Masterarbeit (photonic engineering/ medtech/ mach./ kyb):

Thema:
Optical Design of illumination optics for structured light applications at the ear-drum
(Cooperation with University of Antwerpen - Belgium)

Research project at the University of Antwerpen:
Department of Physics
Laboratory of Biomedical Physics
University of Antwerp
B-2020 Antwerp, Belgium

An efficient light collimator needs to be designed to project a structured light pattern onto the eardrum. The project can be an interesting topic for a student at master-level or undergraduate level. In the project we have designated about 3 to 6 months, starting in March/April 2019, to the realization of the optical part of the projector. We do not (yet) have ray tracing or optical design software available: it will be necessary that the collaborator is well trained in such software and can guide the choice of the necessary tools.

Offer: We are able to refund travel costs and will take care of good student housing, and we are allowed to give a living allowance of around 400 euro per month.

Requirements:

- Experience with optical design software
- English (or Dutch) language skills
- Self-organized
- Knowledge in geometrical optics and illumination design

Interested?

Prof. Dr. Alois Herkommer  herkommer@ito.uni-stuttgart.de