

Sept. 30 - Oct. 3, 2013
HOUSTON, TEXAS



42nd Turbomachinery
29th Pump SYMPOSIA



PROCEEDINGS



42nd Turbomachinery & 29th Pump Symposia

POST-EVENT PROFILE

Event website: pumpturbo.tamu.edu
Organized by the Turbomachinery Laboratory
Part of the Texas A&M Engineering Experiment Station
turbolab.tamu.edu | info@turbo-lab.tamu.edu | 979.845.7417

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Pump & Turbo 2013 GENERAL INFO



**42nd Turbomachinery
29th Pump SYMPOSIA**

GEORGE R. BROWN CONVENTION CENTER
HOUSTON, TX 9|30 – 10|3|2013



Built on a history of success, the 42nd Turbomachinery and 29th International Pump Users Symposia (Pump & Turbo 2013) proved to be another excellent event. Both symposia began with common goals to promote professional development, technology transfer, peer networking and information exchange among industry professionals. Now held together annually in the fall, this combined event serves as a premier training and networking opportunity for professionals in both industries.

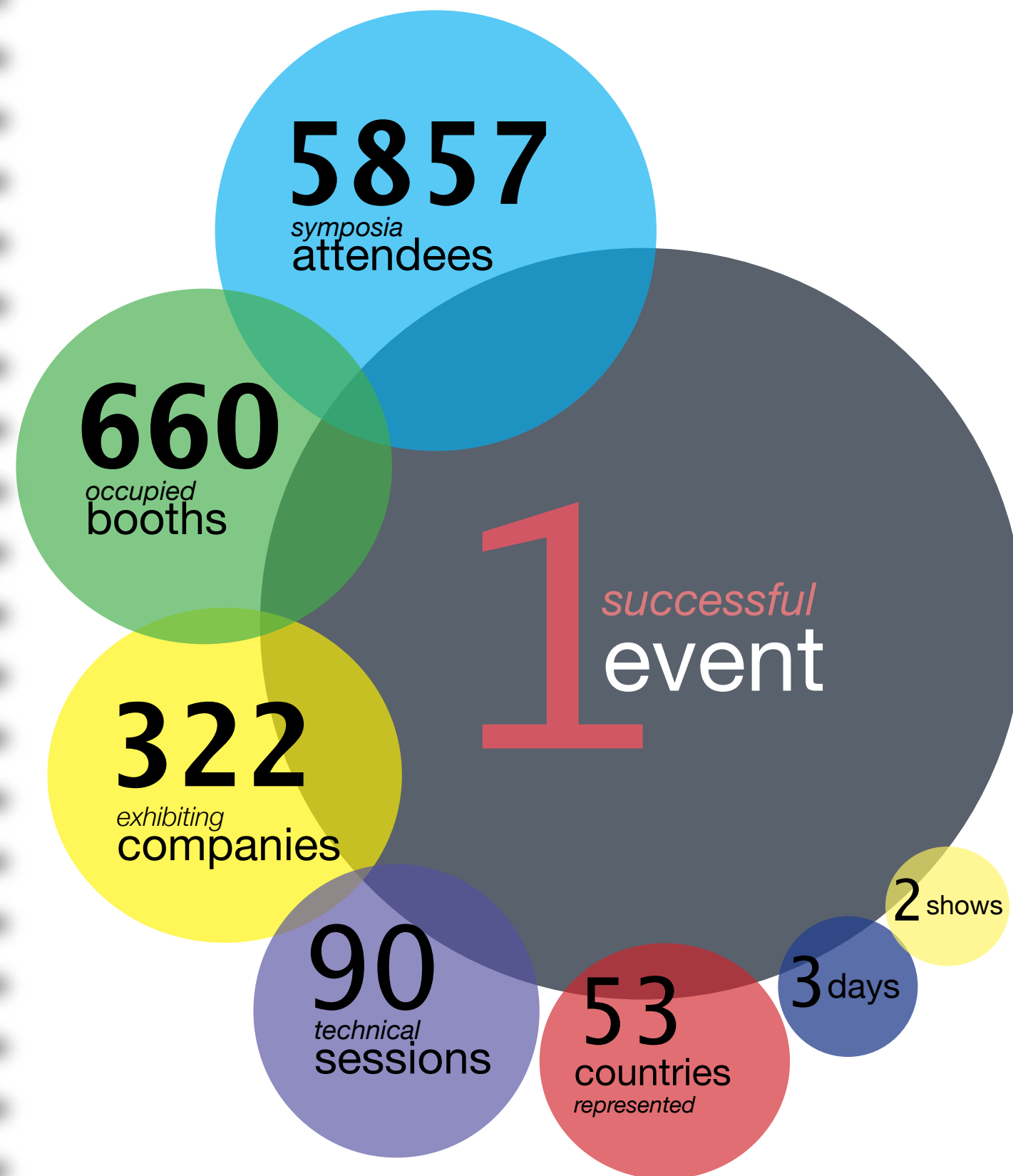
JOB TITLES REPRESENTED

- Executives - Presidents, CEOs, Owners
- Executive Managment - VPs, CFOs, Directors
- Managers - Account, Engineering, Sales
- Engineers - all types
- Sales - Directors, Managers, Representatives
- Technicians/Service Representatives

INDUSTRIES REPRESENTED

- Oil & Gas
- Chemical/Petrochemical
- Power
- Water
- Mining/Metals
- Manufacturing/Repair

Pump & Turbo 2013 THE NUMBERS



Attendee demographic data entered during registration.

Pump & Turbo 2013

INTERNATIONAL ATTENDANCE

53 COUNTRIES REPRESENTED

690 INTERNATIONAL ATTENDEES

GEOGRAPHIC BREAK DOWN



- USA 5043
- Canada 90
- Mexico 44
- Costa Rica 1

- Brazil 30
- Columbia 15
- Venezuela 15
- Trinidad & Tobago 13
- Equador 10
- Argentina 2
- Bolivia 2
- Chile 2
- Peru 2

- Germany 64
- UK 46
- Italy 42
- France 27
- Switzerland 12
- Netherlands 11
- Poland 7
- Spain 5
- Norway 4
- Austria 3
- Finland 3
- Sweden 3
- Russia 2
- Czech Republic 1
- Denmark 1
- Ireland 1
- Luxemborg 1
- Romania 1

- Egypt 6
- S. Africa 5
- Algeria 1
- Angola 1
- Ethiopia 1
- Nigeria 1

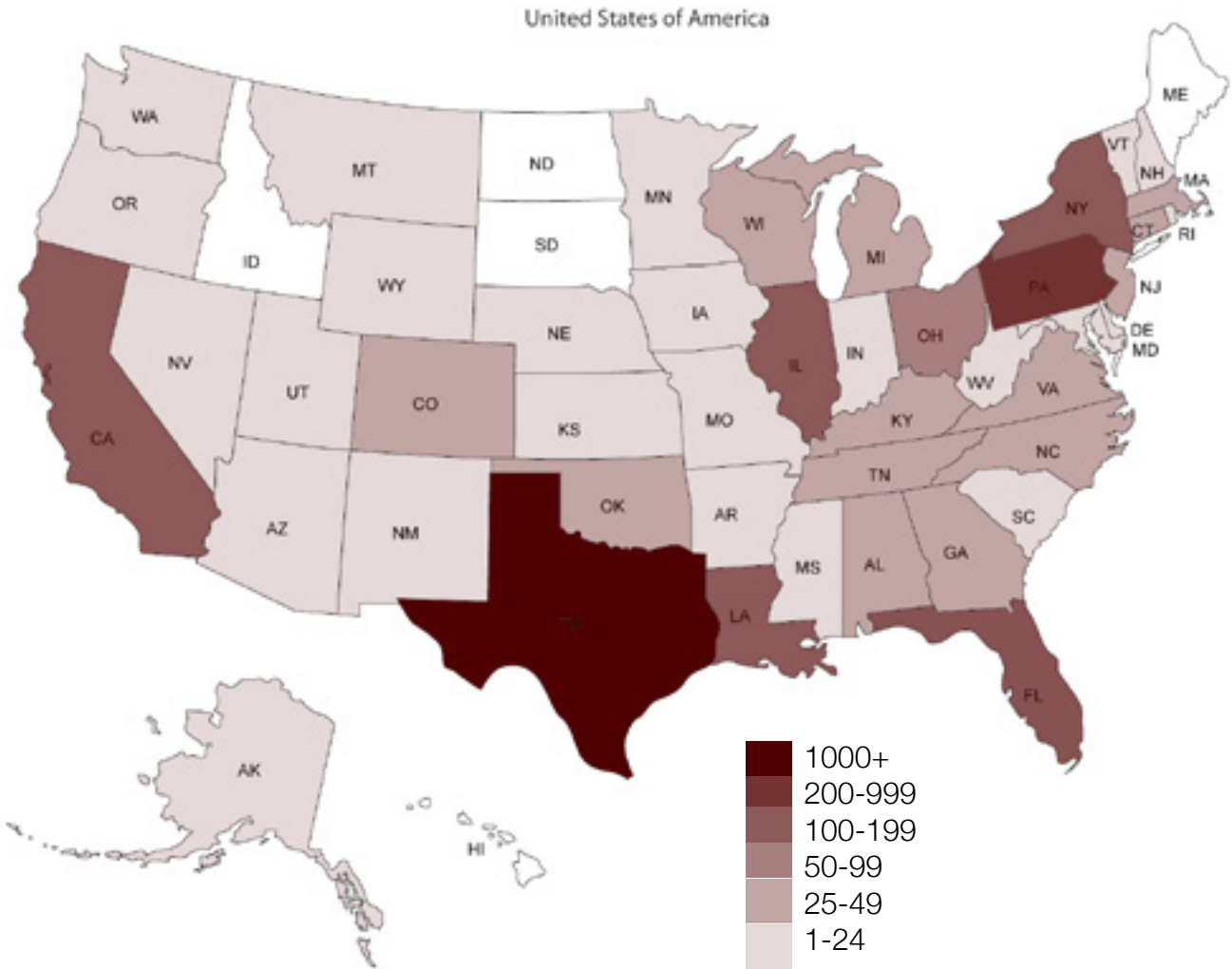
- Japan 97
- China 30
- Saudi Arabia 22
- S. Korea 21
- India 12
- Qatar 8
- Singapore 5
- Malaysia 4
- Kuwait 2
- Oman 2
- Cambodia 1
- Indonesia 1
- Isreal 1
- Pakistan 1
- UAE 1

- Australia 7

Numbers are from registration demographics; not all attendees included a country of residency.

Pump & Turbo 2013

DOMESTIC ATTENDANCE



46 STATES REPRESENTED

TX	3344
PA	228
CA	201
IL	149
NY	143
LA	118
OH	74
FL	57
MI	49
VA	44
NJ	41
NC	40
GA	39
TN	38
WI	37

CO	35
CT	33
MA	32
OK	30
AL	27
KY	25
SC	24
MN	23
NV	18
IA	17
IN	17
MO	16
WA	15
AZ	14
MD	14

AK	12
DE	12
NH	12
KS	11
UT	11
VT	9
AR	6
OR	5
DC	4
RI	4
MS	3
NE	3
NM	3
WV	3
WY	2
MT	1

Numbers are from registration demographics; not all attendees included a state of residency.

Pump & Turbo 2013
COMPARISONS

ATTENDANCE

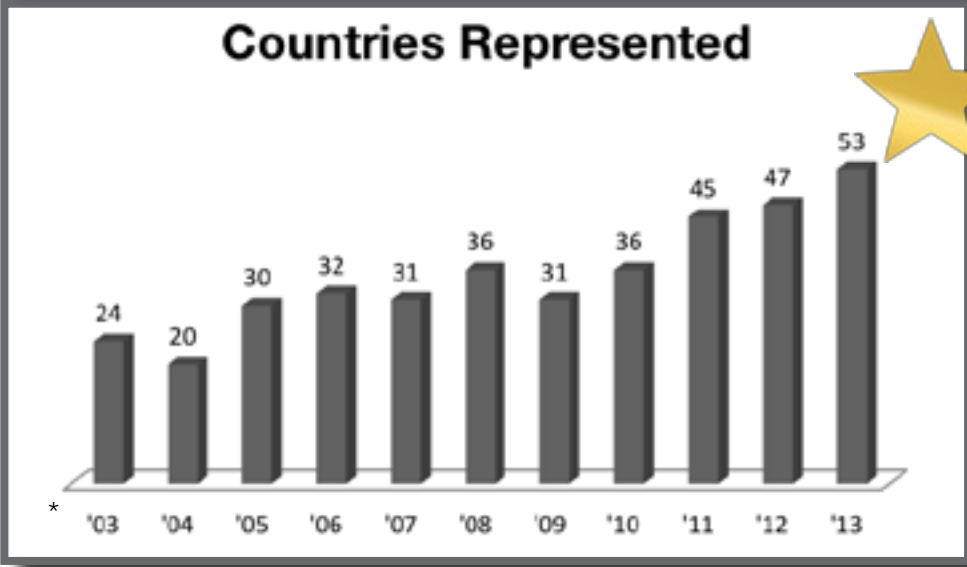
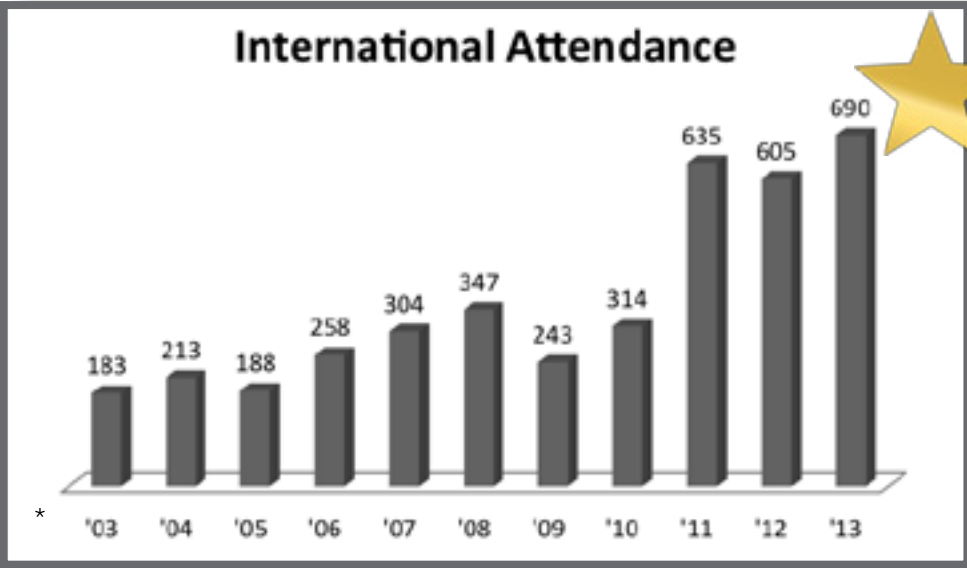
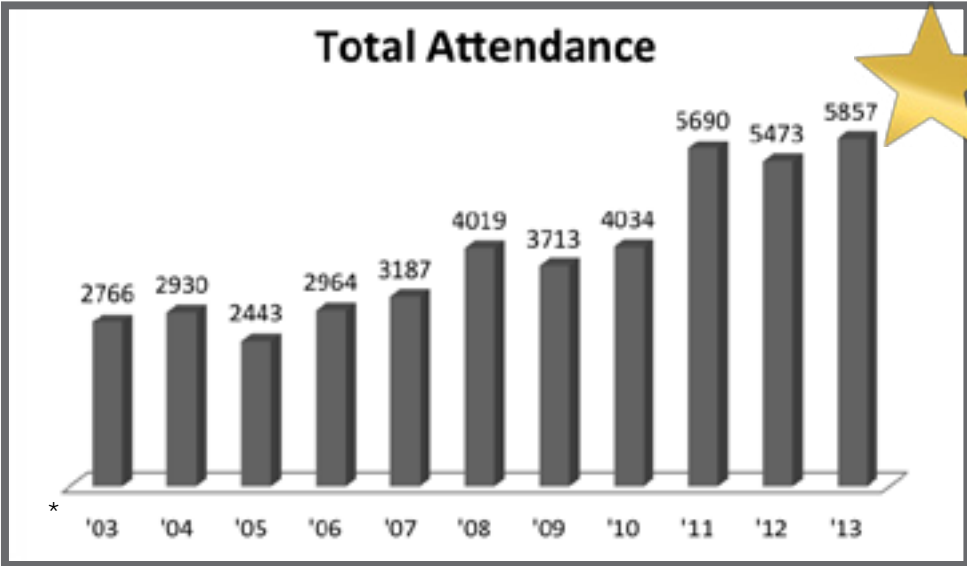
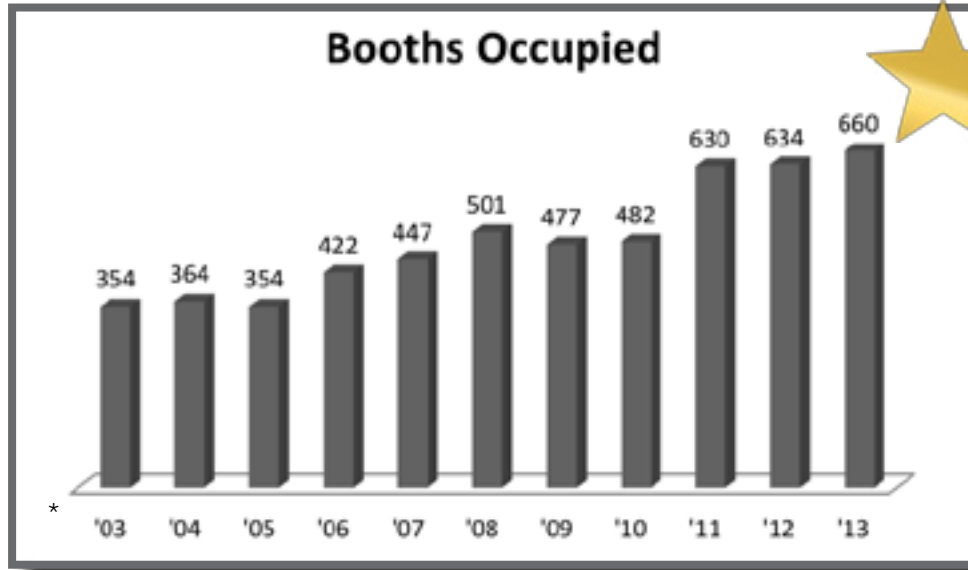
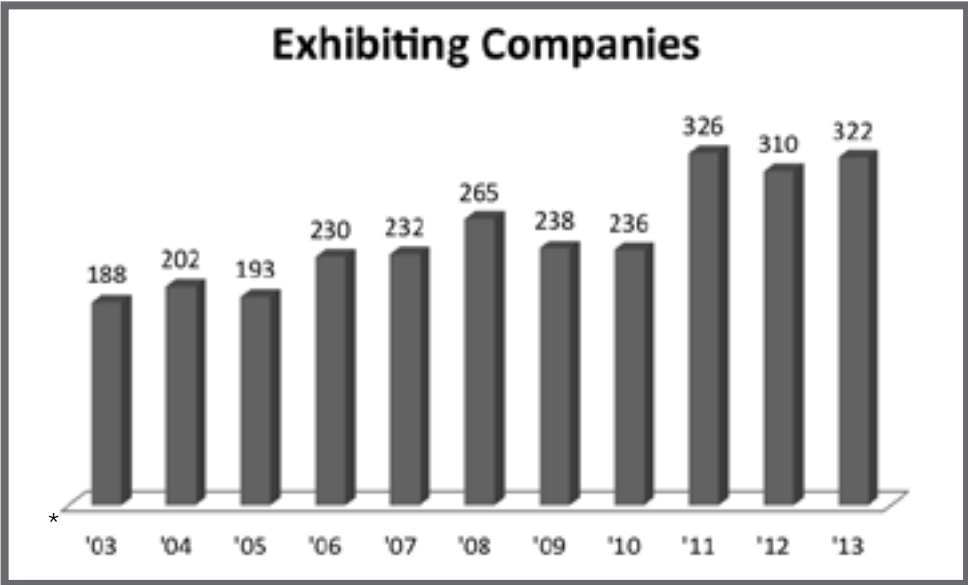
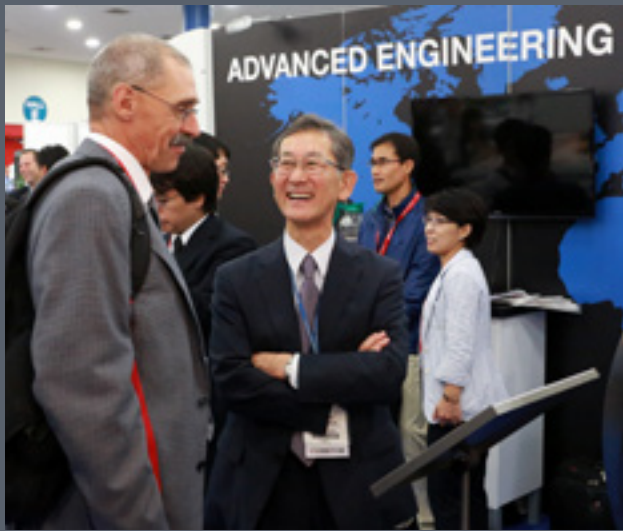


EXHIBIT HALL



* 2003-2010: Turbomachinery Symposium
2011-2013: Pump and Turbo Sympoisa

 NEW RECORD



Booth	Company
125	5th Axis Inc.
948	AAF International
1218	Acquip Powered Empowering™
437	AcuCut, Inc.
1001	Adhesive Services Company
845	Advance Thermal Corp.
1319	Advanced Compressor Technology
1618	Advanced Design Technology
1703	Advanced Sealing Technology Corp.
545	Aerzen USA Corporation
1709	AESSEAL
1800	Afton Pumps, Inc.
1217	Aikoku Alpha Corporation
523	Air Filters, Inc.
1418	Air Products & Chemicals, Inc.
459	Alemite, LLC
723	Alfred Conhagen Inc. of Texas
1042	Allen Gearing Ltd.
536	Alta Solutions, Inc.
759	American Hofmann Corporation
2005	American Marsh Pumps
2132	American Spincast
931	Ameridrives Couplings
849	ANSYS, Inc.
709	Ariel Corporation
941	ARISE Inc.
322	Arland Tool & Manufacturing
1014	Artec Machine Systems
641	ASME International Gas Turbine Institute
232	ATGI
1725	Atlantic Group, Inc.
1223	Atlas Copco
655	Azima DLI
1824	Basetek, LLC
1231	Bearings Plus™
1714	Best PumpWorks
939	Beta Machinery Analysis
1200	BO-GE Assembly, Inc.
2025	Boerger, LLC
1343	Boll Filter Corporation
1742	Bornemann Pumps
1609	Boulden Company Inc.
336	Brown Book Shop
222	Brunson Instrument Co
1633	Brush Turbogenerators Inc.
1939	Bullen Pump
215	Burckhardt Compression, Inc.
530	B-W Grinding Service Inc.
901	Calnetix
1331	Cameron Compression Systems
259	Camfil Farr Power Systems
1104	Cavalier Industrial Specialties
1622	CD-adapco
653	CEC Vibration Products Inc
515	Century Elevators
241	Cerobear GmbH
1616	CFturbo Software and Engineering GmbH
1614	Champion Aviation Dynamic Tech.(Xian)
659	Champion Hi-Tech Mfg. Co., Inc.
2010	CHEM SHOW, The
1648	Chemical Engineering Magazine
2000	Chemical Processing Magazine
908	CIATEQ
552	Cincinnati Gearing Systems
500	CMI Rotating Service Center, Inc.
559	CMSI
1230	COBEY, Inc.
337	Compressor Controls Corporation
537	Compressor Products International (CPI)
116	CompressorTech Two Magazine
1909	CompressorTech Two Magazine
814	Concepts NREC
439	Continuous Control Solutions
1231	Cook Compressions
950	Cooling Technology Institute (CTI)
1530	Coupling Corporation of America
1730	CPC Pumps International
538	Cryostar USA
1303	CTC-Vibration Analysis Hardware
1615	CTS, Inc.
359	Daido Metal Company Ltd.
230	Data Physics Corporation
1349	David Brown Gear Systems Ltd
1548	Denmar Pump Services, Inc.

Booth	Company
1701	Dickow Pump Company, Inc.
1931	DMG/Mori Seiki/Ellison Technologies
231	Drake Controls
737	Dresser-Rand
455	E+A
1623	EagleBurgmann
414	Eastern Alloy, Inc.
1348	Easy Laser/Damalini
1915	Egger Turo Pumps, North America
1531	Elliott Group
2114	EMAG L.L.C.
421	Emerson Power Transmission
323	Emerson Process Management
1822	Empowering Pumps
502	Energy Control Technologies, Inc.
1934	Engineered Software, Inc.
1222	Engineering Dynamics, Inc.
1547	Enpro Ind. Pvt. Ltd.
342	Epoch Times Media Inc.
1721	ESK Ceramics GmbH & Co. KG
1817	Eureka Pumps Americas
1601	Ex One
1937	Exheat Industrial Ltd.
451	F.W. Gartner
332	Filtermag
1100	FIMA Maschinenbau GmbH
1737	Five Star Products, Inc.
1038	FlaktWoods
1119	Flender-Graffenstaden
504	FlexElement Texas Inc.
731	Flowserve Corporation
1201	FMC Technologies
300	Freeman & Curiel Engineers, LLP
2020	Frontline Industries
1539	FS-Elliott LLC
809	FulFlo Specialty Co.
1037	Fusion, Inc.
237	Gartner Coatings
1101	Gas & Air Systems, Inc.
235	Gas Turbine Controls
821	GE Oil & Gas
915	GE Oil & Gas
400	GEA Refrigeration North America
251	General Atomics
1744	Goulds Pumps
1314	Graham Corporation
1718	Grand View Media Group
943	Granite Services, Inc.
1707	Graphite Metallizing Corporation
804	Gulf Publishing Company
1736	Haga Seals Industries Co. Ltd.
608	Hahn & Clay
1836	Hammelmann Corporation
1515	Hangzhou Steam Turbine Co., Ltd.
1808	HBE Engineering, Inc.
1911	Henkel Loctite Corporation
1715	Hermetic Pumps Inc.
620	Hilliard Corporation, The
2038	Hima Americas Inc.
1137	Hitachi America, Ltd.
1501	Hoerbiger Compression Technology
630	Houston Dynamic Service, Inc.
1103	Howden Compressors Inc.
403	Hyatt Industries Limited
752	HYDAC Technology Corp.
1823	HydroTex Dynamics, Inc.
347	IC Flow Controls
854	IMI Sensors
1215	Industrial Action Services
401	Industrial Info Resources, Inc.
855	Ingersoll Rand
1731	Innovative Mag-Drive, LLC
1231	Inpro/Seal
324	Integrated TurboMachinery, Inc.
344	Int'l Thermal Spray Assoc
801	INVENSYS
1549	IPAC Division Diversified Manufacturing
1831	Isomag Corporation
1643	ITT Corporation
751	JAM Distributing/Exxon Mobil
1415	John Crane
2031	John M Campbell Petroskills
1723	Junty International, LLC

Booth	Company
101	Kawasaki Gas Turbines Americas
200	Kawasaki Heavy Industries, Ltd.
622	Kaydon Ring & Seal, Inc.
2100	KCF Technologies
944	Keene Turbomachinery Services
658	Kelm Engineering, LLC
1031	Kingsbury, Inc.
1207	Knighthawk Engineering
351	Kobelco Compressors America, Inc.
1219	Kongsberg
1639	KRAL - USA, Inc.
1617	KSB
1245	KTR Corporation
551	L.A. Turbine Corp.
2130	Lancer Systems
1811	Leistritz Corporation
1916	LEWA-Nikkiso America, Inc.
1739	Liquiflo
507	Louisiana Chemical Equipment Co., LLC
1710	Lube-Power, Inc.
1523	Ludeca, Inc.
907	Lufkin
705	Machine Saver
225	MagnaDrive
340	Main Metall
852	Maintenance Technology Magazine
411	MAN Diesel & Turbo North America Inc.
841	Maudlin & Sons Mfg. Co., Inc.
153	Mayekawa U.S.A., Inc.
301	McGuffy Energy Services, LP
1123	Mechanical Repair & Engineering
1631	Mechanical Solutions, Inc.
416	Meggitt - VibroMeter
418	Meggitt - Wilcoxon
1136	Meridian Equipment, Inc.
1449	Metallizing Equipment Co. Pvt. Ltd.
1637	Metaltech Service Center
1404	Micro Tek Finishing
1437	Milton Roy, LLC
1838	MINZ International & Zhao Qiang Sealing Products
501	Mitsubishi Heavy Industries Compressor Corporation
1921	Modern Pumping Today
2124	MTH Pumps
100	NAES Corporation
1451	Napolean Engineering Services
1402	Nation Coating Systems
930	National Oilwell Varco
1907	National Pump Company
851	Natole Turbine Enterprises, Inc.
815	Neuman & Esser USA, Inc.
1806	New England Braiding Company, Inc.
647	Nidec ASI S.P.A.
543	NRG Energy Services
223	Numeca-USA, Inc.
1301	NVision, Incorporated
839	Oeltechnik
938	Oil, Gas & Petrochem Equipment
2006	Oilizer
306	OROS Inc.
243	Pal-Con, Ltd.
317	Parker Hannifin Corp.
721	Peerless PROCORE
1003	PetroPages.com, Inc.
824	Petrotech, Inc.
701	Philadelphia Gear, A Timken Brand
2024	Pinnacle-Flo, Inc.
1646	Power Magazine with TradeFair Group
642	Praxair Surface Technologies
1645	PRO Services
1202	Prognost Systems, Inc.
835	ProviTech, Inc.
1901	Pumps & Systems Magazine
1716	PumpWorks 610
1422	Quadrant Engineering Plastic Products
1930	R+W Coupling Technology
315	Reinhart & Associates, Inc.
352	RelaDYNE
942	Reliability Direct Inc.
934	Reliable EDM, Inc.
2036	Reliance Tool & Mfg.
949	RENK AG
2008	Rentzel Pump
201	Rexnord Industries, LLC

Booth	Company
550	RF System Lab
1306	Rino-K&K Compression, Ltd.
715	Riverhawk Company
800	ROC Carbon Company
337	Roper Industries
1249	Rotating Equipment Repair
740	Rotating Machinery Services, Inc.
1820	Roth Pump Company
1431	Royal Purple Inc
1209	RPM Services, Inc.
1131	Schenck Balancing and Diagnostic Systems
2033	Sealon Technology, LLC
431	Shackelford-Wattner
2001	Shanley Pump & Equipment
753	Shin Nippon Machinery
1344	Sichuan Mianzhu Xinkun Machinery Motcing
1019	Siemens Energy Inc.
1839	Siemens Industry
1607	Simerics, Inc.
611	SKF Traditional Energy
1400	Skinner Power Systems LLC
1044	Softinway, Inc.
716	Sohre Turbomachinery Inc.
1507	Solar Turbines Incorporated
1318	Solberg - Oil Mist Eliminators
525	Southwest Research Institute
531	SpectraQuest, Inc.
831	SSS Clutch Company, Inc.
1738	St. Marys Carbon Co.
1617	Standard Alloys & Mfg. Co.
1000	Stein Seal Company Industrial Division
345	Sterling Engineering Inc.
1040	STI Vibration Monitoring Inc.
521	Stork H&E Turbo Blading
1311	Sulzer Turbo Services Inc
308	Summit Industrial Products
1532	Summit Staffing
1437	Sundyne Corporation
207	Switch Filtration
1706	T.F. Hudgins, Incorporated
802	TAMU Energy Institute
405	TCR, Inc.
123	TEAC
2023	Tech Cast LLC
1833	Teikoku USA
1224	Tern Technologies, Inc.
1305	Texas Rotating Equipment
1925	TF Seals Manufacturing & Supplies, LLC
445	TMEIC
509	TOPS, LLC
820	Torquemeters Limited
216	Toshiba International Corporation
131	Tradesmen International
617	Total Lubrication Management
906	TRI Transmission & Bearing Corporation
444	Tri-Sen Systems Corporation
319	Turbine BladingParts, LLC
133	Turbine Diagnostic Services
643	Turbo Filtration Corporation
1323	Turbocam Int
330	TurboGen Consultants, Inc.
606	Turbomachinery International Publications
1407	Turbomachinery Laboratory
1308	Universal Plant Services, Inc.
623	UTC Aerospace Systems
940	UTC Overseas, Inc.
350	Vesconite Bearings
302	Vibrant Technology, Inc.
307	Voith Turbo Inc.
1932	Warren Rupp, Inc.
807	Watson Grinding & Mfg.
1231	Waukesha Bearings, Inc.
1231	Waukesha Magnetic Bearings™
850	WEG/Electric Machinery
334	Weifang Yili Precision Casting Co., Ltd.
1231	Windrock
614	Wood Group GTS
139	Woodward
2002	Wyle
1442	Xtend Packaging Inc.
331	York Process Systems

Last updated 10.8.13
Updated list available
on our [website](#).

Pump & Turbo 2013 SPONSORS



Post-it Notes

EMPOWERING PUMPS
Connecting The Global Pump Industry

Social Media



Pens



Attendee Bags & Keycards

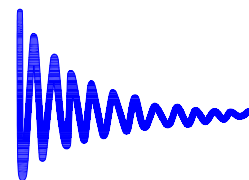


MAN Diesel & Turbo

Lanyards

DRESSER-RAND

USB Short Courses



ENGINEERING
DYNAMICS

USB Proceedings

HOERBIGER
because performance counts

Wednesday AM Coffee Break

KOBELCO

Notepads & Wifi

THE **OGM**

Pump Turbo Central



USB Proceedings



Tuesday Water Stations



Wednesday Water Stations

LUFKIN

Ladies In Industry Event



Ladies In Industry Event

Pump & Turbo 2013 MEDIA PARTNERS

- ACC Smart Brief
- API Smart Brief
- BIC Alliance
- Chemical Engineering
- Chemical Processing
- Co-generation & Onsite Power Production
- Cooling Technology Institute
- CompressorTech Two
- Diesel & Gas Turbine Worldwide
- Empowering Pumps
- Energy Tech
- Epoch Times Media Inc.
- Examiner.com
- Flow Control
- Fluid Sealing Association
- Gas Turbo Technology
- Gear Solutions
- Hydrocarbon Engineering
- Hydrocarbon Processing
- Industrial Hygiene News
- International Thermal Spray Association
- LNG Industry
- Lubrication Management & Technology
- Maintenance Technology
- Modern Power Systems
- Modern Pumping Today
- Oil & Gas Magazine
- Oil, Gas & Petrochem Equipment
- Oiltizer
- Orbit
- PetroPages.com
- Plant Services
- Pollution Equipment News
- Power
- Processing
- PTQ Magazine
- Pumps & Systems
- Reliabilityweb.com
- TAMU Energy Institute
- Turbomachinery International
- World Pipelines

Save the date

FUTURE EVENTS



The exhibit hall is 84% booked; reserve your booth location today.
Email exhibit@turbo-lab.tmu.edu



Abstract Submissions Due March 2, 2014.
For more information email pubs@turbo-lab.tamu.edu

Turbo Lab

CONTACT INFORMATION



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Turbomachinery & International Pump Users Symposia
Event website: pumpturbo.tamu.edu
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