

MECHANICS OF MICRO- CANTILEVERS



Image courtesy of Dr. Andreas Schneider, Micro and Nanotechnology Centre, STFC

This new on-line course has been elaborated within the European FP6 project Pronano. It is available on the web and accessible via a personal password. Learning time is about one hour.

OBJECTIVES

- To provide the foundations for understanding the mechanical behaviour of microcantilever actuators and sensors.
- To present an overview of materials and structures and their application to passive and dynamic operation.
- To disseminate knowledge and competences from inside the FP6 Pronano project to a wider industrial, academic and public forum.

CONTENT

- Material Properties
- Material Examples
- Static Beam Bending
- Static Multilayer Beams

ON-LINE COURSE: MECHANICS OF MICROCANTILEVERS

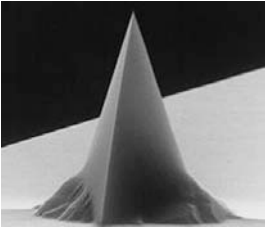


Image courtesy of Nanoworld

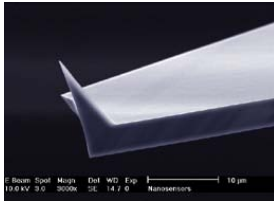


Image courtesy of Nanoworld

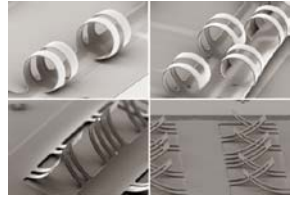


Image courtesy of Dr. Vladislav Djakov,
Micro and Nanotechnology Centre, STFC

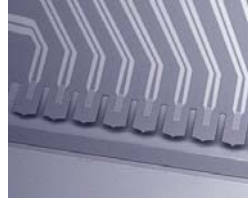


Image courtesy of Mr Richard Dunn,
Micro and Nanotechnology Centre, STFC

TARGET GROUP

The course addresses researchers and engineers from companies or institutes with expertise outside micro- and nano-technology, who are interested in the fundamental background or/and exploitation of microcantilever technology. We also encourage those actively working in the fields of micro- and nano-technology but who are new to the field of microcantilevers to participate.

REGISTRATION

Please register by e-mail to fsrcm@fsrcm.ch. You will then receive your personal password.

FEES

Thanks to the support of the European FP6 project Pronano, the access to the course is free of charge.

FURTHER COURSES

On-line course *Introduction to Microcantilever Applications*.

More details: www.fsrcm.ch

To receive information on upcoming courses in microtec and nanotec, mailto: training@fsrcm.ch

PRONANO

(Technology for the **P**roduction of Massively Parallel Intelligent Cantilever Probe Platforms for **N**anoscale Analysis and Synthesis) is an Integrated Project of the European FP6 programme.

More information: www.pronano.org