

AREAS OF INTEREST

Abstract categories listed below are of interest to the Turbomachinery and Pump Symposia. Along with the listed categories, authors are also encouraged to propose new ideas that could be of interest.

ALIGNMENT

ANCILLARY EQUIPMENT

- Baseplates
- Condition Monitoring Controls
- Filtration
- Foundations
- Governors
- Instrumentation
- Lubrication Systems
- Machinery Protection Systems
- Piping
- Sealing Systems

APPLICATIONS

- Acid Gas
- Ammonia
- Chemical
- High Pressure
- LNG
- Pipeline
- Power Generation
- Refining
- Sour Gas (High CO₂ and/or H₂s)
- Subsea
- Transport
- Wet Gas

BALANCING

BEARINGS

- Fluid Film
- Gas
- Magnetic
- Rolling Element

BLADED DISKS AND IMPELLERS

COMPRESSORS

- Axial
- Centrifugal
- Integrally Geared Reciprocating
- Screw

COUPLINGS

- Flexible Element

- Fluid
- Variable Speed

DECARBONIZATION

DESIGN AUDITS

DIAGNOSTICS

DIGITALIZATION

- Augmented Reality/Virtual Reality
- Automation
- Data Analytics (Predictive/Statistical)

DRIVERS

- Electric Motor
- Gas Turbine
- Steam Turbine
- Variable Speed Drives

EQUATIONS OF STATE

EXPANDERS

- Hot-Gas Expanders
- Turboexpanders

FANS

GEARS

GENERATORS

INSPECTION

INSTALLATION

MAINTENANCE

MATERIALS AND MANUFACTURING

- Additive Manufacturing
- Coatings
- Corrosion
- Metallurgy
- Wear
- Welding

OPERATION AND PERFORMANCE

- Cavitation
- Choke
- Efficiency
- Noise
- Off-Design Behavior
- Range

- Rotating Stall
- Surge

PRESERVATION PUMPS

REAPPLICATION

RELIABILITY

REPAIR

RE-RATES

ROOT CAUSE ANALYSIS

ROTORDYNAMICS

- Critical Speed
- Lateral
- Torsional
- Stability
- Stability Test/Measurement

SEALS

- Brush
- Dry Gas
- Hole-pattern/Honeycomb
- Labyrinth
- Mechanical
- Packing
- Wet

SPECIFICATIONS

TESTING/COMMISSIONING

- Field Testing
- Performance Testing
- Shop Testing

THERMODYNAMICS

VIBRATION

- Diagnostics
- Field Vibration
- Lateral Shaft Vibration
- Subsynchronous Shaft Vibration
- Torsional Vibration
- Vibration Monitoring

TPS 2026 CALL FOR PAPERS