TAMS-MESH PROJECT WORKPLAN

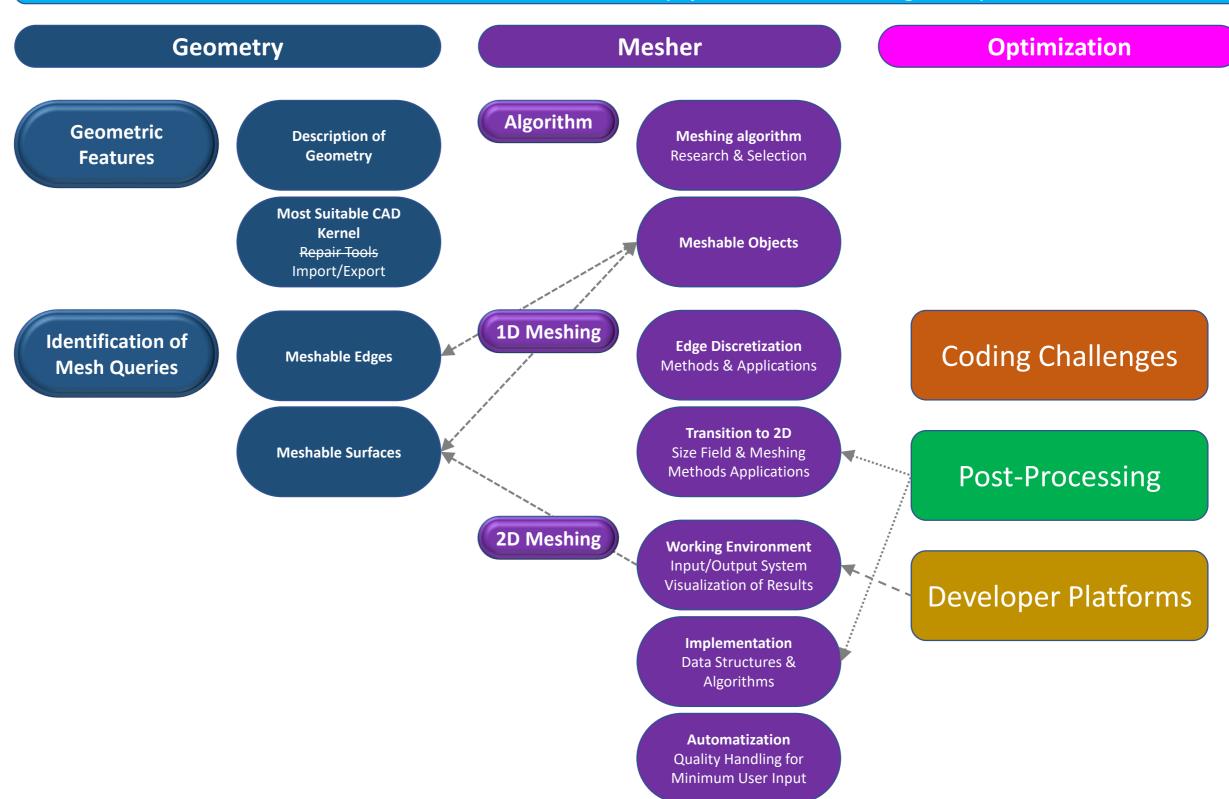
Creation Date : 11.02.2025 Last Update : 12.02.2025





TAMS Mesh – Surface Mesher

Literature Research & Code Review (Open-Source Meshing Tools)





Geometry Mesher Geometric **Description of Features** Geometry **Most Suitable CAD** Kernel Repair Tools Import/Export FIRST PART **Identification of** Meshable Edges **Mesh Queries Meshable Surfaces**



Literature Research & Code Review Building Up CAD SYSTEMS Understanding OUTPUT OF THE TASK **TASKS Starting Point** → OCCT Import cad exchange format files Framework to Import a CAD file → CGAL (step) Geometric data storage (meaning of Data container structure and use classes. benchmarked code, non uniform Documentation by code demonstration. rational b-spline) Functions and mathematical models. Used functions, methods to mathematically modeling geometry Documentation by code demonstration.

MESHABLE OBJECTS



