

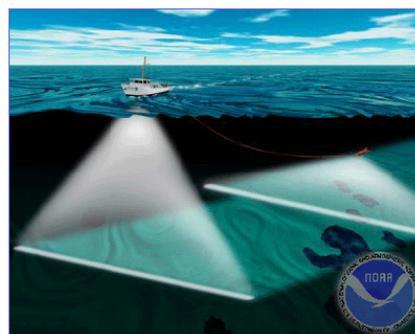


## Joint Master Thesis with the **University of Miami**

about

### “The Combination of Medical Ultrasound and Deep-Sea Sonography”

The thesis will be supervised by Prof. Nassir Navab at the chair for computer aided medical procedures (CAMP) at TUM and Prof. Shahriar Negahdaripour at the college of Engineering at the University of Miami. The student will start at CAMP to learn the basics of medical ultrasound. This will to certain amount of the time happen at the Klinikum rechts der Isar. After this training period, he will continue his thesis at the University of Miami and work on optic-acoustic imaging for underwater search and inspection. The aim is to combine knowledge from these two separate fields of research. So, for example, investigating problems in sonar applications and looking in the community of medical ultrasound, if similar solutions have been proposed that could be adapted.



Next to a general interest in ultrasound imaging and the exchange with Miami, the student should have knowledge of image processing and medical imaging. Moreover, he should be used to work in either Matlab or C++.

Please send applications with an attached CV to Christian Wachinger, [wachinge@in.tum.de](mailto:wachinge@in.tum.de)