

JesperDramsch

Master of Science Geophysics

contact

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LinkedIn

Nationality

German

languages

GermanC2
EnglishC1
SpanishB2
FrenchB1

education

- 2010–today **Master** of Science, Geophysics University of Hamburg, Germany
Pre-stack Data Enhancement for Subsalt Imaging using the Partial Common Reflection Surface Stack
Testing the improvement in seismic subsalt images, based on a Fresnel zone limited traveltime surface. Current GPA 1,82 (de)
- Coursework *Geophysics* Seismic Dataprocessing, Inversionproblems, 3D Seismic Acquisition and Processing, Seismic Migration, Anisotropy, Boreholegeophysics, Basinanalysis
Geology Oil and Gas Geology, Sequence Stratigraphy, Geodynamics and Tectonics
- 2007–2010 **Bachelor** of Science, Geophysics University of Hamburg, Germany
Trace interpolation using Partial CRS-Stacks
Systematic evaluation of validity of trace interpolation with partial CRS stack in seismic gaps. Final GPA 2.3(de)
- Coursework Applied Seismics, Data Processing, Numerical Methods, Seismic Waves and Signals, Geological Interpretation, Sedimentary Basinanalysis
- 2006–2007 **Junior** Studies, Geophysics/Oceanography University of Hamburg, Germany
Early access university program for talented high school students.
- 2004–2005 **Exchange** Student, USA Norton High School, USA
Honor Roll student. GPA 1.0 (de) - 4.0 (us)

experience

- 2014 – 2015 **O+P Geotechnik** Hamburg, Germany
Student Assistant
- 2012 (4m) **Schlumberger** Crawley, United Kingdom
Intern -- Engineering Seismic Interpolation
Prototyping an automatic data-driven seismic interpolation method.
- 2011 (2m) **Fugro Seismic Imaging** Oslo, Norway
Intern -- R&D Seismic Imaging
Comparison of different near offset trace interpolation algorithms (i.e. CRS) to improve Surface Related Multiple Elimination (SRME) in 2D.
- 2010–2012 **University of Hamburg** Hamburg, Germany
Student Assistant -- Applied Seismics
Assessing the accuracy of partial CRS trace interpolation.
- 2009 (3d) **FS Alkor** AL 339
University marine field work
seismics, gravity, geomagnetics and echo-sounding including deploy.

Jesper Dramsch

Skills & Achievements

software skills

Promax, SeisSpace
SeismicUn*x
Matlab, Python
L^AT_EX, Bash
Windows, Unix

special interest

seismic processing
seismic interpolation
sub-salt imaging
fresnelzone imaging
anisotropy

soft skills

technical presenter
analytical thinking
team leading
conflict resolution
discipline

communication skills

- 2011, 2012 **Famelab Hamburg** British Council
1st Prize & 2nd Prize for a presentation on seismics and geohazards.
- 2011 **Poster Presentation** 73rd EAGE Vienna
Evaluation of trace interpolation with partial CRS stacks.
- 2011 **Technical Presentation** Wave Inversion Technology Meeting
Presenting my work on seismic interpolation.
- 2011 - today **Technology Blogger** Dramsch.net
Technical blog about geoscience and seismics with over thousand viewers per month. Prominently featured on agile* geoscience.

voluntary activities

- 2011 **Vice President GAP e.V.** Geophysical Activity Programme e.V.
Major German geophysical student meeting and networking event. Including 10 major sponsors, 150 student participants, six organisation teams, several helping hands and a five figure budget.
- 2008–2011 **Student representative** University of Hamburg
Involved in organising networking events, first semester introductory events and restructuring the representative organisation.

interests

professional: geophysics, geology, big data, seismic imaging, interpolation, science communication, anisotropy **personal:** weight lifting, rock climbing, saxophone, strategic boardgames, organizing social events

publications

- Masterthesis **Pre-stack Data Enhancement for Subsalt Imaging** University of Hamburg
Comparison of several methods to enhance the seismic subsalt image.
- book chapter **52 things you should know about geology** Agile Geoscience
Is working in oil and gas immoral?
- proceedings **Trace Interpolation with Partial CRS Stacks** EAGE Meeting, 2011
Jesper Dramsch, Dirk Gajewski
International Peer-Reviewed Conference Proceeding
- other **Gab es vor 10.000 Jahren schon Wälder?** State Archive, 2003
Jesper Sören Dramsch, Wolfgang Fraedrich