The **INM – Leibniz Institute for New Materials** in Saarbrücken, Germany, is an internationally leading center for materials research, a scientific partner to national and international research institutions, and a research and development provider for numerous companies throughout the world. The INM is a member of the Leibniz Association and has about 250 employees.
The INM Energy Materials Group explores the high performance lithium-ion and sodium-ion battery materials. In our DFG-funded HEROES project, we develop electrospun hybrid electrodes that do not require binder or additives. We seek a

PH.D. STUDENT (F/M/D)
for electrospinning of high-performance lithium- and sodium-ion battery electrodes

Desired starting date: August 1st, 2023 (or sooner), salary level E13 TV-L 60% (with potential increase during the project), contract limited to three years (with possible extension). As a Ph.D. student, you would graduate from Saarland University.

Your tasks

- Synthesis and characterization of electrospun battery electrodes.
- Oxidation and sulfidatation of the electrospun electrodes.
- Electrochemical characterization for battery applications and electrocatalysis.
- Leading efforts related to experimental work, data analysis, and publications.
- Support of the overall scientific work of synergetic nanomaterial research.
- Communication and collaboration with academic and industry partners.

Your profile

- M.Sc. in chemistry, materials science, energy materials, or a related field.
- Experience with battery materials and electrospinning.
- Experience with electrochemical methods and material characterization.
- Ability to work as a member of an international, multi-disciplinary team.
- Excellent communication and writing skills, thorough command of the English language. German language knowledge is very beneficial.

Your benefits

- An exciting position in a dynamic research team that interacts with leading international researchers and industrial partners.
- A unique opportunity to research on pioneering methods for spherogel synthesis and electrochemical applications.
- Strong support to perform high-quality research and to present and publish your research results (journals, conferences).
- An interdisciplinary and international workplace with excellent infrastructure.
- A comprehensive benefits package (flexible working hours, mobile working, company pension scheme).

Interested? Want to know more? Just contact us!
We are looking forward to receiving your application (CV, a complete list of publications, one-page motivation letter, at least two letters of reference) by July 1st, 2023. Please send one single pdf file < 5 MB to Prof. Presser via email to the following address: volker.presser@leibniz-inm.de (Reference “PhD:SPHERO”).

The INM practices an open and appreciative corporate culture in which the existing diversity is promoted and lived. The institute is an equal opportunity employer with a certified family-friendly policy, and it provides offers for a better work-life balance, flextime, and mobile working. We promote professional opportunities for women and strongly encourage them to apply. Severely disabled applicants with equal qualifications and aptitude will be given preferential consideration.

Leibniz Association

Zertifikat seit 2012 audit berufundfamilie

CONTACT

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