

Sondervortrag

Am Montag, dem 6. Juni 2011, um 17:15 Uhr hält

Prof. Nicolas CHAILLET

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einen Vortrag mit dem Titel

Microrobotics at FEMTO-ST: from mechatronics to micromanipulation

Der Vortrag findet im OFFIS F02 statt.

Zusammenfassung:

After a short presentation of FEMTO-ST Institute, N. Chaillet will focus on the microrobotic issues more specifically addressed at FEMTO-ST. The talk will cover several aspects of the microrobotics area:

- microactuators and their control: mainly piezoelectric. Magnetic shape memory alloys will be also mentionned), self-sensing for piezoactuators;
- micromechatronics: design of piezostructures using dynamic criteria, digital microrobots based on bistable modules;
- microhandling: piezoelectric microgripper, liquid environment (ice microgripper, use of dielectrophoresis, use of air bubbles);
- micromanipulation, microassembly (example of micro-optical workbenches).

Eingeladen von: Prof. Dr. Sergej Fatikow