

USERS' MEETING 2014

X-RAY IMAGING PARALLEL SESSION

Venue: *Maison des magistères, CNRS*

Organisers:

Marine COTTE (ESRF Group Leader)

Paola COAN (Ludwig Maximilian University & Users Organization)

For further information, please contact

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TUESDAY 4 FEBRUARY 2014

14:00 – 15:55 and 16:20 – 17:45

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|----------------------|---|--|
| 14:00 - 14:15 | Introduction & presentation of the X-ray imaging group | Marine COTTE ESRF, Grenoble, France |
| 14:15 - 14:40 | Fate of nanoparticles in plants: contribution of spectroscopic techniques | Camille LARUE Ruhr-Universität Bochum Germany |
| 14:40 - 15:05 | Near-field ptychography: phase retrieval for inline holography using a structured illumination | Marco STOCKMAR Technische Universität München, Germany |
| 15:05 - 15:30 | X-Ray nano probe of implanted semiconductor nanowires | Andreas JOHANNES Friedrich-Schiller-Universität Jena, Germany |
| 15:30 – 15:55 | Edge illumination phase-contrast imaging: increased sensitivity at synchrotrons and simpler translation to lab-based systems | Sandro OLIVO University College London, United Kingdom |
| 15:55-16:20 | COFFEE BREAK | |
| 16:20 – 16:40 | Observation of embolism formation and spreading in plants using synchrotron based X-ray micro computed tomography | Eric BADEL French National Institute for Agricultural Research, Université Blaise Pascal, France |
| 16:40 - 17:00 | Ex-situ synchrotron imaging of cracks in self-healing glassy matrix | François MEAR Université Lille Nord de France, UMR CNRS 8181, France |
| 17:00 - 17:20 | X-ray imaging of internal organs of early Miocene freshwater ostracods (Crustacea) from the Riversleigh area in Queensland, Australia | Renate MATZKE-KARASZ Ludwig-Maximilian-University Munich and Geo-Bio-Center, Germany |
| 17:20 - 17:45 | Upgrade presentation (15 min) + Discussion (10 min) | Alexander RACK ESRF, Grenoble, France |