University of Cologne

Seismological Station Bensberg

Applications are invited for an open position as a

Doctoral Student

(wissenschaftliche/r Mitarbeiter/in)
(TV-L 13, ½ position = 19.25 hours per week)

We offer an employment contract for 3 years starting spring 2012

An essential part of the research activities of the candidate will be dedicated to his/her work on a dissertation project. This work will be part of a research project on **Archaeoseismological Studies in Midea and Tiryns, Greece** concerned with the possible seismogenic cause of the decline of the great Mycenaean palaces of the Argolis.

Tasks:

- Contribute to the planning, organization and transaction of field work in Greece including passive and active seismic experiments and laserscanning
- Modeling of the seismotectonic environment of the Argolis
- Damage analysis of the ruins in Midea and Tiryns based on 3D laserscans
- Contribute to a 3D model for seismic wave propagation and site effects
- Work in close cooperation with archaeologists from Heidelberg University (Prof. J. Maran) and geophysicists from LMU (Prof. H. Igel)
- Present and publish scientific results

Qualifications:

- Master (or equivalent) in Geophysics, or other quantitative Earth science, or Physics
- Deep interest in archaeoseismology
- Strong experimental background and basic programming skills
- Good command of English language
- Drivers license

The office will be located at the Seismological Station Bensberg (www.seismo.uni-koeln.de)

Applications from women and disabled persons are particularly welcome. Women and disabled persons with equal qualifications, competence and professional achievements to other applicants will be treated preferentially as long as no other applicants offer significant reasons that take precedence.

Closing date for applications is 15.01.2012. Interested candidates should send their applications (in English or German language, preferably by email) or inquiries to:

Prof. Dr. Klaus-G. Hinzen
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