



Invitation to the COMPILE benchmark workshop

Dear colleague,

You are cordially invited to participate in the upcoming COMPILE benchmark workshop. The topic of this workshop is the

Calculation of underwater sound due to offshore pile driving.

Offshore pile driving noise is a comparatively young issue that has got special attention due to the increasing number of offshore wind farm constructions. The aim of this initiative is a comparison of the numerous models for the prediction of offshore pile driving noise that have been developed throughout the past or are still under development. Therefore, precise benchmark test cases have been set up to enable a direct comparison of the different modelling approaches.

A description of the basic benchmark scenario (case 1), which is a generic pile driving design, is included in the attachment. In the near future, further test cases will be provided that are based on offshore field measurements. The test cases should be solved by using a model of your choice. The predefined sampling points for the evaluation of the different quantities of the underwater sound field enable a direct comparison of your results with other modelling approaches and a validation of your own model without cost- and time-intensive offshore measurement campaigns. The corresponding workshop will provide an ideal platform to assess the practicability of the different approaches and to discuss options for further improvements. The main goal is to increase the exchange of ideas and enhance the different numerical methods.

COMPILE has been established by TNO (the Netherlands) and the TUHH Hamburg University of Technology (Germany). The workshop will take place at the TUHH

From June 18th to June 19th, 2014.

The date enables participants from overseas to smoothly combine the COMPILE workshop with the 2nd International Conference and Exhibition on Underwater Acoustic (UA2014) that will be held on the Greek island of Rhodes from June 22nd to June 27th, 2014. Please note that all participants in the COMPILE workshop are required to provide results for the generic pile defined in case 1. This precondition has been made to ensure an efficient and fruitful exchange between active participants rather than "passive listeners". Following workshops may be organized on a yearly basis.

COMPILE is open to all kind of institutions, so we would like to encourage universities, institutes, and companies from all over the world to take part in this benchmarking exercise. If you are interested in participating in the COMPILE workshop, or interested in learning more about this initiative, we kindly request you to provide us with a notification before

February 28th, 2014.

We will then add you to the official COMPILE mailing list to keep you informed about the detailed procedure regarding the workshop, possible updates on the test cases, and any other activities.

For further information, please contact Stephan Lippert (TUHH) or Marten Nijhof (TNO) and check the COMPILE-website (www.mub.tuhh.de/compile) for updates.

Please feel free to forward this email to colleagues and friends who might also be interested in participating in COMPILE.

With best regards,

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