Special Issue

Technical Advances in 3D Reconstruction—2nd Edition

Message from the Guest Editor

The task of 3D reconstruction involves creating 3D content or a representation of 3D content from 2D images or other data sources. With the development of deep learning techniques, implicit representations such as Nerf have attracted a lot of attention. Gaussian splatting has also become a popular new method of 3D representation. This Special Issue aims to present recent findings on the topic of 3D reconstruction to provide us with a fresh outlook on reconstruction-related tasks. Potential topics include, but are not limited to, the following:

- Point cloud reconstruction;
- 3D scene completion;
- 3D reconstruction from images or videos ;
- 3D room layout generation;
- Garment reconstruction;
- 3D human pose estimation;
- 3D wireframe reconstruction;
- 3D shape representations.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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