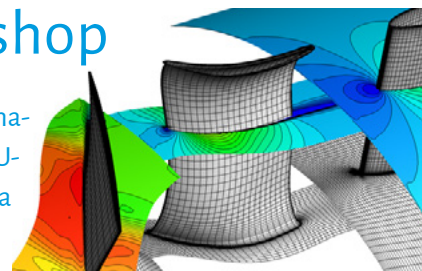


GPPS 1st Turbomachinery CFD Workshop

During the Workshop we look forward to improving users' trust in RANS turbomachinery solvers by conducting a validation and verification (V&V) study on the TUDA-GLR-OpenStage transonic axial compressor. The TUDA-GLR-OpenStage is a state-of-the-art industrial-level machine that is challenging for RANS CFD.



Schedule

Time Zones:
Beijing → → → CET → → →

<p>4:00 pm → → → 9:00 am → → →</p> <p>Introduction to the workshop Welcome message by Prof. Hong Yan (Northwestern Polytechnical University)</p>	<p>6:30 pm → → → 11:30 am → → →</p> <p>Steady RANS Simulations of the TUDa-GLR-OpenStage Using an In-house Code MAP Haowei Zhou (Beihang University)</p>
<p>4:05 pm → → → 9:05 am → → →</p> <p>Introduction to the Test Facility and Measurement Data Including virtual lab tour and presentation paper 29 Fabian Klausmann (TU Darmstadt)</p>	<p>6:40 pm → → → 11:40 am → → →</p> <p>SU2 Analysis of Flow Field within the TUDa Transonic compressor Qinglin Zhou (Northwestern Polytechnical University)</p>
<p>4:50 pm → → → 9:50 am → → →</p> <p>Summary of Participants' CFD results Xiao He (Imperial College London)</p>	<p>6:50 pm → → → 11:50 am → → →</p> <p>Validation and Verification of a RANS Solver for TUDa-GLR-OpenStage Dongming Cao (Northwestern Polytechnical University)</p>
<p>5:30 pm → → → 10:30 am → → →</p> <p>Coffee Break</p>	<p>7:00 pm → → → 12:00 pm → → →</p> <p>Validation and Verification of RNAS Solver with the Space-Time Gradient Method for TUDa-GLR-OpenStage Transonic Axial Compressor Boqian Wang (Northwestern Polytechnical University)</p>
<p>Participant Presentations</p>	
<p>5:45 pm → → → 10:45 am → → →</p> <p>Validation and Verification of RANS Solvers for TUDa-GLR-OpenStage Transonic Axial Compressor Mingmin Zhu (Shanghai Jiaotong University)</p>	<p>7:10 pm → → → 12:10 pm → → →</p> <p>Open Discussions</p>
<p>6:00 pm → → → 11:00 am → → →</p> <p>Capabilities of Open-source Code SU2 on Turbomachinery Application Chuanxiang Yan (Tsinghua University)</p>	<p>7:30 pm → → → 12:30 pm → → →</p> <p>Presentation data set: Beihang University Guangfeng An</p>
<p>6:10 pm → → → 11:10 am → → →</p> <p>ASPAC and its validation on TUDa-GLR-OpenStage Ziwei Wang (CARDIC)</p>	<p>7:50 pm → → → 12:50 pm → → →</p> <p>Presentation data set: ETH Alex Chasoglou</p>
<p>6:20 pm → → → 11:20 am → → →</p> <p>Simulation of TUDa-GLR-OpenStage by HGAE Qingzhe Gao (Beihang University)</p>	<p>8:10 pm → → → 1:10 pm → → →</p> <p>Wrap-up and outlook (5 minutes)</p>