

39th International

North Sea Flow Measurement Workshop

CALL FOR ABSTRACTS

- The world premier event for flow measurement of oil and gas
- Papers covering the latest technology developments
- Exhibitors showing their latest cutting edge technologies

TØNSBERG, NORWAY

26. – 29. October 2021

CONFERENCE

Tekna.no

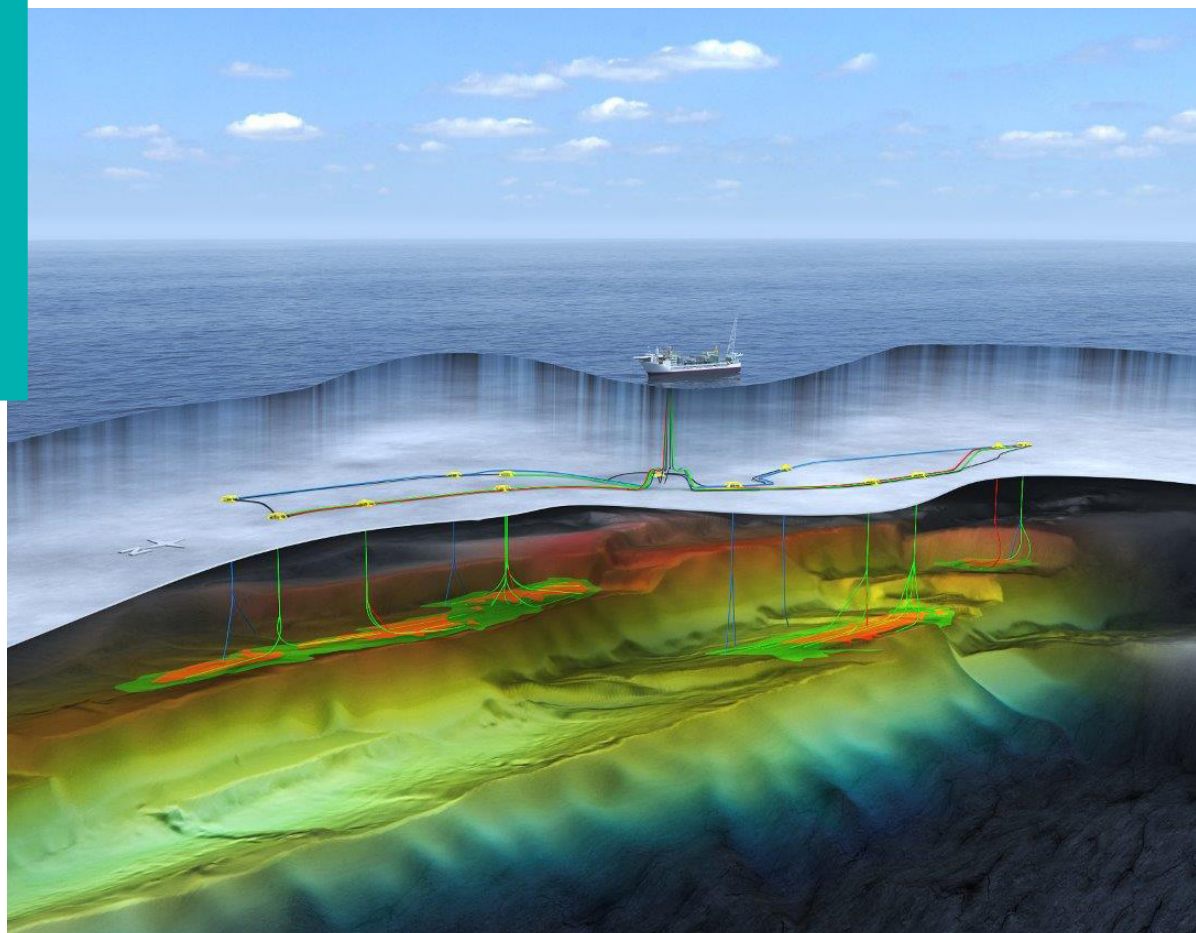


Tekna

NFOGM
NORWEGIAN SOCIETY FOR
OIL AND GAS MEASUREMENT



North Sea
FLOW
Measurement Workshop



EXPERTISE – NETWORK – CAREER

Tekna – The Norwegian Society of Graduate Technical and Scientific Professionals

The Chairman Welcome

We invite regulators, operators, engineering contractors, service companies, manufacturers and research institutions to submit technical abstracts on topics related to new technologies, product developments, system improvements and field experiences related to onshore and offshore flow measurement of oil and gas.

In times when most of the information is shared digitally, particularly in 2020, we believe the value of meeting people, listening to their presentations, asking questions, discussing technical and business topics, studying field equipment and demos models in the exhibition area and having small talks with regulators, colleagues, clients and suppliers is underestimated. We therefore, currently, plan for a traditional event in Tønsberg, Norway.

The North Sea Flow Measurement Workshop will be arranged for the 39th time in 2021. This annual event alternates between Norway and UK and is the world's most recognized event on topics related to accurate flow measurement and metering systems for oil and gas at single phase, wet gas or multiphase conditions,

including sampling and online analysis of associated fluid properties.

The oil and gas flow measurement industry is moving towards higher accuracy, more environmental focus, unmanned maintenance free operation, online diagnostics and performance monitoring.

We look forward to receiving abstracts on traditional flow measurement topics as well as subjects related to environment, new technologies and developments.

Yours sincerely,
George McNally
Chairman of NSF MW 2021



George McNally is a Principal Metering and Allocation Engineer with ten years of experience working at Vår Energi, Neptune Energy and the Norwegian Petroleum Directorate.

Call for Abstracts

All submitted abstracts will be reviewed by a nominated Technical Program Committee of industry experts for content and possible inclusion within the Workshop program. Priority is given to papers being presented by operators, or papers that include operator experience. Practical content and field experience will be emphasized, since the aim of the event is to maintain a workshop environment.

The Following Topics of Interest Are Pinpointed by the Technical Committee:

- Field experience – problems and solutions, with established or new metering technologies
- Fiscal metering, allocation metering, multiphase, and wet gas measurement challenges
- Metering concepts, including marginal fields, late phase, and virtual metering
- Multiphase and single phase sampling and analysis
- Environmental measurements, CCS, alternative fuels, flare gas etc.
- Subsea measurement challenges
- Liquefied natural gas (LNG) metering
- On-line analysis, e.g., composition, H₂S, H₂O, dew point, and CO₂
- Meter inline diagnostics, data evaluation and accuracy
- Quality control, calibration, verification, and uncertainty
- Research results, standards and regulations
- Heavy oil: single phase and multiphase metering
- Oil metering with high water content

Abstracts containing other relevant industry topics will also be taken into consideration.

The Abstract Selection Process

All submitted abstracts will be reviewed by a nominated Technical Program Committee of industry experts for content and possible inclusion within the Workshop program. Priority is given to papers being presented by operators, or papers that include operator's experiences.

Practical content and field experience will be high interest and emphasized, since the aim of the event is to maintain a workshop environment.

Submission of Abstract

All authors who wish to present a paper or a poster at the Workshop must submit a full abstract. Email your abstract submission to: lio@tekna.no.

Abstract Guidelines

An abstract should contain

- Maximum 500 words (excluding the title, author, contact, and format details)
- Provide a clear background and motivation for the work to be presented
- Provide a clear statement of the objective of the work
- Describe briefly and clearly the technical content of the paper
- Give a clear conclusion of the work
- Provide contact details for the author and co-authors: name, affiliation, email. • Indicate preferred format of delivery (oral presentation, or poster)

If your abstract is accepted for oral presentation, the presenting author must attend the Workshop to present and discuss the material. All material should be in English.

The speaker of each paper will be granted 50 % reduction of fee (excluding accommodation).

Speakers Conditions

The speaker of each paper will be granted 50 % reduction of fee. (Accommodation is not included).

Two options of paper format

1. A fully written technical paper accompanied by a 20 minutes oral presentation and a 5 minutes chaired Q&A session. This is the most common way for material to be delivered.
2. A poster presentation that is discussed by the principal author during the Workshop Poster Session, with an accompanying written full technical paper published in the Workshop proceedings.

Due to the high number of submitted abstract, some contributors may be invited to present their work in a

different form than initially submitted.

Key Dates

Abstract submission: March 31st 2021
Notification of acceptance: Primo May 2021
Final program: Primo June 2021
Submission of technical paper: October 4th, 2021

Paper Publication

The Workshop proceedings, including all papers presented at the Workshop, will be available for sale via NEL after the Workshop (www.tuvnel.com).

One year after the Workshop all papers will be made available for free at www.nfोगm.no and Petroleum abstracts (University of Tulsa, USA)

All abstracts and papers will be registered at the Petroleum Abstracts register, organized by the University of Tulsa. Petroleum Abstracts is a worldwide known register for published papers on technology developments within oil and gas (www.pa.utulsa.edu).

Exhibitor Opportunities

As an exhibitor you have here a unique opportunity to present your cutting-edge technology. The large numbers of sponsors and exhibitors makes the Workshop event a complete arena for sharing experiences and encouraging discussions, with excellent networking opportunities. There is limited space available for exhibitors. Registration will first be available 1 November 2020. First come, first served basis.

Standard Package: 3x2 m floor space, electricity, table/ table cloth and chairs.
NOK 32 000,-

Plus Package: as above plus a room for showcasing technology and services in the Manufacturing Session.
NOK 37 000,-

Prices are additional to delegate fee and accommodation. 25 % VAT will be added.

Administration

Lise Olaussen, Project Manager, Tekna
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Program Chair

George McInally, Principal Metering & Allocation Engineer, Partner Operated Assets, Vår Energi AS
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For more information, see Tekna.no!

REGISTRATION

Tekna.no

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TECHNICAL COMMITTEE

George McNally, Vår Energy Norway, Chairman for 2021

Harald Drejer, A/S Norske Shell, Norway

Henrik J. Fosså, Neptune Energy, Norway

Douglas Griffin, Oil and Gas Authority, UK

Børge Olafsen, Aker BP, Norway

Bruno Pinguet, NEL, UK

Astrid Marie Skålvik, NORCE, Norway

Therese Larsson Vedvik, Equinor, Norway

Ole Øiestad, Intertek West Lab

DELEGATE FEES

- Members of Tekna/NFOGM: NOK 8 500.-
- Non-members of Tekna: NOK 9 500.-
- Banquet: NOK 900,-
- Speakers: NOK 5 000.-
- Exhibition Standard Package: NOK 32 000.-
- Exhibition Plus Package: NOK 37 000.-

All prices will be added 25 % VAT. Includes web-based documentation, exclusive hotel costs. All fees will have to be paid prior to the conference.

VENUE & ACCOMMODATION

Quality Hotel Tønsberg

Accommodation

- Single room: NOK 1 750.- per person per night
- Double room: NOK 1 550.- per person per night

Prices includes breakfast, lunch, dinner and refreshments during the conference.

Room reservation can be made when you register for the conference. Hotel is to be paid directly to the hotel.

ADMINISTRATION

Lise Olaussen, Advisor Oil & Gas, Tekna

Email: lio@tekna.no

EXHIBITION

Anu Laakso, Project manager, Tekna

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Tekna - The Norwegian Society of Graduate Technical and Scientific Professionals

Tekna is a leading developer and organizer of courses, conferences and seminars in key technological areas. Tekna is committed in the development of expertise, and in creating the best meeting places for professionals and knowledge environments. Tekna also offers a broad range of management and personal development courses. Tekna works for a knowledge-based society.

NFOGM - The Norwegian Society for Oil and Gas Measurement

NFOGM is an independent society for personnel engaged in measurement of oil and gas in the Norwegian oil and gas business. In the technical area the Society's activities include flow measurement, sampling and online quality measurement in processing and transportation facilities.

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