

PhD Student (f/m)

Engineering, Physics, Informatics, Material Science
(or similar disciplines)

Tomographic Investigation & Modeling of Fuel Cell Ageing Phenomena

Your task

You will be working in the european collaborative project “inspire” on hydrogen fuel cells. Your aim in the project is to investigate and model ageing phenomena of fuel cells. For this purpose the project has access to cutting edge 3D imaging methods, commercial solvers, a modern computer grid structure as well as equipment for experimental validation.

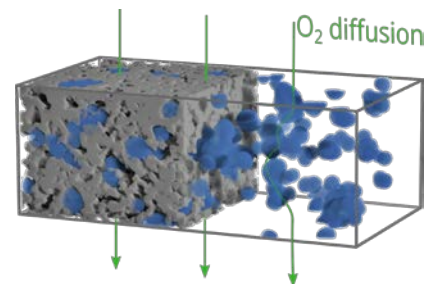


Fig. 1 Simulated oxygen transport in fuel cell electrode with product water.

Your profile

- You are interested in the development and investigation of novel energy storage methods for renewable energy/emission free mobility
- You feel comfortable with basic programming (C/C++, Matlab, Java)
- You work target-oriented and structured
- Good communication skills and team spirit are absolutely necessary
- (optional) experience in: electrochemistry, fuel cells, simulation methods or tomographic imaging

The position

- excellent working conditions in an interdisciplinary research group with a nice atmosphere
- duration of the PhD is planned for three years (80% TV-L 13)
- working language is English or German
- intended start is 1st of January 2018

For more information feel free to contact us or visit at www.imtek.de/anwendungen and www.inspire-fuelcell.eu.

Please send applications via e-mail to

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