Contribution ID: **24** Type: **not specified**

Poster Session

Tuesday 31 May 2022 17:45 (1h 15m)

UTILE project: Autonomous Image Analysis to Accelerate the Discovery and Integration of Energy Materials; *Andre Colliard Granero*; IEK-13, FZJ

PtyNAMi - Ptychographic Nano-Analytical Microscope; *Andreas Schropp*; Center for X-ray and Nano Science CXNS, DESY

Towards distributed imaging for autonomous seismic surveys in multi-agent networks; *Ban-Sok Shin*; DLR

In situ nanotomographic X-ray imaging of magnesium implant degradation; *Berit Zeller-Plumhoff*; Hereon

Correlative Microscopy of the Rhizosphere - Progress and Challenges; *Chaturanga D. Bandara*; UFZ

Initial results using neuroimaging features to predict the genetic risk of RLS; *Federico Raimondo*; INM-7, FZJ

Computational and machine learning approaches for the genetic analysis of histological images; *Francesco Paolo Casale*; Helmholtz Munich

Federated Learning for Data and Model Privacy in Cloud; *Hussain Ahmad Madni*; University of Udine

Mapping Arctic treeline vegetation using LiDAR data in the Mackenzie Delta area, Canada; *Inge Günberg*; AWI

Multi-axes fusing for uncertainty estimation and improved segmentation of biodegradable bone implants in SRμCTs; *Ivo Matteo Baltruschat*; Research and Innovation in Scientific Computing, DESY

MRI reveals brain ventricle expansion in pediatric patients with acute disseminated encephalomyelitis; *Jason Millward*; MDC

Performance Portable Reconstruction of Ptychography Data with the Alpaka C++ Library; *Jiri Vyskocil*; CASUS, HZDR

Nuclear Verification from Space - Change Detection using Machine Learning and Sentinel-2 Imagery; *Lisa Beumer*; FZJ

MemBrain – Analysis of Membranes in Cryo-Electron Tomograms; *Lorenz Lamm*; Helmholtz Munich

Improving Explainability of Disentangled Representations using Multipath-Attribution Mappings; *Lukas Klein*; Helmholtz Imaging

3D Imaging Modalities and Algorithms at the GINIX X-ray microscope; *Markus Osterhoff*; Röntgenphysik Göttingen

Improving convolutional neural network comprehensibility via interactive visualization of relevance maps: evaluation in Alzheimer's disease; *Martin Dyrba*; DZNE

Partially coherent simulations of PETRA IV Beamlines; *Martin Seyrich*; Center for X-ray and Nano Science CXNS, DESY

Multi-dimensional imaging of solar cells with scanning X-ray microscopy; *Michael Stuckelberger*; DESY

Automatized Diffraction Pattern Recognition for Scanning Surface X-Ray Crystallography of Polycrystalline Materials; *Nastasia Mukharamova*; DESY

ObiWan-Microbi & MicrobeSeg: Deep-Learning Tools for Microbial Image Analysis; *Oliver Neumann*; KIT

Automatic Recognition of Dead Sea Geomorphological Features; *Osama Alrabayah*; GEOMAR

Object detection in dehazed Optical and Infrared Images; *Oscar Hernan Ramírez Agudelo*; DLR

The Hidden Image of Thawing Permafrost: project overview and first results of the radar polarimetric analysis; *Paloma Saporta*; DLR

Helmholtz Imaging Modalities; *Philipp Heuser*; Helmholtz Imaging

AI-based Evaluation of cardiac real-time MRI with congenital heart disease; *Philipp Rosauer*; DLR

How to classify single white blood cells in unseen data from different domains?; *Raheleh Salehi*; Politecnico Di Torino

Raw Image space improves Single-Cells Classification in Acute Myeloid Leukemia; *Rao Muhammad Umer*; Institute of Computational Biology (ICB), Helmholtz Munich

The Space-Filling Curve Needle; *Sandro Elsweijer*; German Aerospace Center (DLR)

Simultaneous Mapping of Magnetic and Atomic Structure of Ferromagnets using Ltz-4D-STEM; *Sangjun Kang*; KIT

HistAuGAN: Style Transfer as Stain Augmentation Technique in Histopathology; *Sophia Wagner*; Helmholtz AI

Neuroimaging-Genetics bridge for better understanding of human brain organization; *Talip Yasir Demirtas*; INM-7, FZJ

DELAD: Deep Landweber-guided deconvolution with Hessian and sparse prior; *Tomas Chobola*; Helmholtz Munich

BaSiCPy: a napari plugin for microscopy illumination correction; *Tingying Peng*; Helmholtz Munich

Material-specific table-top EUV ptychography; *Wilhelm Eschen*; Helmholtz Institut Jena

DeStripe: A Self2Self Spatio-Spectral Graph Neural Network with Unfolded Hessian for Stripe Artifact Removal in Light-sheet Microscopy; *Yu Liu*; Technische Universität Munich

I want to give an oral presentation.

I want to present a poster.

Session Classification: Poster Session