

OS19 Advanced 3 dimensional digital processing
<p><b>OS19-01</b> A Study on Triangular Mesh Generation for TLS Point Clouds Using Implicit and Region-based Methods Daiki Koyama, Hiroaki Date and Satoshi Kanai</p>
<p><b>OS19-02</b> Quality Improvement of CT Reconstruction for Multi-scanning of Large Scale Objects Chelhum Park and Yutaka Ohtake The University of Tokyo</p>
<p><b>OS19-03</b> 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 University of Nottingham</p>
<p><b>OS19-04</b> Generation of Training Data from CAD Models Suitable for Component Recognition from Point Clouds of Industrial Plants Kosei Otani, Takuma Nagumo and Hiroshi Masuda The University of Electro-Communications</p>
<p><b>OS19-05</b> Point Cloud Segmentation of Production Lines in Factories Kakeru Takeda and Hiroshi Masuda The University of Electro-Communications</p>
<p><b>OS19-06</b> Point cloud Classification for Components of Industrial Facilities Using Laplacian Features Takeshi Otsuka, Kosei Otani and Hiroshi Masuda The University of Electro-Communications</p>
<p><b>OS19-07</b> Comparative analysis of surface determination techniques in coordinate metrology with X-ray computed tomography Huan Shao, Federico Pirillo, Stefano Petrò and Giovanni Moroni Politecnico di Milano</p>
<p><b>OS19-08</b> Scale-aware Volume Filtering by Splitting Transformed Voxel-Domains Shin Yoshizawa and Hideo Yokota RIKEN</p>
<p><b>OS19-10</b> 3D mode shape visualization of machining robots using motion magnification Madhav Kumar, Hari Charan and Mohit Law IIT Kanpur</p>

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

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