PhD Position

(full time, 3 years)
Payment depending on qualification up to 13 TV-H
(approx. 60 T€ ... 70 T€ per year)

The position is offered in the Research Group Nanoelectronics/Device Modelling (Prof. Dr. Alexander Kloes) at Technische Hochschule Mittelhessen – University of Applied Sciences, Giessen, Germany.

It is intended to enable the successful candidate to obtain a doctorate degree in a cooperative doctorate procedure between the THM, University of Applied Sciences and the Universitat Rovira i Virgili (Spain).

The project funded by DFG (German Research Foundation) is in the research area of simulation and compact modelling of short-channel organic transistor structures. The research focuses on the development of analytical, physics-based compact models for devices with submicron channel length, including statistical variability. For fabrication and verification by measurements we are in close collaboration with Max Planck Institute Stuttgart and AdMOS GmbH.

In addition, participation in teaching and general tasks of the group is expected.

Requirements for the position:

- Master's comparable degree in Electrical Engineering or Physics
- Experience in finite element simulation of semiconductor devices
- Excellent theoretical knowledge and practical expertise in the field of solid-state electronics or physics, basic knowledge in organic chemistry
- Good English language skills necessary, basic German language skills are desirable.

We offer a stimulating and interdisciplinary research environment with very good infrastructure. Further details can be found at: go.thm.de/dmrg

Interested applicants please contact:

Prof. Dr. Alexander Kloes

(mailto:alexander.kloes@ei.thm.de).