CARL VON OSSIETZKY universität OLDENBURG

Fakultät II *Informatik, Wirtschafts- und Rechtswissenschaften*
Department für Informatik

Kolloquium

Am Dienstag**, dem 28.05.2013,** um **16:00 Uhr** hält

Dr. Frederic Zamkotsian,
Laboratoire d'Astrophysique de Marseille, Université de Provence, Marseille, France

einen Vortrag mit dem Titel

MOEMS devices in next generation astronomical instrumentation

Der Vortrag findet in A1 3-330 statt.

Abstract:

Micro-Opto-Electro-Mechanical Systems (MOEMS) could be key components in future generation of astronomical instruments, in ground-based as well as space telescopes. MOEMS devices are based on the mature micro-electronics technology and in addition to their compactness, scalability, and specific task customization, they could generate new functions not available with current technologies. I will present several developments on-going at LAM in collaboration with micro-technology laboratories, including micro-mirror arrays for multi-object spectroscopy and programmable diffraction gratings for programmable spectrographs.

Short biography:

Frederic Zamkotsian received the PhD degree in Physics in 1993 from the University of Marseilles (France). Since, he has worked in the field of opto-electronics and semiconductor physics for optical telecommunication in France and in Japan. In 1998, he joined the Laboratoire d'Astrophysique de Marseille where he is involved in conception of new MOEMS devices as well as in characterization of these components for ground-based and space telescopes. His current interests are in programmable slits for application in multi-object spectroscopy, deformable mirrors for adaptive optics, and programmable gratings for spectral tailoring.

Eingeladen von: Prof. Dr. Sergei Fatikow