



3rd AIAA

Geometry and Mesh Generation Workshop

Organizing Committee

Carolyn Woeber
Pointwise

John Dannenhoffer
Syracuse University

Mark Gammon
ITI

Bill Jones
NASA Langley Research Center

James Masters
National Aerospace Solutions

David McDaniel
DoD HPCMP CREATE™

Todd Michal & Adam Clark
The Boeing Company

Carl Ollivier-Gooch
University of British Columbia

Nigel Taylor
MBDA UK Ltd



Sponsored By

Meshing, Visualization, and
Computational Environments
Technical Committee

Co-located with the
4th High Lift Prediction Workshop

January 7, 2022

AIAA Science and Technology Forum and Exposition
San Diego, CA, USA

Workshop Objectives

- Assess current state-of-the art in geometry and mesh generation technology and software for aircraft and spacecraft systems
- Identify and develop understanding of areas of needed improvement (performance, accuracy, applicability) in geometry and mesh generation technology software
- Provide foundation for documenting best practices for geometry and mesh generation
- Participants in GMGW-3 and HLPW-4 will be working in a highly collaborative manner within Technology Focus Groups to address key questions of importance in several areas of interest to both workshops including:
 - Geometry Modeling and Preparation for Meshing
 - Fixed Grid RANS
 - Mesh Adaptation RANS
 - High Order Discretization RANS
 - Hybrid RANS/LES (HLPW only)
 - Wall Modeled LES & Lattice Boltzmann (HLPW only)

Participation

- Open to participants worldwide
- Join us for an unbiased forum for discussion of results and promotion and cross-pollination of best practices.
- Participants (those people who generate geometry and/or meshes) and any interested parties who wish to attend, listen, and contribute are welcome.

More Information

GMGW-3 Website: <http://gmgworkshop.com/>

HLPW-4 Website: <https://hilitpw.larc.nasa.gov/>

Email: meshingworkshop@gmail.com