MINISYMPOSIUM IN HONOR OF PROF. YANNIS KALLINDERIS'S 60TH BIRTHDAY: PROGRESS OF UNSTRUCTURED GRID BASED CFD, HYBRID MESH GENERATION AND ADAPTATION, AND PARALLEL SUPERCOMPUTING

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MINISYMPOSIUM

This minisymposium is being organized to honor Prof. Yannis Kallinderis on the occasion of his 60th birthday and his contributions to various areas of computational mechanics including Unstructured grid-based CFD, hybrid mesh generation and adaptation, computational aeroacoustics, high-performance computing, and parallel supercomputing. Prof. Kallinderis completed his PhD at MIT in the Department of Aeronautics and Astronautics, following his undergraduate studies at the National Technical University of Athens (NTUA). After leaving MIT, he started on his career at the ASE/EM department at the University of Texas at Austin in 1989 and was promoted to full chaired professor in 1997. During his tenure at UT, he led the Advanced Computation Engineering (ACE) Lab, overseeing the graduation of several notable individuals, such as Dr. Tommy Minyard at TACC of UT-Austin, Dr. Karl Schulz at Oden Institute, UT-Austin, Dr. Christos Kavouklis at LLNL, Prof. Kengo Nakajima at the University of Tokyo, Japan, and Prof. H.T. Ahn at the University of Ulsan, South Korea. His time at UT was marked by achievements, including the NSF Young Investigator award and the AIAA Lawrence Sperry Award. Presently, he serves as a professor at the University of Patras, Greece.

The minisymposium's focus revolves around Dr. Kallinderis' research expertise; however, it encompasses broader subjects, namely:

- Unstructured grid-based methods for CFD
- High-order solution algorithms for compressible and incompressible flows
- Hybrid mesh generation and adaptation
- Computational aeroacoustics
- Fluid-Structure interaction
- Parallel supercomputing
- Domain decomposition
- Efficient Iterative Solvers for CFD