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Computational Fluid Dynamics (CFD) applications in mechanical and aerospace engineering

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Computational Fluid Dynamics (CFD) can be applied to many fields and especially in engineering. The benefits of using CFD includes a fast, inexpensive method for design iterations and determining the cause of performance issues and system analysis where measurements are not feasible. This session will showcase different applications of CFD in various areas of engineering, as well as new findings and techniques developed for these applications. The CFD main applications include design optimization to improve performance, initial design performance validation and feasibility study of new designs. The session will cater to a wide variety of audiences such as academia, industry, practitioners and students. Participants are encouraged to share their ideas, findings, opinions and unique applications of CFD in this session.

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