



ANR MECANIX

meeting 2014

11th June

POLYTEC conference room, Grenoble

SFINX :

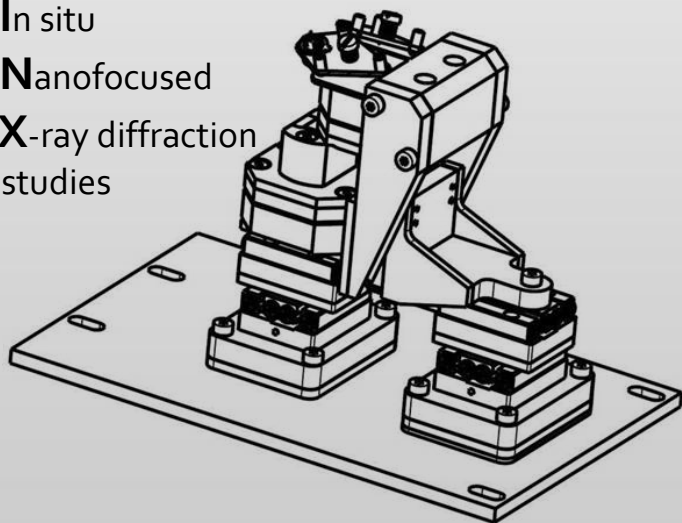
Scanning

Force microscope for

In situ

Nanofocused

X-ray diffraction
studies



List of speakers:

O.Thomas (Im2np, Marseille)

T. Cornelius (Im2np, Marseille)

J.-M. Roussel (Im2np, Marseille)

J. Eymery (CEA/INAC Grenoble)

G. Richter (MPI, Stuttgart)

M. Verdier (SIMaP, Grenoble)

V. Favre-Nicolin (CEA/INAC Grenoble)

D. Le Bolloch (LPS, CNRS Orsay)

M. Dupraz (SIMaP, Grenoble)

T. Schüllli (ESRF, Grenoble)



MECANIX Open Workshop

June 11, 2014

Grenoble

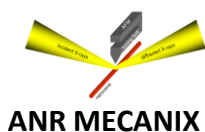
08:30 – Welcome

- 09:00 – 09:30 – Mechanical properties in the light of nano X-ray beams:
The MECANIX project – O. Thomas
- 09:30 – 10:00 – SFINX : A new tool for investigating mechanical prop. of nanostructures
– T. Cornelius
- 10:00 – 10:30 – Displacement field of a screw dislocation in a [110] Cu nanowire:
An atomistic study – J-M. Roussel
- 10:30 – 11:00 – Coffee break
- 11:00 – 11:30 – The use of synchrotron beams to improve the growth of wire-based nitride
heterostructures – J. Eymery
- 11:30 – 12:00 – Growth of metal nanowires – G. Richter
- 12:00 – 12:30 – Growth and characterisation of metallic islands – M. Verdier
- 14:00 – 14:30 – Strain in semiconductor nano-structures using coherent X-rays – V. Favre-Nicolin
- 14:30 – 15:00 – Coherent X-ray Diffraction: looking at individual defects – D. Le Bolloch
- 15:00 – 15:30 – Single defect signatures in coherent X-ray diffraction patterns – M. Dupraz
- 15:30 – 16:00 – Outlook : new possibilities coming up at ESRF – T. Schüllli
- 16:00 – 16:30 – Coffee break
- 16:30 – Final remarks and closing

POLYTEC conference room
60 rue des Berges
38000 Grenoble

Please register at :

http://www.im2np.fr/colloques/ANR_Mecanix_Grenoble2014/
(free registration)



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