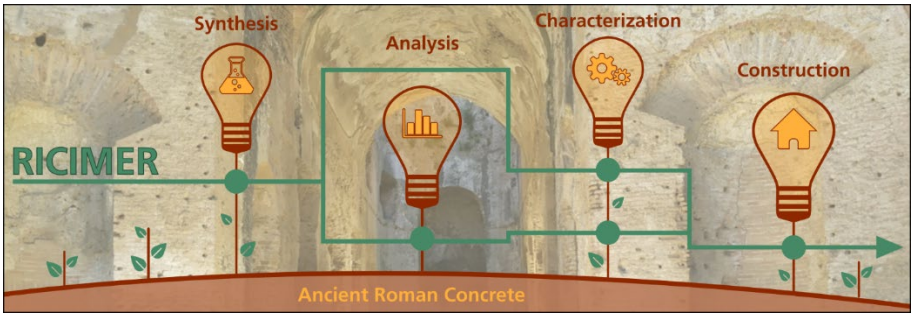
MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH

DEUTSCHES ELEKTRONEN SYNCHROTRON

STUTTGART UNIVERSITY

STRUCTURAL INVESTIGATIONS OF CEMENT BINDER PHASES USING X-RAY DIFFRACTION METHODS

The MPI-FKF at Stuttgart and the DESY at Hamburg offer a joint position for Ph.D. student (three years with the possibility for extension), in cooperation with the Faculty of Chemistry at the University of Stuttgart. The research project aims at structural investigations of bulk cement and synthetic cement binder phases using pair distribution function (PDF) analysis and general X-ray powder diffraction in the laboratory and at the synchrotron. The position is within the framework of the RICIMER project on **R**oman **I**nspired **C**ement **I**nnovation by **M**ultianalytical **E**nhanced **R**esearch funded jointly by the Max Planck and Fraunhofer societies. Funding of the position is provided by the Max Planck society and the Helmholtz society (Desy synchrotron). The position is available starting March 1st, 2022. The successful applicant will receive a salary according to the funding guidelines for doctoral researchers of the Max Planck Society and Desy (2/3 TVÖD E-13). The position is located for a maximum of two years at Hamburg and two years at Stuttgart.



The candidate should have a strong background in chemistry, material science, mineralogy or physics, Short motivational letter and a short CV should be sent to Prof. Robert Dinnebier (r.dinnebier@fkf.mpg.de) and Dr. Martin Etter (martin.etter@desy.de) preferably by E-mail. The Max Planck Society and the Helmholtz society are committed to employing more disabled individuals and especially encourages them to apply. The Max Planck Society and the Helmholtz society seeks to increase the number of women in those areas where they are under-represented, and therefore explicitly encourages women to apply.

Stuttgart, 13.12.2021
Sgb. II KiM/ba
Stellenausschreibung Nr. 15.21.

Grundzertifikat 2006
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