

CURRICULUM VITAE

KHANH DUC NGUYEN - GEOPHYSICAL CONSULTANT

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PROFILE

- Master of Science degree in Geosciences from NTNU in Trondheim, Norway
- Provided consultation and geophysical counsel to management on geophysical problems and acted as a technical advisor to work teams.
- Demonstrated ability to work and communicate effectively within multi-disciplined team
- Strong geophysical background especially in petroleum geophysics
- Provided geophysical input to well planning and follow-up of drilling operations in Ormen Lange, Draugen and Gullfaks fields
- Demonstrated ability to identify areas where expertise/technology is required and come up with new ideas as well as implementation of continuous improvement to existing workflow/minimum standard

WORK EXPERIENCE

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|--------------------------|---|
| 01/2020 – Now | Experis A/S, Stavanger, Norway, Geophysical consultant <ul style="list-style-type: none">• Interactive Depth Residual Analysis With Uncertainty (I DRAW U: LINK)• V_p, K parameters estimation with uncertainty using Markov Chain Monte Carlo method (App: LINK)• Lithostratigraphy for wells on the NCS (App: LINK; Map: LINK)• Map of reserves per field/discovery on the NCS (LINK)• Lithostratigraphy for wells onshore Netherlands and DCS (Map: LINK) |
| 06/2019 – 12/2019 | Equinor, Sandsli - Bergen, Norway, Geophysical consultant <ul style="list-style-type: none">• Worked in the integrated subsurface team of Gullfaks field. Carried out time-to-depth conversion, seismic inversion, 4D modelling and analysis• Developing new workflows and Python codes for continuous improvement as well as creating several 'how-to' documents to share knowledge within the team. |
| 04/2017 – 06/2019 | Freelance geophysical consultant, Stavanger, Norway <ul style="list-style-type: none">• Provided consultation services such as seismic data acquisition, processing, imaging and data management as well as 3D & 4D interpretation, modelling and analysis to oil companies. |
| 10/2010 – 04.2017 | A/S Norske Shell, Stavanger, Norway, Senior Geophysicist <ul style="list-style-type: none">• Provided integrated seismic imaging, reservoir characterization, 4D seismic processing & analysis to exploration and development teams that include among other projects: Draugen, Ormen Lange, Barents Sea• Member of Ormen Lange license technical committee and participated in the asset team as well as representing operator's work and options at partner meetings.• Responsible for processing, velocity model building and 3D depth imaging in Europe (Norwegian, Dutch and UK North Sea, Dutch onshore) including advanced imaging technologies such as RTM, FWI, etc.• Member of geophysical taskforce - development and implementation of continuous improvement to the existing workflow/minimum standard: testing and evaluating the adequacy of acquisition parameters, processing/imaging techniques and interpretation methods to propose and implement updated and/or new workflows and techniques |

08/2004 – 07/2010

Post-graduate researcher in Scandinavia

- Post-graduate research in sub-basalt seismic imaging & analysis (2006-2010), University of the Faroe Islands, Denmark: carried out improved seismic acquisition, processing and imaging as well as interpretation methods to overcome the challenges of “seeing through” thick basalt layers over the Faroe Islands
- Master of Science degree in Petroleum Geosciences (2004-2006), Norwegian University of Science and Technology - NTNU, Norway: time-lapse (4D) seismic processing and analysis of CO₂ injection into an aquifer at the Sleipner field, under the supervision of Prof. Martin Landro

1996 – 2004

FairfieldNodal (USA) based in Vietnam, Senior geophysicist

- Supervisor of a processing team carried out processing projects for clients, covering the whole processing spectrum: 2/3D re/processing, land/marine, PSDM, etc.
- Project leader for the first and largest-ever PSDM project in Vietnam in 2003 (\$US 1 million)
- Provided consultation services to a large seismic data archiving and management project for PetroVietnam (National Oil Company): more than 100000 tapes were encapsulated and managed using ORACLE database

1994 – 1996

Vietnam Petroleum Institute, Vietnam, Geophysicist

- Carried out seismic interpretation and reservoir characterization of various fields offshore Vietnam
- Took part in a joint-study project on 3D seismic interpretation with Shell Vietnam in 1995

EDUCATION

2004 – 2006

Norwegian University of Science and Technology - NTNU, Norway, Master of Science degree in Petroleum Geosciences

1989 – 1994

University of Mining and Geology, Vietnam, Engineering degree in Geophysics

AWARDS AND GRANTS

- Shell’s special recognition award (SRA) for developing and implementation of new workflows
- FairfieldNodal’s employee of the year twice
- EAGE’s student travel grant
- University’s fellowship for outstanding research

IT SKILLS

- Seismic modelling, processing and imaging: Nucleus (PGS), Norsar (Norsar), SIPMAP, SMART, JobPro (Shell), ProMAX, SeisSpace (Landmark), Geodepth (Paradigm), RokDoc (Ikon Science)
- Seismic interpretation, visualization: GeoSign nDI (Shell), INTViewer (INT), Petrel, Charisma, IESX (Schlumberger), Decision Space Geoscience, GeoProbe (Landmark), Gocad-SKUA (Paradigm), PreStack Pro (Sharp Reflection), RMS (Roxar)
- Programming in Python, SQL
- Oracle database administration

LANGUAGES

- Vietnamese: Mother Tongue
- English: Fluent
- Norwegian: A2

REFERENCES

SHELL

- **Alexandre Stopin - Advanced Seismic Research Manager:** *"You have picked up technology developed here in Rijswijk very efficiently and have helped to apply them in the business. Q-tomo, FWI on Ormen Lange, Draugen and the Barents Sea for example"*
- **Richard Shipp - Specialist Geoscience Manager:** *"Thank you for your contributions to the Specialist Geoscience team over the years on projects across the region and most notably your numerous improvements to our workflows; also your geophysical counsel"*
- **Diederik Van Dalen - Principal Research Geophysicist:** *"Was not aware that you are leaving us. A big loss for Shell, but I am sure your prospects outside look bright. Has always been a pleasure to work with you, you being one of our smarter SMART users"*

EQUINOR

- **Torill Andersen - Manager Petroleum Technology:** *"I am impressed with what you managed to do during your time in Gullfaks. I hope you enjoyed your work in Equinor the last half year"*
- **Martin Leonardi - Leading Engineer Reservoir Geology & Petrophysics:** *"I learnt more from you in DSG than from anyone else in the last 10yrs: visualisation, TFL processing, 4D modeling, extract from sim model etc... you just do it"*
- **Subhro Sinha Roy - Principal Reservoir Geophysicist:** *"It's been short stint of knowing you in the last 6 months but rewarding"*