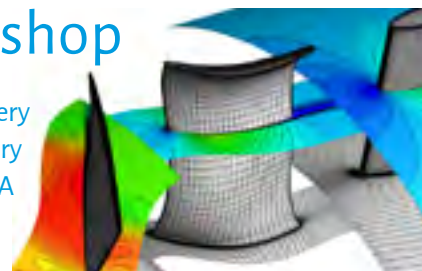


GPPS 3rd Turbomachinery CFD Workshop

During the Workshop we look forward to improving users' trust in turbomachinery RANS analysis by conducting a validation and verification of some turbomachinery RANS solvers using the TUDA-GLR-OpenStage transonic axial compressor, the BUAA low speed large scale axial compressor and the ETH Zurich 1.5-stage turbine.



Schedule

ROOM 1

Local Time Hong Kong

10:30 → → →	Introduction to the Workshop Welcome message by Dingxi Wang (Northwestern Polytechnical University)
10:50 → → →	Validation of k-omega SST modifications in the turbomachinery context using two axial rotors Natan Zawadzki (University of Oxford)
11:15 → → →	Summary of Participants' Results: for the BUAA stage B compressor Jiazi Zhao (Northwestern Polytechnical University)
11:40 → → →	Participant Presentation Dai Kanzaki (IHI Corporation)
11:50 → → →	Participant Presentation Chuanxiang Yan (Tsinghua University)
12:00 → → →	Workshop Lunch
14:00 → → →	Revisiting the Verification and Validation of Turbomachinery CFD Codes Shenren Xu (Northwestern Polytechnical University)

14:45 → → →	Introduction of the TUDa compressor dataset Fabian Klausman (TU Darmstadt)
15:10 → → →	Summary of Participants' Results: for the TUDa Compressor Xiao He/Dongming Cao (Imperial College/Northwestern Polytechnical University)
15:35 → → →	Participant Presentation Boqian Wang (Northwestern Polytechnical University)
16:45 → → →	Participant Presentation Qingyuan Zhuang (Siemens Industry Software Netherlands B.V.)
15:55 → → →	Participant Presentation Dai Kanzaki (IHI Corporation)
16:05 → → →	Coffee Break
16:25 → → →	Summary of Participants' Results: for the ETH turbine Xuanlong Da (Northwestern Polytechnical University)
16:50 → → →	Participant Presentation Dai Kanzaki (IHI Corporation)
17:00 → → →	Participant Presentation Boqian Wang (Northwestern Polytechnical University)
17:10 → → →	Wrap-up and outlook (10 minutes) Dingxi Wang (Northwestern Polytechnical University)

Workshop Organizers

Mehdi Vahdati, Xiao He (Imperial College London)	Domenico Mendicino, Benoit Tartinville (Cadence Design Systems)
Shenren Xu, Dongming Cao, Dingxi Wang (Northwestern Polytechnical University)	Guangfeng An, Xianjun Yu (Beihang University)
Senthil Krishnababu (SIEMENS Energy)	Fabian Klausmann (Technical University Darmstadt)