Room 10

Session 2-10-1: OS19
Advanced 3 dimensional digital processing I

OS19-01 A Study on Triangular Mesh Generation for TLS Point Clouds Using Implicit and Region-based Methods
Daiki Koyama, Hiroaki Date and Satoshi Kanai

OS19-04 Generation of Training Data from CAD Models Suitable for Component Recognition from Point Clouds of Industrial Plants
Kosei Otani, Takuma Nagumo and Hiroshi Masuda

OS19-03 Comparison of point cloud densification from multi-view stereo and 3D Gaussian splatting in industrial photogrammetry
Mingda Harvey Yang, Mohammed A Isa, Adam Thompson, David T Branson III and Samanta Piano

OS19-06 Point cloud Classification for Components of Industrial Facilities Using Laplacian Features
Takeshi Otsuka, Kosei Otani and Hiroshi Masuda

Session 2-10-2: OS19
Advanced 3 dimensional digital processing II

OS19-08 Scale-aware Volume Filtering by Splitting Transformed Voxel-Domains
Shin Yoshizawa and Hideo Yokota

OS19-05 Point Cloud Segmentation of Production Lines in Factories
Kakeru Takeda and Hiroshi Masuda

OS19-12 Bas-relief shape modeling from RGB-D images using feature lines and vector fields
Takumi Kimura and Yukie Nagai

OS19-02 Quality Improvement of CT Reconstruction for Multi-scanning of Large Scale Objects
Chelhum Park and Yutaka Ohtake

Session 2-10-3: OS19
Advanced 3 dimensional digital processing III

OS19-10 3D mode shape visualization of machining robots using motion magnification
Madhav Kumar, Hari Charan and Mohit Law

OS19-11 Real-Time Assembly Inspection of Factory Pipes Using Skeleton Structure from Point-cloud
Yusei Sakoguchi and Yutaka Ohtake

GS01-02 Circumferential localization of wall thinning on the inner surface of a pipe using microwaves
Yijun Guo, Noritaka Yusa, Hidetoshi Hashizume, Ziran Chen and Xiaokang Liu

GS11-28 Quantum enhanced metrology for 3D manufacturing
Jernej Frank, Tommaso Tufarelli, Samanta Piano, Alexander Lvovsky and Gerardo Adesso

GS11-29 An enhanced data-processing algorithm for spectrally-resolved interferometry using a femtosecond laser
Tao Liu, Amane Suzuki, Ryo Sato, Hiraku Matsukuma and Wei Gao