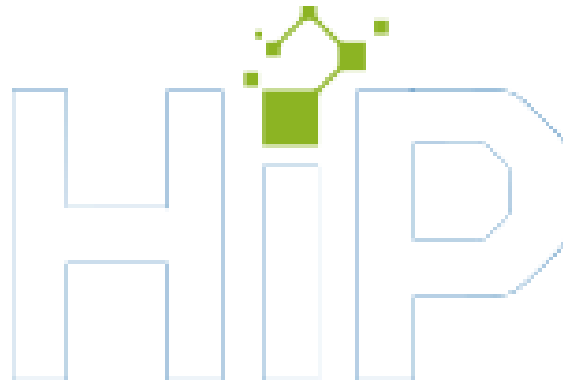


Helmholtz Imaging Virtual Conference 2021



Report of Contributions

Contribution ID: 3

Type: **not specified**

Key note by Dr. Paul Tafforeau - Title: "From fossils to human organs, development of synchrotron phase-contrast hierarchical imaging at the ESRF"

Thursday 23 September 2021 11:15 (1 hour)

From fossils to human organs, development of synchrotron phase-contrast hierarchical imaging at the ESRF.

Presenter: Dr TAFFOREAU, Paul (ESRF)

Contribution ID: 7

Type: **not specified**

Opening and Welcome

Thursday 23 September 2021 09:30 (15 minutes)

Presenter: Prof. SCHROER, Christian

Contribution ID: 8

Type: **not specified**

Hyper 3D-AI: Artificial Intelligence for 3D multimodal point cloud classification

Thursday 23 September 2021 09:45 (15 minutes)

Primary author: Dr LORENZ, Sandra (HZDR)

Presenter: Dr LORENZ, Sandra (HZDR)

Contribution ID: 9

Type: **not specified**

Towards a deep-learning-based approach for improving landslide detection using Synthetic Aperture Radar Data.

Thursday 23 September 2021 10:00 (15 minutes)

Primary author: Prof. MOTAGH, Mahdi (GFZ)

Presenter: Prof. MOTAGH, Mahdi (GFZ)

Contribution ID: **10**

Type: **not specified**

Solar Image-Based Modelling

Thursday 23 September 2021 10:15 (15 minutes)

Primary authors: Prof. SHPRITS, Yuri (GFZ); Dr INCEOGLU, Fadil (GFZ)

Presenters: Prof. SHPRITS, Yuri (GFZ); Dr INCEOGLU, Fadil (GFZ)

Contribution ID: 11

Type: **not specified**

Geophysical Joint Inversion for Accurate Brain Myelin Mapping (JIMM)

Thursday 23 September 2021 10:30 (15 minutes)

Primary author: Prof. STÖCKER, Tony (DZNE)

Presenter: Prof. STÖCKER, Tony (DZNE)

Contribution ID: **12**

Type: **not specified**

HIP Modalities

Thursday 23 September 2021 10:45 (15 minutes)

Primary author: Dr HEUSER, Philipp (Helmholtz Imaging)

Presenter: Dr HEUSER, Philipp (Helmholtz Imaging)

Contribution ID: 13

Type: **not specified**

Breaking resolution limit of electron microscopy for magnetic materials

Thursday 23 September 2021 13:30 (15 minutes)

Primary author: Dr MU, Xiaoke (KIT)

Presenter: Dr MU, Xiaoke (KIT)

Contribution ID: **14**

Type: **not specified**

Advanced table-top XUV and soft X-ray microscopy

Thursday 23 September 2021 13:45 (15 minutes)

Primary author: ESCHEN, Wilhelm (Helmholtz Institute Jena)

Presenter: ESCHEN, Wilhelm (Helmholtz Institute Jena)

Contribution ID: 15

Type: **not specified**

SATOMI –Tackling the segmentation and tracking challenges of growing colonies and microbial diversity

Thursday 23 September 2021 14:00 (15 minutes)

Primary author: SCHERR, Tim (FZJ)

Presenter: SCHERR, Tim (FZJ)

Contribution ID: **16**

Type: **not specified**

SyNaToSe

Thursday 23 September 2021 14:15 (15 minutes)

Presenter: Dr KAINMÜLLER, Dagmar (MDC)

Contribution ID: 17

Type: **not specified**

Interactive Machine Learning at Helmholtz Imaging

Thursday 23 September 2021 14:30 (15 minutes)

Primary author: Dr JÄGER, Paul (Helmholtz Imaging)

Presenter: Dr JÄGER, Paul (Helmholtz Imaging)

Contribution ID: **18**

Type: **not specified**

Ultra Content Screening –a multiplex immunoassay

Thursday 23 September 2021 15:00 (15 minutes)

Primary author: CRESPO LÓPEZ-URRUTIA, Gabriel (FZJ)

Presenter: CRESPO LÓPEZ-URRUTIA, Gabriel (FZJ)

Contribution ID: 19

Type: **not specified**

The Hidden Image of Thawing Permafrost: Mapping Subsurface Properties and Taliks with Remote Sensing

Thursday 23 September 2021 15:15 (15 minutes)

Primary author: Dr GRÜNBERG, Inge (AWI)

Presenter: Dr GRÜNBERG, Inge (AWI)

Contribution ID: 20

Type: **not specified**

Neuroimaging biomarkers for Restless Legs Syndrome: first steps

Thursday 23 September 2021 15:30 (15 minutes)

Presenter: PROF KONRAD OEXLE AND DR KAUSTUBH R. PATIL

Contribution ID: **21**

Type: **not specified**

t.b.a.

Contribution ID: 22

Type: **not specified**

Tools for image data solutions across scales

Thursday 23 September 2021 15:45 (15 minutes)

Primary author: Dr HARRINGTON, Kyle (Helmholtz Imaging)

Presenter: Dr HARRINGTON, Kyle (Helmholtz Imaging)