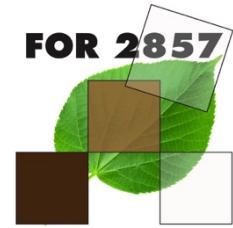




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Open PhD Positions

Copper Iodide as Multifunctional Semiconductor

We are looking for doctoral candidates (f/m/d) (for Dr. rer. nat. grade of Universität Leipzig) with interest in experimental work on the physics and applications of copper iodide, a unique widegap p-type semiconductor. For examples of our current work, see <https://home.uni-leipzig.de/grundm/publ.php>.

Regarding CuI, you may want to consult our papers:

<http://dx.doi.org/10.1002/admi.201701411>

<http://dx.doi.org/10.1063/1.5051963>

<http://dx.doi.org/10.1038/srep21937>

<http://dx.doi.org/10.1038/NCOMMS16076>

<http://dx.doi.org/10.1073/pnas.1613643113>

<http://dx.doi.org/10.1002/pssa.201329349>

<http://dx.doi.org/10.1063/1.4794532>

Possible areas of work are CuI thin film fabrication, electrical characterization, optical spectroscopy and device realizations. The candidate should have ideally a strong background in at least one of the following fields: semiconductor physics, thin film deposition, optical characterization, electronic devices, device processing or characterization.

A diploma or master degree in physics or a related scientific or technological field is required for this position.

Job duration is three years starting Q4 2019, salary: TVL-E13 50%. Highly qualified applicants can join our Leipzig Graduate School of Natural Sciences, www.buildmona.de.

Please apply via grundmann@physik.uni-leipzig.de with your cv and related documents such as copies of degrees and your publication list. For further inquiries please call +49 341 9732650.

Prof. Dr. M. Grundmann