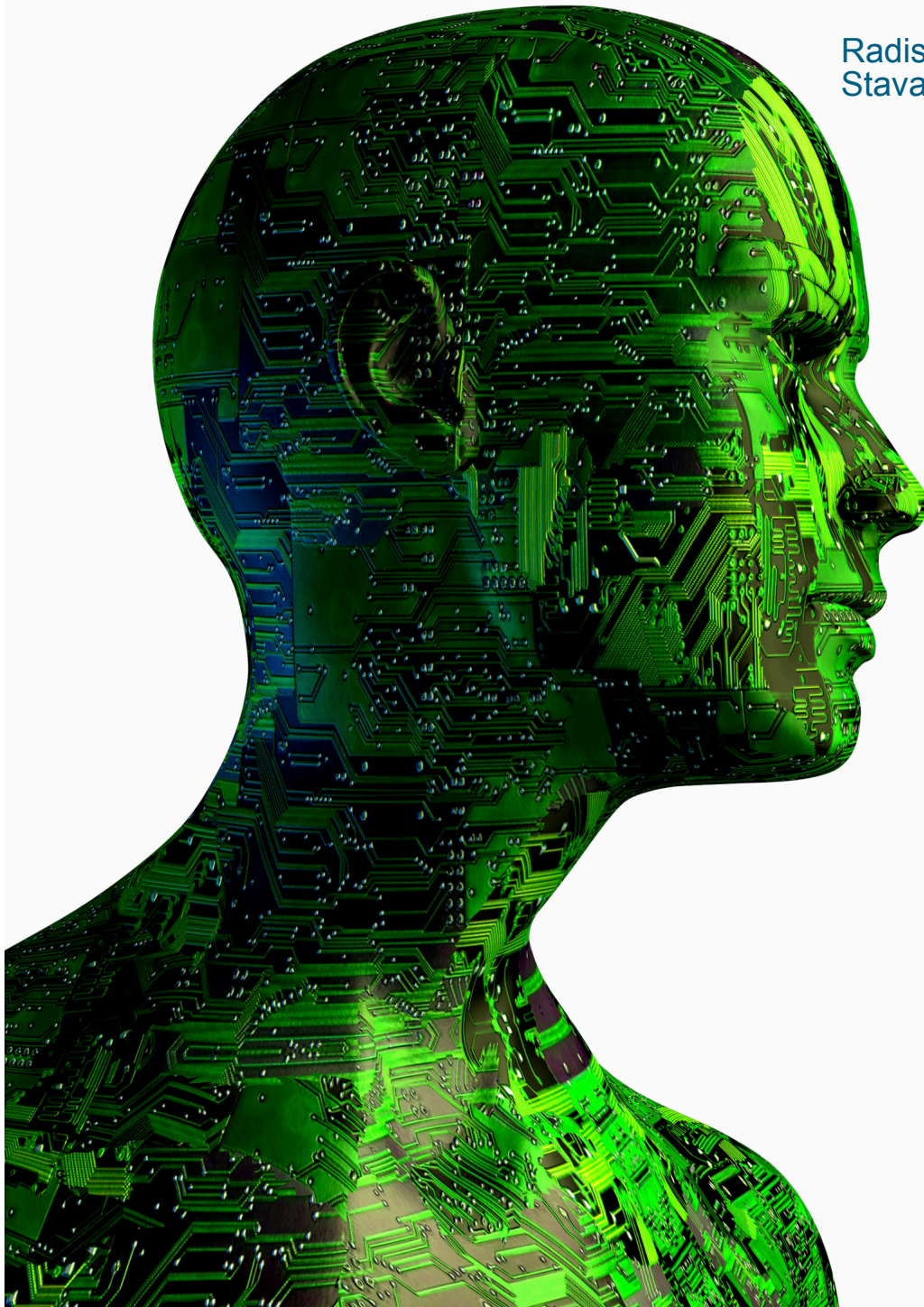


AUTONOMY IN IO

Safer operations through autonomy

9 - 10 March 2011

Radisson BLU Atlantic Hotel
Stavanger



The oil and gas sector must increasingly develop and operate existing and new fields more efficiently and safer, both over long distances, and in increasingly more extreme and sensitive areas. For example in very deep waters and the Northern Regions.

Autonomy and automation throughout the full value chain are key to making this possible. The conference will, with focus on IO, bring together oil and gas companies, the authorities, technology providers, and the research community to define the need for and availability of autonomous systems today, and into the future.

The goal of the conference is to continue to be an active forum for discussion of future needs within IO for autonomous systems, and a place for bringing together the right people for future collaborations.

9. March

09.00 Registration and coffee

10.00 Opening and welcome
Lars Annfinn Ekornsæter, NFA

Section 1: Autonomy and integrated operations Chair: Aksel Andreas Transeth

10.10 Collaboration projects with NASA. Where are we, and what exciting opportunities lie ahead
Knut Øxnevad, Simtano

10.40 How can autonomy make drilling operations safer? What can we learn from accidents and adverse events?
Hilde-Karin Østnes, Petroleumstilsynet
Kjell Marius Auflem, Petroleumstilsynet

11.10 Break

11.40 Autonomy and leadership in integrated operations - experiences from the armed forces
Per Erik Solli, Norwegian Battlelab and Experimentation (NOBLE)

12.10 Unmanned Aerial Systems (UAS): Lessons learned relevant for the oil and gas industry
Andrew Lucas, AOS Group

12.40 Lunch

Section 2: Drilling and well

Chair: Aina Berg

13.40 IO-Centre: Autonomy, technology and work processes
Bjarne Foss, Department of Engineering Cybernetics/IO-Centre, NTNU

14.10 Autonomy in drilling simulator for enhanced safety and efficiency
Svein Hovland,
SINTEF Petroleumsforskning AS

14.40 Break

15.10 Intelligent drilling
Glenn O. Kaasa, Statoil

15.40 Automation of subsurface drilling robots
Erling Woods, Badger Explorer ASA

16.10 Automation of the Analysis of Downhole Conditions in real time: Testresults from a complex drilling operation in the North Sea
Eric Cayeux, IRIS

17.00 We invite you to join us at a visit to Ullrigg. Ullrigg is an important element of IRIS R&D activity in drilling and well. See also <http://www.iris.no/internet/ullrigg.nsf>
There is a limited number of guests allowed at this visit.

19.30 Dinner at the hotel

Thanks to our sponsors!



KONGSBERG



10. March

Section 3: Subsea

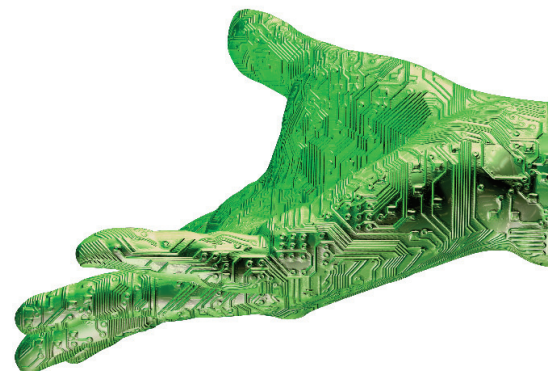
Chair: Sigurd Moe

- 09.00 The use of visualization and user interface technology for the gaming industry
Alexandre Van Damme, Eatops
- 09.30 Decision support for proactive maintenance of subsea production systems
Ingvar Koppervik, FMC Technologies
- 10.00 Break
- 10.30 Real-time monitoring of underwater production systems
Gjermund Weisz, SPT Group Norway AS
- 11.00 Advances in AUV autonomy and implications for inspection operations
Bjørn Jalving, Kongsberg Maritime Subsea
- 11.30 Lunch
- 12.30 Statoilproject
Environmental monitoring in the North
Geir Gramvik, Statoil

Section 4: Topside

Chair: Knut Øxnevad

- 13.00 Remote automation in harsh environments
Charlotte Skourup, ABB
- 13.30 Break
- 14.00 Unmanned platforms
Tony Edwards, Stepchange Global
- 14.30 Autonomous drill floor
Roald Valen, Seabed Rig
- 15.00 Summary



PRACTICAL INFORMATION

Time and place for the conference:

9 - 10 March 2011, Radisson BLU Atlantic hotel
Stavanger

Language:

Each individual speaker decide whether they wish to give their lecture in Norwegian or in English.

Registration:

www.nfaplassen.no, phone +47 90 90 92 94
or email nfa@nfaplassen.no within 9. february 2011.

Withdrawal regulations:

Cancellation after registration deadline will be charged with a fee. NOK 1.000,-. Cancellation after 1. march will be charged with the full fee. Cancellation must be made in writing to be valid.

Cost:

NFA business member	kr 5.950,-
NFA personal member	kr 6.250,-
NFA student member	kr 500,-*
Non member	kr 7.500,-

* ekskl. lunch

Exhibition less than 2 meters, inclusive one person:

NFA business member	kr 9.100,-
Non member	kr 11.600,-

Exhibition less than 3,5 meters, inclusive one person:

NFA business member	kr 11.000,-
Non member	kr 13.000,-

Program comitee:

Knut Øxnevad, Simtano
Aina Berg, IRIS AS
Aksel Transeth, SINTEF
Gunleiv Skofteland, Statoil
Sigurd Moe, FMC Technology
Lars Annfinn Ekornsæter, NFA
Brith Sandell, NFA

Hotel:

We have reserved some rooms at
Radisson Blu Atlantic Hotel, which also is the
conference venue. For booking call 02525 and give
reference: FA0903
<http://www.radissonblu.no/atlantichotell-stavanger>

Dinner 9 March:

NFA arranges a dinner at the restaurant Antique on the
evening of March 9. This costs NOK 750,-.
Vi hope you will attend this social gatering. Just tell us by
using our email nfa@nfaplassen.no

Membership per year NOK 3.500,- for businesses
NOK 300,- for single persons (private) and free of charge
for students.

NFA is a non-profit association of businesses, institutions
and individuals. NFA is working to increase the
competence and competitiveness in Norwegian industry.



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