

Prof. Dr. F. Cichos
Prof. Dr. B. Rosenow



UNIVERSITÄT LEIPZIG
Fakultät für Physik und Geowissenschaften

Physik-Kolloquium

Dienstag, den 12.04.2011, 17:00 Uhr

Prof. Dr. Ramin Golestanian

Department of Physics and the Rudolf Peierls Centre for Theoretical Physics,
St. Cross College, Oxford

From Microswimmers to Nanoswimmers: The Role of Fluctuations

The directed propulsion of small scale objects in water is problematic because of the combination of low Reynolds numbers and strong thermal fluctuations at these length scales. We introduce simple prototypes of model low-Reynolds-number swimmers and examine their physical properties. We also discuss a number of recent experimental realizations of such devices.

Ort: Hörsaal für Theoretische Physik, Linnéstraße 5

Alle Teilnehmer sind ab 16:30 Uhr zu Kaffee und Kuchen in die Aula eingeladen.