

Curriculum vitae with track record (for researchers)

Role in the project

Project manager Work package leader
 Project partner Other (specify)

Personal information

First name, Surname:	Iversen, Fionn		
Date of birth:	08.06.1967	Sex:	Male
Nationality:	Norwegian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	A-1892-2019 (ORCID: 0000-0002-9230-5690)		
URL for personal website:			

Education

Year	Faculty/department - University/institution - Country
2002 (dissertation defended)	Ph.D. Materials Technology, Faculty of Natural Sciences, Department of Materials Science and Engineering, NTNU, Norway
1997	Master Applied Mathematics, Faculty of Mathematics and Natural Sciences, Department of Applied Mathematics, University of Bergen, Norway
1993	Master of Engineering, Technical Physics, Faculty of Natural Sciences, Department of Physics, NTH, Norway

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2019-	Chief Scientist, Department of Energy, Norwegian Research Centre - NORCE, Norway
2013-2015	Assistant Professor, Faculty of Natural Sciences, Department of Petroleum Technology, University of Stavanger, Norway
2011-2019	Senior Scientist / Chief Scientist, Department of Energy, International Research Institute of Stavanger - IRIS, Norway
2009-2011	Technical Director / Managing Director, DrillTronics and DrillScene companies (now Sekal), Norway
2006-2009	Senior Researcher, Department of Energy, IRIS, Norway
2002-2006	Researcher, Department of Energy, Rogaland Research, Norway

2000-2002	Teaching Assistant, Department of Materials Science and Engineering, NTNU, Norway
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Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project owner - Project - Role - Funder
2021	Green Platform pre-project, "Optimisation and Qualification of Liquid Hydrogen for Maritime Transport"
2020-	BKK - Liquid Hydrogen Value Chain – WP manager – RCN Pilot-e, BKK, Equinor, Air Liquide
2015-2019	NORCE - NorTex Data Science Cluster – project manager – RCN INTPART
2014-2017	NORCE - ENG59 Non-Newtonian Liquids – project manager - EU EMPIR Research Excellence Grant
2015-2016	NORCE - Hole Cleaning Guidelines - project manager - Equinor
2014-2018	NORCE - Advanced Wellbore Transport Modelling – project manager - RCN KPN, Equinor, Neptune Energy
2010-2015	NORCE - Automated Drilling Fluid Processing - RCN IPN, Equinor
2010	Drilltronics Rig Systems (now Sekal) - Drilling Automation Modes – project manager - DEMO2000, Equinor
2009	Drilltronics Rig Systems - Drilltronics Automated Drilling Pilot – project manager - Equinor
2007-2010	IRIS - Drilltronics phase III – project manager – Equinor, BP
2006	IRIS - Drilltronics Rig System Openness Enablement – project manager - Equinor, BP
2005-2007	IRIS - Kristin Well Control studies – project manager - Equinor
2005	Rogalandsforskning - Kvitebjørn hydraulics and MPD assessment studies – project manager - Equinor

Supervision of students

(Total number of students)

Master's students	Ph.D. students	University/institution - Country
	1	UiS/NORCE - Norway

Other relevant professional experiences

(E.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2020	IADC Cybersecurity conference - program committee
2019-	General Manager, Norwegian Centre for Geothermal Energy Research – CGER

2016-2019	OTC NorTex Data Science Workshop, Houston – organising committee
2016, 2018	ONS NorTex Data Science Workshop, Stavanger – organising committee
2018	Moderator, Future oil and Gas conference, Aberdeen, 2019
2018	Advanced Wellbore Transport Modelling open seminar – main responsible
2012, 2014, 2016	SPE Intelligent Energy International conference – program committee
2013-2014	IADC Advanced Rig Technology Conference - program committee
2013	SPE Adaptive Well Construction Forum, Portugal - program committee
2011-2013	SPE DSATS subcommittee – chair
2012	Special session: Instrumentation Challenges Related to Drilling, IEEE I2MTC, Austria – organising committee
2010	Society of Petroleum Engineers Journals – Associate Editor / Technical Editor

Track record

Total number of publications: 32

Selected peer-reviewed publications:

A Ambrus, N Saadallah, S Alyaev, F Iversen. 2019. Automatic Detection of Anomalous Drilling Operations Using Machine Learning Methods and Drilling Process Simulations., Vol. 45.(1). *Citations: Google Scholar 1.*

A Busch, A Islam, DW Martins, FP Iversen, M Khatibi. 2018. Cuttings-transport modelling–part 1: specification of benchmark parameters with a Norwegian-continental-shelf perspective. SPE Drilling & Completion Vol. 33.(2). *Citations: Google Scholar 17.*

F Iversen, S Moi, SM Aasen, G Saelevik. 2018. Flow-loop Experiments with Non-Newtonian Reference Fluids for Estimating Uncertainty of In-line Rheology Sensors. OIL GAS-EUROPEAN MAGAZINE Vol. 44.(1). *Citations: Google Scholar -.*

F Iversen and T Geehan. 2015. Drilling Fluid Processing: Preparation, Maintenance and Continuous Conditioning, IEEE Instrumentation & Measurements Magazine, Vol. 18.(6). *Citations: Google Scholar 1.*

J D Macpherson, J P de Wardt, F Florence, C Chapman, M Zamora, M Laing, F Iversen. 2013. Drilling-Systems Automation: Current State, Initiatives, and Potential Impact. SPE Drilling & Completion; Vol. 28.(4). *Citations: Google Scholar 39.*

F Florence, F Iversen, J Macpherson. 2013. Drillers' notes. IEEE Instrumentation & Measurement Magazine. Vol. 16.(5). *Citations: Google Scholar 2.*

L J Gressgård, K Hansen, F Iversen. 2013. Automation systems and work process safety: assessing the significance of human and organizational factors in offshore drilling automation. Journal of Information Technology Management; Vol. 24.(2). *Citations: Google Scholar 3.*

F Iversen, L J Gressgård; J L Thorogood, M K Balov, V Hepsø. 2013. Drilling Automation: Potential for Human Error. SPE Drilling & Completion; Vol. 28.(1). *Citations: Google Scholar 25.*

J Thorogood, WD Aldred, F Florence, F Iversen. 2010. Drilling Automation: Technologies Terminology and Parallels With Other Industries. SPE Drilling & Completion, Vol. 25.(4). Citations: Google Scholar 49.

F Iversen, E Cayeux, E W Dvergsnes, R Ervik, M Welmer, M K Balov. 2009. Offshore Field Test of a New System for Model Integrated Closed-Loop Drilling Control, SPE Drilling and Completion Journal, Vol. 24.(4). Citations: Google Scholar 25.

Selected conference presentations:

Fionn Iversen, Julia Diessl, Rodrigue Freifer, Martyn Shuttlewood, Nick O'Neill, Deirdre Lewis, and Laurent Gerbaud, Optimising deep geothermal drilling efficiency with respect to wellbore stability, European Geothermal Workshop 2020, online, 7-8 October, 2020

F. Iversen, Data and Uncertainty in Drilling Optimisation, NEFA Autonomikonferansen, Stavanger, 2019

Fionn Iversen, Sonja Moi, Siv Marie Aasen, Gunnstein Saelevik, Flow-loop experiments with non-Newtonian reference fluids for estimating uncertainty of in-line rheology sensors, Celle Drilling Conference, Celle, 2017

F Iversen, J L Thorogood, J D Macpherson, R A Macmillan. Business Models and KPIs as Drivers for Drilling Automation. SPE Intelligent Energy International Conference and Exhibition, 6–8 September 2016, Aberdeen, United Kingdom.

F Iversen and R Mihai. Automatic fluid measurement and efficiency benefits for drilling automation. Q1 2016 DEAE meeting, Vlaardingen, The Netherlands.

F Iversen, B Daireaux, A Leulseged, R Mihai, L J Gressgård, R Bergerud, B T Bruun, M K Balov. Developing Operational Procedures for Safe and Efficient Application of New Process Control Functionality on the Drilling Rig. SPE European HSE Conference and Exhibition, 16-18 April 2013, London, United Kingdom.

Fionn Iversen, Funksjonalitet og trening i automatisering av boreprosessen, NPF Kristiansandkonferansen, Kristiansand, 2009

Fionn Petter Iversen, Eric Cayeux, Erik Wolden Dvergsnes, Ragna Ervik, Martin Byrkjeland, Morten Welmer, Arne Torsvoll, Mohsen Karimi Balov, Eilert Haugstad, Antonino Merlo, Offshore field test of a new integrated system for real-time optimization of the drilling process, IADC/SPE Drilling Conference, 2008

F Iversen, E Cayeux, EW Dvergsnes, M Welmer, A Torsvoll, A Merlo, Demonstrating a new system for integrated drilling control, AADE National Technical Conference and Exhibition. Houston, Texas, 2007

FP Iversen, E Cayeux, EW Dvergsnes, JE Gravdal, EH Vefring, B Mykletun, A Torsvoll, S Omdal, A Merlo, Monitoring and control of drilling utilizing continuously updated process models, IADC/SPE Drilling Conference, 2006

F Iversen, JA Bakken, ST Johansen, A Marker Chain Front Tracking Method Adapted for Modelling Meniscus Dynamics in the Direct Chill Al Billet Casting Process, TMS Annual Meeting & Exhibition, 2001

Granted patents:

Iversen, F., & Cayeux, E. (2015). DRILLING CONTROL METHOD AND SYSTEM. U.S. Patent No. 9,175,557. Washington, DC: U.S. Patent and Trademark Office.

Iversen, F., & Cayeux, E. (2017). DRILLING CONTROL METHOD AND SYSTEM. European Patent No. 2404031B1. European Patent Office.