

Materials Center Leoben Forschung GmbH (MCL) is an internationally active research institution specializing in materials research. The field of activity of MCL includes on the one hand the implementation of research and development projects along the whole product value chain (materials design, materials processing and materials use in innovative products) and on the other hand materialbased services (laboratory, computational and advisory services).

To strengthen our team, we are looking for someone with the following area of responsibility or requirement profile:

Master-Thesis

Ultrathin Metal Oxide Films for Chemical Nanosensors

Reference-n°.: MCL_140

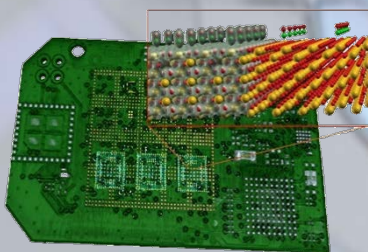
Fabrication of ZnO and CuO films by Spray Pyrolysis Technology

These topics inspire you or you are already familiar with them? Then you are right the person we are looking for!

What do we need?

- *Education in one of the following fields: Chemistry, Materials Science & Engineering, Physics*
- *Knowledge/Language skills: German/English*
- *Interest in sensor technology, microelectronics and nanotechnology*
- *Interest in experimental work*
- *Scientific curiosity, self-initiative, learning ability, communications skills, teamwork capability*

We are working worldwide in strong cooperation with well-known scientific- and company partners!



Your tasks?

- *Deposition of ultrathin ZnO- and CuO-films on silicon by spray pyrolysis technology for development of chemical nanosensors*
- *Systematic variation of deposition parameters to achieve optimum film performance*
- *Characterization and evaluation of ZnO- and CuO-films*

Our offer:

An employee relationship with supervision by Priv.-Doz. Dr. Anton Köck from 01.2019 and an expense allowance of € 3,000.00 net for 6 months

Please send your complete application documents by post or email. We would be pleased to get to know you!

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