13th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics

Categories

1. Modelling of physical phenomena	**4. Diffusers**
1.1 Transition and turbulence modelling	4.1 Design and performance-Diffuser
1.2 Wet steam	4.2 Interactions at diffuser entrance and exit
1.3 Particulate flows	
1.4 Cavitation	**5. Pumps and hydraulic turbines**
1.5 Deposition and erosion	5.1 Design, analysis and performance-hydraulic machinery
1.6 Real working fluid flows	5.2 Numerical calculations-hydraulic machinery
1.7 Multi phase flow	5.3 Secondary, tip clearance and leakage flows-hydraulic machinery
	5.4 Unsteady flows and blade row interaction-hydraulic machinery
2. Compressor aerodynamics	5.5 Performance in cavitation and multiphase flow
2.1 Axial compressors	5.6 Marine Propeller
2.2 Radial compressors	5.7 Marine Turbine
2.3 Fans	
2.4 Design analysis and performance- Compressor	**6. Design and Optimisation**
2.5 Numerical calculations-Compressor	6.1 Application
2.6 Secondary, tip clearance and leakage flows-Compressor	6.2 Optimisation tools and uncertainty quantification
2.7 Unsteady flows and interactions-Compressor	6.3 Multidisciplinary coupling tools
2.8 Stall and surge	
2.9 Aeronautical propeller	**7. Active and passive flow control**
3. Turbine aero-thermodynamics	**8. Vibration, flutter, aero-elasticity**
3.1 Axial turbines	
3.2 Radial turbines	**9. Aero-acoustics, noise generation and reduction**
3.3 Wind turbines	
3.4 Design, analysis and performance-Turbine	**10. Operational experience, performance monitoring, diagnostics,**
3.5 Numerical calculations-Turbine	**deterioration and residual performance/life prediction**
3.6 Secondary, tip clearance and leakage flows-Turbine	
3.7 Unsteady flows and blade row interaction-Turbine	**11. Experimental and measuring techniques**
3.8 Heat transfer and blade cooling	11.1 Novel test rigs
3.9 Steam turbines	11.2 Optical methods
3.10 Combustor Turbine Interaction	11.3 Pressure/temperature/heat transfer