

## TC Computational Acoustics

### Chairs

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1. The activities of the TC during 2015 in Conferences organized or sponsored by EAA.

In 2015, the TC Computational Acoustics was involved in Euronoise in Maastricht by the organisation of the following sessions:

- Computational acoustics for offshore pile driving noise;
- Time domain modelling.

2. The number of TC meetings organized during 2015 and an estimated number of participants.

We arranged a TC meeting during Euronoise with a number of about 10 participants.

3. Other activities of the TC in 2015.

We have continued with our platform for benchmark cases in computational acoustics. The platform can be found at <http://eaa-bench.mec.tuwien.ac.at>. In particular,

- We have established benchmark case editors (7 in total), who will assist us with the benchmark cases.
- We have published a journal paper in Acta Acustica about the benchmark cases (Acta Acustica United with Acustica 101(4) (2015), 811-820) and have presented a conference paper related to the benchmark cases (DAGA paper by Steffen Marburg).

4. The number of members of your TC.

We do not work with membership, but we have an e-mail list of contacts we use.

5. The way of communicating with your members.

We communicate by our page at the EAA website and via e-mail.

6. Possible problems you encountered during 2015.

7. Your plans for 2016

In 2016, we plan the following:

- Continuation of our Benchmark Cases platform: getting in more benchmark cases into our initiative by:
  - Proposing new cases ourselves.
  - Promoting Benchmark cases during conference papers at DAGA (Marburg), InterNoise in Hamburg (Marburg).
- A Special issues for Acta Acustica United with Acustica has been arranged Volume 102, Number 2, March/April 2016; Special Section: Human Phonation: Modeling, Simulation and Experiments.
- Organisation of conference sessions:
  - InterNoise Hamburg: Wind Turbine Noise: Measurement, Modeling and Simulation (14 papers).
  - EuroRegio: Numerical and Computational Acoustics.
- EAA summerschool in Porto on Numerical methods in Acoustics:
  - Lecture of Steffen Marburg FEM and BEM in frequency domain.
  - Lecture of Maarten Hornikx: Volume-discretization time-domain methods.

- Preparation of conference session at Boston 2017: FORUM ACUSTICUM (together with Robert Koch, ASA) is accepted: Numerical Methods and Benchmarking in Computational Acoustics.
- Preparation of new TC chair elections in Boston 2017.