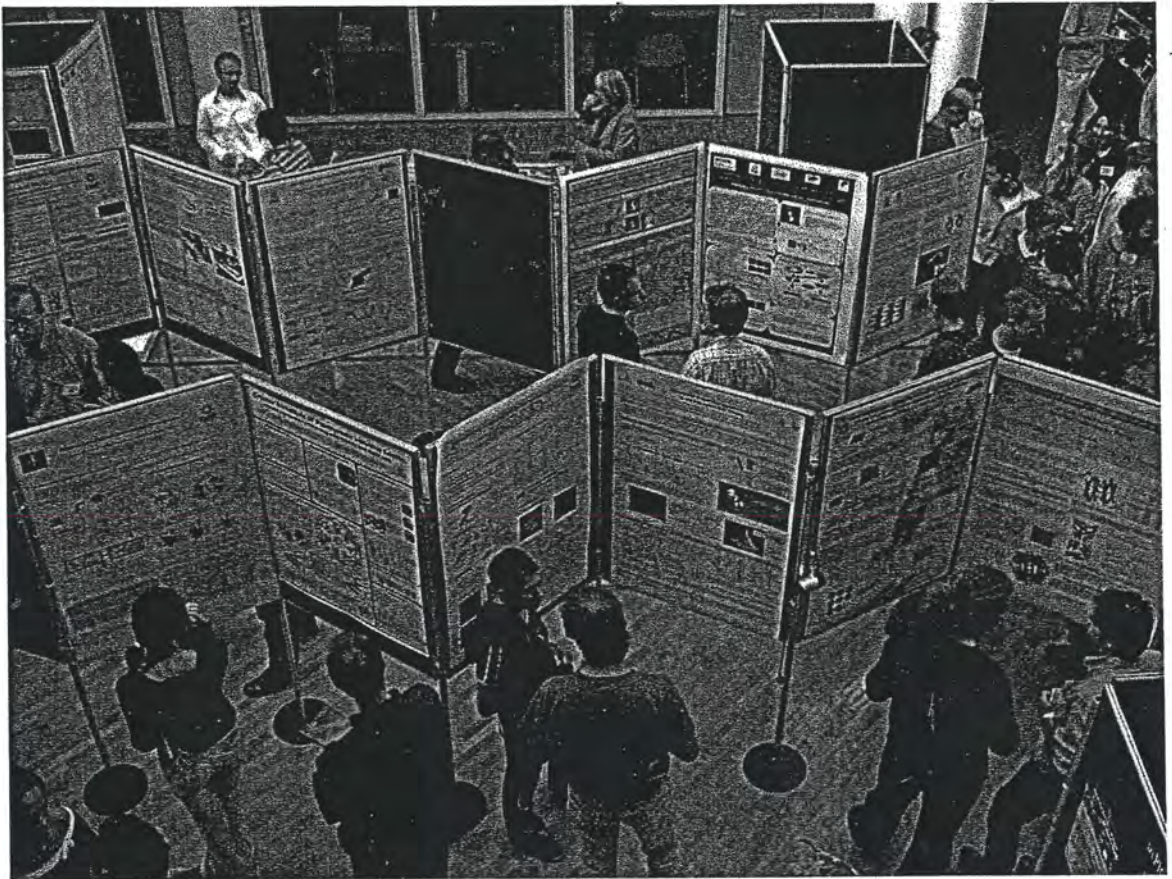


Experiments Division Students' Day

20th October 2006



Organisers:

Claudine Brun
Eva Jahn
Oleg Konovalov
Fabrice Wilhelm

Materials Science

- 1 Developments on the large volume apparatus on ID27: applications to the Fe-FeS system and geophysical implications
Guillaume Morard (ID27)
- 2 Substrate effects on the interface melting of ice
Sebastian Schöder (ID15)
- 3 Studying the growth of complex oxide thin films using pulsed laser deposition and X-ray diffraction
Paul Tinnemans (ID15)

Macromolecular Crystallography

- 4 New fluorescent proteins photoconvertible from a colour to another: the example of EosFP
Virgile Adam (ID14)
- 5 Structural studies of HP0496 from *Helicobacter pylori*
Alessandro Angelini (ID14, ID29 & ID23)
- 6 The study of Par A and Par B proteins from *Deinococcus radiodurans*
Sarah Cake (PSB Lab)
- 7 Study of protein/protein interactions from *Helicobacter pylori* DNA replication machinery
Steven Clarke (PSB Lab)
- 8 The crystal structure of the Dps-2 from *Deinococcus radiodurans*
Maxime Cuypers (ID14, ID29 & ID23)
- 9 New facilities for X-ray and neutron studies of DNA-Drug complexes
Ricardo Leal (ID23)
- 10 Cloning, expression and crystallisation of the general stress protein from *Deinococcus radiodurans*
Claire Waterston (ID14, ID29 & ID23)

Soft-Condensed Matter

- 11 Thermal stability of *Bombyx mori* silk
Anne Martel (ID13)
- 12 Rotator-crystalline phase transition in organic monolayers on liquid substrates
Lutz Wiegart (ID10B)