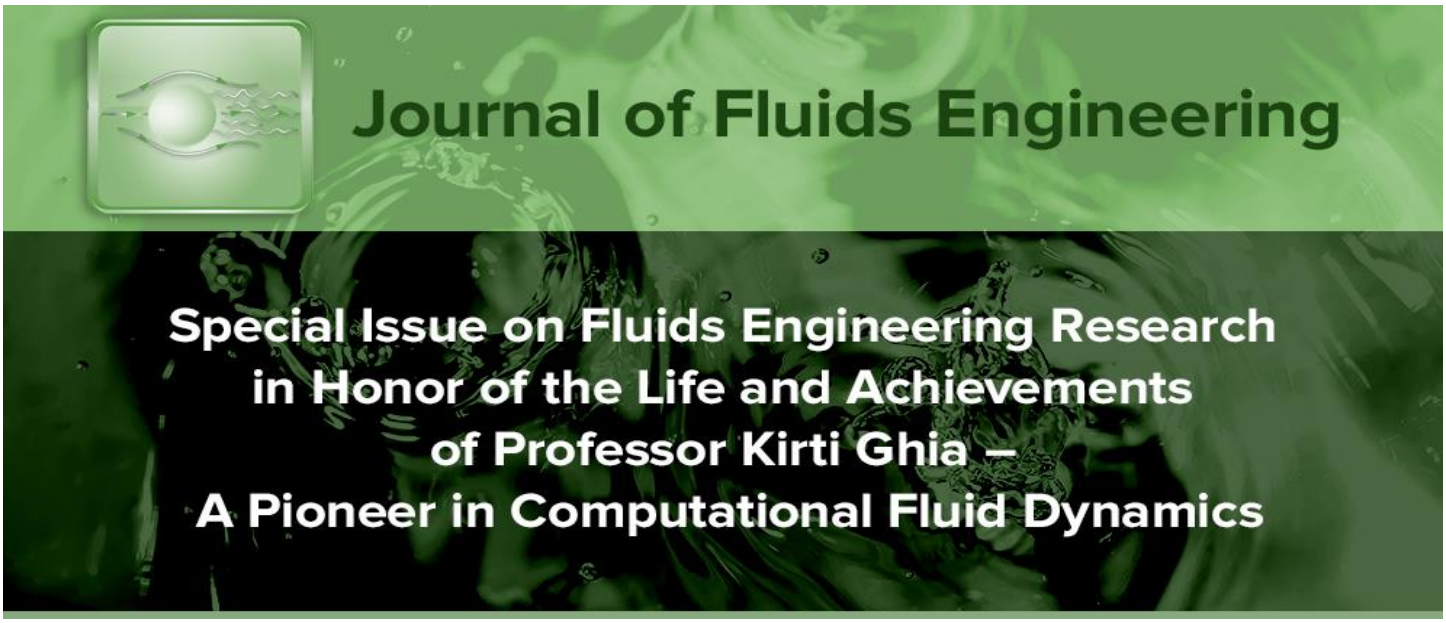

Submit Manuscript →

ASME's Guide for Journal Authors

CALL FOR PAPERS

ASME *Journal of Fluids Engineering*

Special Issue on Fluids Engineering Research in Honor of the Life and Achievements of Professor Kirti Ghia – A Pioneer in Computational Fluid Dynamics

Professor Kirti "Karman" Ghia was an aerospace engineering educator, a research scientist, and a pioneer in the field of Comp utational Fluid Dynamics. He passed away on June 13, 2017 at the age of 80. He completed his MS and PhD degrees in Mechanical and Aerospace Engineering at the Illinois Institute of Technology. For 47 years he was a faculty member of Aerospace Engineering and Engineering Mechanics at the University of Cincinnati (UC), where he founded the Computational Fluid Dynamics Research Laboratory. His pioneering CFD research has provided fundamental solutions for three basic incompressible flow problems: the driven-cavity, the curved-square cross-section duct exhibiting Dean's instability, and the backstep geometry. These have served as benchmark solutions for numerous subsequent incompressible flow code developers.

His separated-flow work on two-dimensional pitching airfoils led to unmasking the mechanism for dynamic stall; and a key result from this work was published in the *Smithsonian*. His co-authored editorial statement on Numerical Uncertainty became the cornerstone of ASME's policy on numerical uncertainty, and AIAA's current statement has been drafted around this policy. Professor Ghia was very involved with both ASME and AIAA. For the latter, he served as a faculty advisor to the AIAA UC Student Branch, a member of the AIAA Fluid Dynamics Technical Com mittee, and an Associate Editor of the AIAA Journal. In ASME, he was very active in the Fluids Engineering Division and served as Chair of the Computational Fluid Dynamics Technical Committee and the Honors and Awards Committee, among several others.

Topic Areas

The objective of this Special Issue is to commemorate the legacy of Professor Ghia's seminal contributions. Papers are sought in all areas of fluids engineering.

Publication Target Dates

Paper submission deadline	**August 31, 2021**
Initial review completed	**November 30, 2021**
Special Issue publication date	**June 2022**

Submission Instructions

Papers should be submitted electronically to the journal at journaltool.asme.org. If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. In either case, at the **Paper Submittal** page, select the **ASME *Journal of Fluids Engineering*** and then select the Special Issue **Fluids Engineering Research in Honor of the Life and Achievements of Professor Kirti Ghia – A Pioneer in Computational Fluid Dynamics**.
Papers received after the deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue.

Non-Standard Instructions

All technical submissions will be expected to include a discussion on accuracy. Guidelines for the **ASME *Journal of Fluids Engineering*** can be found here: experimental uncertainty, and numerical accuracy. Submissions should be single column, double-spaced, with all figures and tables at the end.

Special Issue Editors

Surya Pratap Vanka, PhD, Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign, U.S., spvanka@illinois.edu
S.A. Sherif, PhD, Department of Mechanical and Aerospace Engineering, University of Florida, U.S., sasherif@ufl.edu