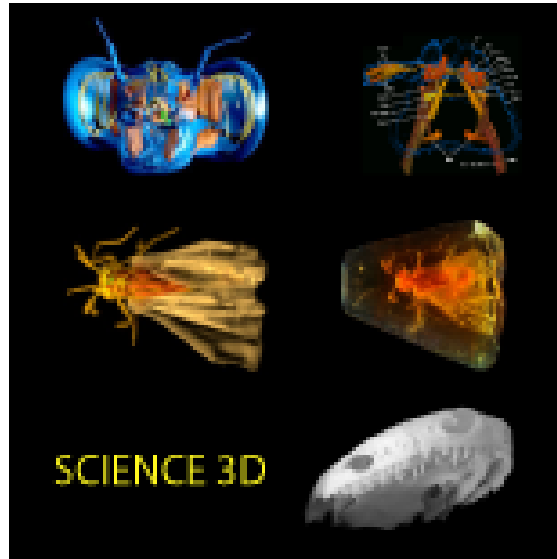


# Science 3D



## Report of Contributions

Contribution ID: 0

Type: **not specified**

# Welcome DESY

*Monday 2 June 2014 12:40 (10 minutes)*

**Presenter:** Prof. WECKERT, Edgar (DESY)

**Session Classification:** Welcome

Contribution ID: 1

Type: **not specified**

# Welcome HZG

*Monday 2 June 2014 12:50 (10 minutes)*

**Presenter:** Prof. SCHREYER, Andreas (HZG)

**Session Classification:** Welcome

Contribution ID: 2

Type: **not specified**

## Summary and Conclusion

*Wednesday 4 June 2014 11:40 (20 minutes)*

Contribution ID: 3

Type: **not specified**

# Introduction and Applications of Synchrotron Tomography

*Monday 2 June 2014 13:00 (30 minutes)*

**Presenter:** Prof. HAIBEL, Astrid (Beuth-Hochschule für Technik Berlin)

**Session Classification:** Engineering, Environment, Palaeontology

Contribution ID: 4

Type: **not specified**

## **3D analysis of deformation and damaging by processing of tomographic images**

*Monday 2 June 2014 13:30 (20 minutes)*

**Presenter:** NELLESEN, Jens (Universität Dortmund)

**Session Classification:** Engineering, Environment, Palaeontology

Contribution ID: 5

Type: **not specified**

## Analyzing wood microstruture by SR $\mu$ CT

*Monday 2 June 2014 13:50 (20 minutes)*

**Presenter:** Prof. LAUTNER, Silke (Eberswalde University for Sustainable Development)

**Session Classification:** Engineering, Environment, Palaeontology

Contribution ID: 6

Type: **not specified**

## **The inner space of soil aggregates - What can we learn from SR $\mu$ CT to better understand soil processes**

*Monday 2 June 2014 14:10 (20 minutes)*

**Presenter:** Prof. PETH, Stefan (Universität Kassel)

**Session Classification:** Engineering, Environment, Palaeontology

Contribution ID: 7

Type: **not specified**

## Science 3D project

*Monday 2 June 2014 14:50 (30 minutes)*

**Presenter:** Dr SCHLUENZEN, Frank (DESY)

**Session Classification:** Open Access Science3d

Contribution ID: 8

Type: **not specified**

## Education

Contribution ID: 9

Type: **not specified**

# **X-ray phase-contrast imaging and its applications**

*Monday 2 June 2014 15:50 (30 minutes)*

**Presenter:** Dr HERZEN, Julia (TU München)

**Session Classification:** Bio-Materials

Contribution ID: **10**

Type: **not specified**

## **SR $\mu$ CT of human tissues, medical implants, and their interfaces**

*Monday 2 June 2014 16:20 (30 minutes)*

**Presenter:** Prof. MÜLLER, Bert (University of Basel)

**Session Classification:** Bio-Materials

Contribution ID: 11

Type: **not specified**

## SR $\mu$ CT of Mineralized Tissues

*Monday 2 June 2014 16:50 (20 minutes)*

**Presenter:** Prof. DALSTRA, Michel (University of Aarhus)

**Session Classification:** Bio-Materials

Contribution ID: 12

Type: **not specified**

## **The use of SR $\mu$ CT as a powerful technique for the reconstruction of insect anatomy and evolution**

*Monday 2 June 2014 17:30 (20 minutes)*

**Presenter:** Dr FRIEDRICH, Frank (Universität Hamburg)

**Session Classification:** Entomology, Zoology

Contribution ID: 13

Type: **not specified**

## **SR $\mu$ CT as a tool in in modern zoological functional morphology and developmental studies**

*Monday 2 June 2014 17:50 (20 minutes)*

**Presenter:** Dr HAMMEL, Jörg (Universität Jena)

**Session Classification:** Entomology, Zoology

Contribution ID: 14

Type: **not specified**

## **Insights on the inside: vertebrate SR $\mu$ CT imaging and beyond**

*Monday 2 June 2014 18:10 (20 minutes)*

**Presenter:** Dr KLEINTEICH, Thomas (Universität Kiel)

**Session Classification:** Entomology, Zoology

Contribution ID: 15

Type: **not specified**

## **Computed tomography in palaeontology - study of fossils from the Upper Jurassic of Portugal and from the Late Permian of Mozambique**

*Monday 2 June 2014 14:30 (20 minutes)*

**Presenter:** Dr MARTINS, Rui (Universitt Lissabon)

**Session Classification:** Engineering, Environment, Palaeontology

Contribution ID: **16**

Type: **not specified**

# Welcome

*Tuesday 3 June 2014 09:00 (10 minutes)*

**Presenter:** Prof. MÜLLER, Martin (HZG)

**Session Classification:** Welcome

Contribution ID: 17

Type: **not specified**

## Imaging at GEMSP

*Tuesday 3 June 2014 09:10 (20 minutes)*

**Presenter:** Dr BECKMANN, Felix (Helmholtz-Zentrum Geesthacht)

**Session Classification:** Beamlines

Contribution ID: **18**

Type: **not specified**

## SR $\mu$ CT at IBL

*Tuesday 3 June 2014 09:30 (20 minutes)*

**Presenter:** Dr WILDE, Fabian (HZG)

**Session Classification:** Beamlines

Contribution ID: **19**

Type: **not specified**

## Nano imaging at IBL

*Tuesday 3 June 2014 09:50 (20 minutes)*

**Presenter:** OGURRECK, Malte (HZG)

**Session Classification:** Beamlines

Contribution ID: 20

Type: **not specified**

## SR $\mu$ CT at HEMS

*Tuesday 3 June 2014 10:10 (20 minutes)*

**Presenters:** HIPPE, Alexander (HZG); Dr BECKMANN, Felix (Helmholtz-Zentrum Geesthacht)

**Session Classification:** Beamlines

Contribution ID: 21

Type: **not specified**

## Sample Environment

*Tuesday 3 June 2014 11:00 (20 minutes)*

**Presenter:** Dr WILDE, Fabian (HZG)

**Session Classification:** Beamlines

Contribution ID: 22

Type: **not specified**

## **New X-ray optics for imaging**

*Tuesday 3 June 2014 11:20 (20 minutes)*

**Presenter:** Dr GREVING, Imke

**Session Classification:** Beamlines

Contribution ID: 23

Type: **not specified**

## Mapper Status + First results

*Tuesday 3 June 2014 11:40 (20 minutes)*

**Presenters:** FISCHER, Torben (HZG); Dr LIENERT, Ulrich (DESY)

**Session Classification:** Beamlines

Contribution ID: 24

Type: **not specified**

## **The UFO-DAQ-Framework for high performance data acquisition in synchrotron applications**

*Tuesday 3 June 2014 13:30 (30 minutes)*

**Presenter:** Dr KOPMANN, Andreas (KIT)

**Session Classification:** Technical developments

Contribution ID: 25

Type: **not specified**

## Technical Developments for SR $\mu$ CT

*Tuesday 3 June 2014 14:00 (20 minutes)*

**Presenter:** Dr BECKMANN, Felix (Helmholtz-Zentrum Geesthacht)

**Session Classification:** Technical developments

Contribution ID: 26

Type: **not specified**

## Technical Developments for DPCI

*Tuesday 3 June 2014 14:20 (20 minutes)*

**Presenter:** ZDORA, Marie-Christine (TUM)

**Session Classification:** Technical developments

Contribution ID: 27

Type: **not specified**

## **IBL / HEMS @ PETRA III, Time Schedules**

*Tuesday 3 June 2014 14:40 (20 minutes)*

**Presenter:** Dr BECKMANN, Felix (Helmholtz-Zentrum Geesthacht)

**Session Classification:** Technical developments

Contribution ID: **28**

Type: **not specified**

## Discussion

*Tuesday 3 June 2014 17:00 (30 minutes)*

Contribution ID: 29

Type: **not specified**

## Introduction

*Wednesday 4 June 2014 09:00 (10 minutes)*

**Presenter:** Dr BECKMANN, Felix (Helmholtz-Zentrum Geesthacht)

Contribution ID: **30**

Type: **not specified**

## Software Pipeline

*Wednesday 4 June 2014 09:10 (20 minutes)*

**Presenter:** KHOKHRIAKOV, Igor (HZG)

Contribution ID: 31

Type: **not specified**

## **Practical Introduction to Parallel Computing with the UFO-Framework**

*Wednesday 4 June 2014 09:30 (30 minutes)*

**Presenter:** VOGELGESANG, Matthias (KIT)

Contribution ID: 32

Type: **not specified**

## Data preparation for Rapid Prototyping

*Wednesday 4 June 2014 11:00 (20 minutes)*

**Presenter:** Dr FRIEDRICH, Frank

Contribution ID: 33

Type: **not specified**

## Computing Resources at DESY

*Wednesday 4 June 2014 11:20 (20 minutes)*

**Presenter:** Dr APLIN, Steve (DESY)

Contribution ID: **34**

Type: **not specified**

## **BBQ**

*Monday 2 June 2014 18:30 (1h 30m)*

Contribution ID: 35

Type: **not specified**

## Users results, feedback, requirements

*Tuesday 3 June 2014 16:15 (45 minutes)*

**Session Classification:** Users results, feedback, requirements

Contribution ID: 36

Type: **not specified**

## **Synchrotron uCT scans allow an unprecedented insight into insect morphology and evolution**

*Tuesday 3 June 2014 15:30 (45 minutes)*

**Presenter:** RÜHR, Peter (Zoological Research Museum Alexander Koenig Bonn, Centre for Molecular Biodiversity Research)

**Session Classification:** Users results, feedback, requirements