



**Making a Vital Impact**  
Research | Education | Workforce Development

The Turbomachinery Laboratory conducts theoretical and applied research into reliability and performance of turbomachinery – rotating machinery that extracts or adds energy to fluids.

The Turbo Lab impacts turbomachinery and related industries through three pathways:

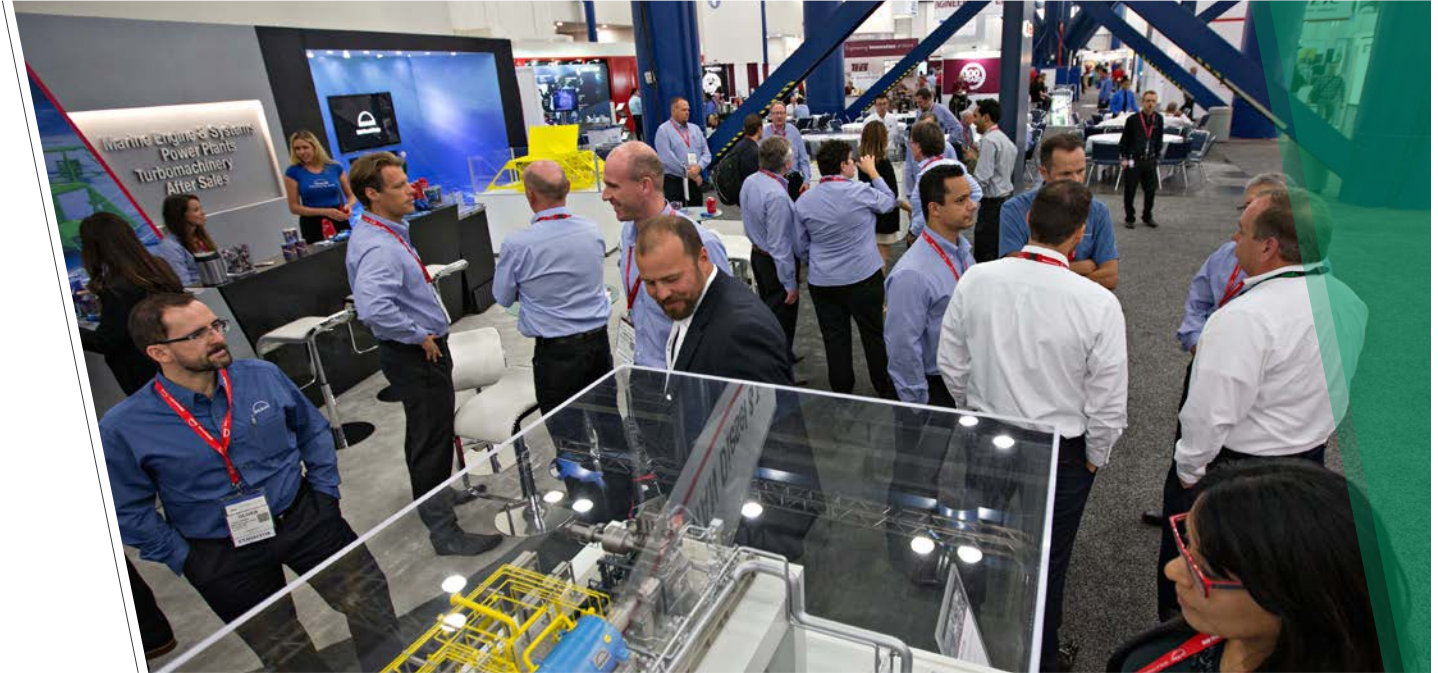
**Research:** Turbo Lab faculty and students team with industry partners to conduct research projects, which fall into two categories: sponsored research – a paid research project – and the Turbomachinery Research Consortium (TRC) – a membership-only group of companies with exclusive research access and benefits.

**Education:** The Turbo Lab produces engineers ready to work by offering undergraduate and graduate engineering education through Texas A&M's Department of Mechanical Engineering.

**Professional Workforce Development:** The Turbo Lab provides a platform for the continuous exchange of ideas among working professionals. Platforms include the acclaimed annual Turbomachinery & Pump Symposia in Houston; the Asia Turbomachinery & Pump Symposium, held biennially in Singapore; and short courses throughout the year.

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## PROFESSIONAL ORGANIZATIONS AND EVENTS

### **Turbomachinery Research Consortium (TRC)**

TRC is a members-only group of companies that have united with the Turbo Lab to find answers to important questions about turbomachinery performance and reliability through research. More than 30 industrial firms provide annual grants of \$25,000 to support a broad range of member-selected research projects.

[turbolab.tamu.edu/trc/](http://turbolab.tamu.edu/trc/)

### **Turbomachinery & Pump Symposia**

From a modest beginning on the campus of Texas A&M in 1972, the Turbomachinery & Pump Symposia (TPS) has become the principal meeting for users and manufacturers of industrial turbomachinery. Held annually in Houston, TPS features a technical program hand-selected by an advisory committee of industry experts combined with an international exhibition of more than 350 companies.

[tps.tamu.edu](http://tps.tamu.edu)

### **Asia Turbomachinery & Pump Symposium**

Much like TPS, the Asia Turbomachinery & Pump Symposium began as an assembly for turbomachinery and pump users and manufacturers. ATPS, held biennially in Singapore, offers a world-class educational forum and international exhibition for working engineers in both turbomachinery and pump industries.

[atps.tamu.edu](http://atps.tamu.edu)

### **Extended Short Courses**

Short courses throughout the year are developed and presented by leading engineers in several locations, including the United States and Singapore. Topics evolve to meet the needs of working professionals in the turbomachinery industry.

[turbolab.tamu.edu](http://turbolab.tamu.edu)

