

Kolloquium

Am Dienstag, dem 27. November 2012, um 15:30 Uhr hält

Professor Stéphane Régnier
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Institut des Systèmes Intelligents et Robotique (ISIR), Paris, Frankreich

einen Vortrag mit dem Titel

Microrobotics, microrobots: interactive systems for small scales

Der Vortrag findet im Raum A1-3-330 statt.

Abstract:

In this presentation, I will show the research activities in the microrobotics team of the Institut of Intelligent System and Robotics (ISIR, Paris, France). This presentation will focus on several aspects of our activities, microphysics and simulations, design of microrobotic platforms, micro/nanomanipulations with force spectroscopy and haptics for the micro and nanoscales. Particularly, complicated micro/nanoscale manipulation and teleoperated 3-D microassembly of spherical objects with haptic feedback will be presented.

Short biography:

Stéphane Régnier received a Ph.D. from the Université Pierre and Marie Curie, Paris in 1996 and the Habilitation from the Université Pierre and Marie Curie, Paris, (Manipulation at the microscopic and nanoscopic scales) in 2006. Since 2008 he is Professor at the Université Pierre et Marie Curie and head of the MAP research division at ISIR (~12 persons). In 2010, he was appointed chair of the Graduate School 'Electronics, Mechanics and Robotics' (200 Ph.D students). He was leader of several experimental projects in France. He is author or co-author of four books, seven chapters of book, 51 scientific articles, four international patents and 86 international conference papers. His recent publications are available online at <http://people.isir.upmc.fr/regnier>.



Eingeladen von: Prof. Dr.-Ing.habil. Sergej Fatikow