The Research Training Group "Interfaces, Complex Structures, and Singular Limits" (DFG-Graduiertenkolleg 2339) announces the opening of a 

**Doctorate position (75 %, TV-L 13, for 3 years)**

at the Departments of Mathematics at the Friedrich-Alexander-Universität Erlangen-Nürnberg starting as soon as possible.

The Research Training Group focuses on many aspects of advanced mathematical modeling, analysis, and numerics with the perspective to mathematically understand complex phenomena observed in the applied sciences. Typically, interfaces, multiple scales/fields, and small parameters (singular limits) are core features of the problems to be studied. The doctoral program offers a structured course program in partial differential equations, calculus of variations, numerical analysis, scientific computing, mathematical modeling, and professional skills.

The focus of the proposed PhD project is the development of numerical schemes, their analysis, and implementation. Therefore, an above-average master’s degree in mathematics, computational engineering, or a related discipline is required. We further expect sound knowledge in mathematical modeling, numerical methods for PDEs, numerical or PDE analysis, and experience with programming and implementation of algorithms. A background in reactive transport modeling, multiscale techniques, and moving boundary problems is useful.

Please send your **application by December 1st, 2018** (cover letter, CV, an official listing of your grades, and contact details of a reference, if possible) electronically to harald.garcke AT ur.de or guenther.gruen AT fau.de

Compatibility of family and work is promoted at both universities. Female candidates are particularly encouraged to apply. Equal opportunity is an essential element of our personnel policy. Applications from handicapped or equated applicants are welcome.