

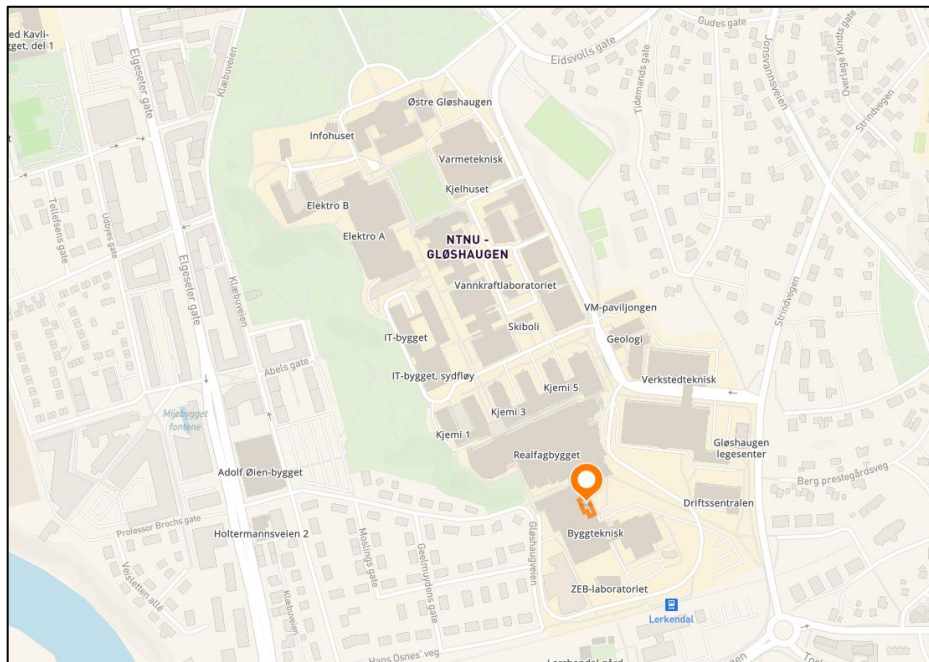


Norwegian University of
Science and Technology

REEF3D Workshop and Coastal Engineering Day 2022 NTNU/PIANC

When: Wednesday the 30th and Thursday the 31st of March.

Where: Room 1-209, Høgskoleringen 7A, 7034 Trondheim



Sign up with
QR code
or
[Use this link](#)

NTNU and PIANC join forces to organize the 5th Coastal Engineering Day and REEF3D Workshop in Trondheim the 30th – 31st of March 2022. The event aims to bring together the academic and professional communities within the coastal engineering profession. There will be industry specific and research-based presentations combined with a workshop showcasing NTNU's open-source hydrodynamic software, REEF3D. These two days will provide a great framework for networking, sharing of experiences and mutual learning between sectors, and should be interesting for all those who work or study within fields connected to coastal engineering. Please use the QR code or weblink above to sign up, and for any questions contact Magnus (magnus.thorsen.bach-gansmo@norconsult.com).

The event is free and open for all. Registration deadline 25th of March 16:00.

We look forward to seeing you there!

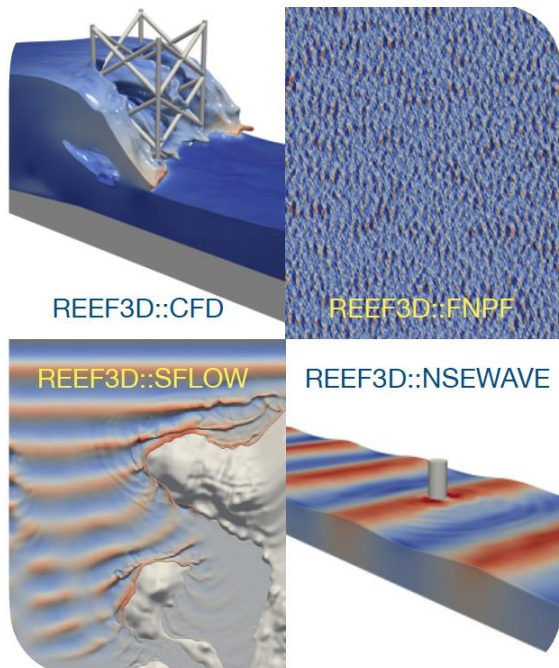


NTNU

Norwegian University of
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Program REEF3D Workshop 30th of March

- 09:30 - 10:15 *Part 1 - Introduction to the Opensource hydrodynamic framework REEF3D*
Hans Bihs – NTNU
- 10:30 - 12:00 *Part 2 - Large-scale wave modelling with REEF3D::FNPF and demonstration*
Weizhi Wang – NTNU
- 12.00 - 13.00 **Lunch**
- 13:00 - 14:30 *Part 3 - REEF3D installation and hands-on examples with REEF3D::FNPF*
Weizhi Wang – NTNU
- 14:45 - 15:30 *Part 4 - Force calculation and hydrodynamic coupling*
Arun Kamath – NTNU



Check out related web resources:

Model description, publications:

www.reef3d.com

Source code, User guides:

[www.github.com/REEF3D](https://github.com/REEF3D)

Video tutorials:

<https://www.youtube.com/user/REEF3D>

User forum for FAQs, bug reports, user support:

<https://www.cfd-online.com/Forums/reef3d/>



NTNU

Norwegian University of
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Program Coastal Engineering Day 31st of March

- 10:00 *Welcome and information about PIANC and Young Professionals.*
Magnus Bach-Gansmo – Norconsult / PIANC Norway YP-Com delegate
- 10:20 *What it's like to be an underwater contractor*
Malin Meinhold Moldeklev – Sjøentreprenøren
- 10:40 *Solving challenges in water environments with numerical modelling*
Mathias Singsaas Frøseth – DHI
- 11:00 *Risk assessment of sea level rise, storm surges and high waves for infrastructure planning in Norway*
Athul Sasikumar – Norconsult
- 11:20 *Environmental engineering aspects in constructions in marine civil engineering*
Anita Whitlock Nybakk – Norconsult
- 11:40 **Lunch**
- 12:40 *Global analyses of OO-Star Wind Floater concept for floating offshore wind*
Håkon S. Andersen – Dr.Techn. Olav Olsen
- 13:00 *DNORA: Open-access dynamical downscaling of open-ocean wave hindcast/forecast for coastal areas*
Konstantinos Christakos – MET Norway/ NTNU
- 13:20 *Offshore wind turbine support structures Design, Optimisation and innovative concepts*
Michael Muskulus- NTNU
- 13:40 *MooringSense - European research and innovation project to reduce the floating offshore wind costs*
Synne Nybø - SINTEF
- 14:00 **Coffee break**
- 14:20 *Glacial Ice and Offshore Structure Impacts under Wave and Current Excitation*
Wenjun Lu – NTNU
- 14:40 *Rapid nonlinear numerical modelling and force calculation, digitalisation skills in education at NTNU*
Arun Kamath - NTNU
- 15:00 *Next-Generation Modelling of Open Ocean Aquaculture Structures*
Hans Bihs – NTNU
- 15:20 *Q&A, Marine Civil Engineering at NTNU, Summary and comments*
Arun/ Magnus
- 15:40 **Networking**