

DAFoam Online Workshop 2024

9 AM to 4 PM U.S. Eastern Time, July 25, 2024

Link: <https://iastate.zoom.us/j/97057301304>

Schedule

Time	Presenter	Topic
09:00 to 9:30	Ping He, Iowa State University	Introduction to DAFoam's latest features
09:30 to 10:00	Chengyu Wu, Tsinghua University	More generalizable data driven turbulence models based on FIML using DAFoam
10:00 to 10:30	Bernardo Pacini, University of Michigan	Multidisciplinary design optimization of propeller-driven aircraft
10:30 to 11:00	Omid Bidar, University of Sheffield	Data-driven turbulence model augmentation using DAFoam: sparse sensor placement, and aerodynamic shape optimisation.
11:00 to 11:30	Uttam Padmanaban, University of Southampton	Data assimilation of stalled airfoils using experimental reference data
11:30 to 12:30		Promote a more interactive community
12:30 to 1:30	Break	
01:30 to 2:00	Jeongbin Park, University of Michigan	Ducted hydrokinetic turbine design optimization using DAFoam
02:00 to 2:30	Hossein Negahban, University of Quebec in Montreal	Aerodynamic shape optimization for morphing wing technology using DAFoam
02:30 to 3:00	Karim Ahmed, Iowa State University	Field inversion of RANS modeling for transition flows
03:00 to 4:00		Free discussion