

New research position for young scientist or engineer

- Research topic** Numerical and experimental investigations on swarm flow behavior under pool scrubbing conditions
- Tasks:**
- Experimental studies of bubble dynamics of swarm flow with emphasis on bubble movement, bubble size and bubble resident time.
 - Numerical investigations on bubble dynamics with CFD code OpenFOAM using Eulerian-Eulerian two-fluid method for basic flow field and particle tracking method for bubble dynamics.
 - Assessment of existing models and development of new models for the swarm flow velocity and bubble resident time.
- Your qualification:**
- Master degree of engineering or physics
 - solid background of numerical fluid mechanics
 - Good knowledge in German and English
 - Strong motivation in education activities and in supervision of Bachelor thesis and Master thesis
- Duration:** 3 years
- Date of start:** July 1, 2022
- Contact Info:** For any further information please contact Prof. Xu Cheng
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- Application:** Please send your application documents to
Xu.cheng@kit.edu and sekretariat@iatf.kit.edu