

CALL FOR PAPERS SHARP WORKSHOP

Submission Deadline: **July 26th, 2023**

Plenary Speakers:

Prof. Daniel Ritchie
Brown University



Prof. Lourdes Agapito
University College London

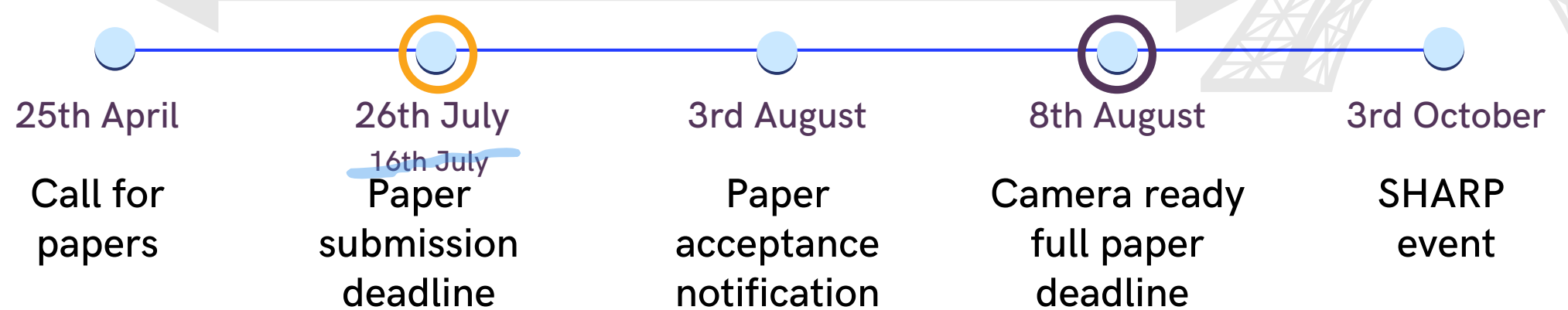


We invite submissions to the 4th edition of the **SHARP (Solving CAD History and pArameters Recovery from Point clouds and 3D scans) Workshop** in conjunction with ICCV 2023 to be held in Paris, October 3rd, 2023. Designed to foster the development of 3D modelling and processing techniques that exploit the geometric, language-based, and parametric representations of 3D scanned data, the SHARP Workshop will solicit new methods for recovering the history and parameters of Computer-Aided Design (CAD) models from 3D scanned data. In addition to scan-to-CAD problems, all topics that relate to and serve the goal of data-driven models for 3D shape parametrization, language-based 3D shape modeling/generation, and 3D shape procedural modeling are of interest. Topics of interest include, but are not limited to:

- CAD history inference from 3D scans
- CAD generation/segmentation
- CAD sketch detection from 3D scans
- Parametric inference of geometric primitives on 3D shapes
- 3d shape parsing and instance segmentation
- Language-based 3D shape modeling/generation
- Edge detection and segmentation in 3D shapes
- Building information models from 3D scanned data
- Security features on CAD models to protect designer's IP

Organizers:

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Info & Submission

<https://cvi2.uni.lu/sharp2023>

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