

This position is funded by the
Carl Zeiss Foundation



miniaturization of 3D Printed Optoelectronics

Supervised by Dr. Gerardo Hernández-Sosa

The Cluster of Excellence [3D Matter Made to Order](#) (3DMM2O) combines the competencies of two universities of Excellence to advance 3D Additive Manufacturing to the next level. The goal is to break current barriers of scale, precision and speed to unleash the true potential of the technology.

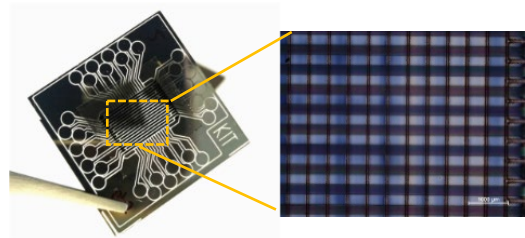
The Carl Zeiss Foundation funds a [scholarship program](#), supporting doctoral researchers during the preparation of their thesis.

Funding

The scholarship provides funding for 3 years to national and international students to cover maintenance and additional funding for research travel expenses and research materials. The current rate is 17.616,00€ / annum.

Project

The integration of printed electronic devices in miniaturized complex hybrid electronic systems will require the design of 3D device architectures at the microscale. The project consists in fabricating and characterizing thin film electronic devices by printing technology on the basis of functional materials that combine processability and optoelectronic functionality.



Requirements

- Degree in Engineering, Material Science, Physics or Chemistry
- Excellent Academic Record
- Experience in thin film characterization or solution process fabrication of optoelectronic devices is desirable.
- Excellent verbal and written English proficiency is a requirement.
- Experience with printing technology and patterning techniques is a plus.

Qualified women are strongly encouraged to apply. Disabled persons with equivalent aptitude will be favored.

For further **questions** about the project you can contact: gerardo.sosa@kit.edu

Please go to our application portal: <https://functionalmaterials.applicationportal.org/home.html>

The application period is open until position is filled. We will start reviewing applications immediately.

3D Matter Made to Order (3DMM2O)

Cluster of Excellence of the Karlsruhe Institute of Technology (KIT) & Heidelberg University
www.3DMM2O.de