

# Science 3D

**Monday 02 June 2014**

## **Welcome - FLASH Seminar Room (12:40-13:00)**

time	title	presenter
12:40	Welcome DESY	Prof. WECKERT, Edgar
12:50	Welcome HZG	Prof. SCHREYER, Andreas

## **Engineering, Environment, Palaeontology - FLASH Seminar Room (13:00-14:50)**

**- Conveners: Prof. Müller, Bert**

time	title	presenter
13:00	Introduction and Applications of Synchrotron Tomography	Prof. HAIBEL, Astrid
13:30	3D analysis of deformation and damaging by processing of tomographic images	NELLESEN, Jens
13:50	Analyzing wood microstructure by SR $\mu$ CT	Prof. LAUTNER, Silke
14:10	The inner space of soil aggregates - What can we learn from SR $\mu$ CT to better understand soil processes	Prof. PETH, Stefan
14:30	Computed tomography in palaeontology - study of fossils from the Upper Jurassic of Portugal and from the Late Permian of Mozambique	Dr. MARTINS, Rui

## **Open Access Science3d - FLASH Seminar Room (14:50-15:20)**

time	title	presenter
14:50	Science 3D project	Dr. SCHLUENZEN, Frank

## **Bio-Materials - FLASH Seminar Room (15:50-17:10)**

time	title	presenter
15:50	X-ray phase-contrast imaging and its applications	Dr. HERZEN, Julia
16:20	SR $\mu$ CT of human tissues, medical implants, and their interfaces	Prof. MÜLLER, Bert
16:50	SR $\mu$ CT of Mineralized Tissues	Prof. DALSTRA, Michel

## **Entomology, Zoology - FLASH Seminar Room (17:30-18:30)**

time	title	presenter
17:30	The use of SR $\mu$ CT as a powerful technique for the reconstruction of insect anatomy and evolution	Dr. FRIEDRICH, Frank
17:50	SR $\mu$ CT as a tool in modern zoological functional morphology and developmental studies	Dr. HAMMEL, Jörg
18:10	Insights on the inside: vertebrate SR $\mu$ CT imaging and beyond	Dr. KLEINTEICH, Thomas

## **BBQ - FLASH Seminar Room (18:30-20:00)**

## Tuesday 03 June 2014

### **Welcome - FLASH Seminar Room (09:00-09:10)**

time	title	presenter
09:00	Welcome	Prof. MÜLLER, Martin

### **Beamlines - FLASH Seminar Room (09:10-12:00)**

- Conveners: Müller, Martin

time	title	presenter
09:10	Imaging at GEMSP	Dr. BECKMANN, Felix
09:30	SR $\mu$ CT at IBL	Dr. WILDE, Fabian
09:50	Nano imaging at IBL	OGURRECK, Malte
10:10	SR $\mu$ CT at HEMS	Dr. BECKMANN, Felix HIPPE, Alexander
10:30	Coffee break	
11:00	Sample Environment	Dr. WILDE, Fabian
11:20	New X-ray optics for imaging	Dr. GREVING, Imke
11:40	Mapper Status + First results	FISCHER, Torben Dr. LIENERT, Ulrich

### **Technical developments - FLASH Seminar Room (13:30-15:00)**

- Conveners: Schreyer, Andreas

time	title	presenter
13:30	The UFO-DAQ-Framework for high performance data acquisition in synchrotron applications	Dr. KOPMANN, Andreas
14:00	Technical Developments for SR $\mu$ CT	Dr. BECKMANN, Felix
14:20	Technical Developments for DPCI	ZDORA, Marie-Christine
14:40	IBL / HEMS @ PETRA III, Time Schedules	Dr. BECKMANN, Felix

### **Users results, feedback, requirements - FLASH Seminar Room (15:30-17:00)**

time	title	presenter
15:30	Users results, feedback, requirements	

### **Discussion - FLASH Seminar Room (17:00-17:30)**

# **Wednesday 04 June 2014**

## **Introduction - FLASH Seminar Room (09:00-09:10)**

- Presenters: Dr. BECKMANN, Felix

## **Software Pipeline - FLASH Seminar Room (09:10-09:30)**

- Presenters: KHOKHRIAKOV, Igor

## **Practical Introduction to Parallel Computing with the UFO-Framework - FLASH Seminar Room (09:30-10:00)**

- Presenters: VOGELGESANG, Matthias

## **Data preparation for Rapid Prototyping - FLASH Seminar Room (11:00-11:20)**

- Presenters: Dr. FRIEDRICH, Frank

## **Computing Resources at DESY - FLASH Seminar Room (11:20-11:40)**

- Presenters: Dr. APLIN, Steve

## **Summary and Conclusion - FLASH Seminar Room (11:40-12:00)**