

- Int. Conf on HTSE in Automotive Applications:
- Keynote Speakers
- Programme
- Tooling Conference and Exhibition

Programme available:



THERMAL PROCESSING IN MOTION

Including the 4th International Conference on Heat Treatment and Surface Engineering in Automotive Applications

June 5-7, 2018 | Spartanburg, South Carolina

The banner features a dark background with a stylized logo of three interlocking circles on the left and a photograph of a train in motion on the right.

The programme of this next IFHTSE conference

<https://asm.confex.com/asm/tpm2018/webprogram/meeting.html>

features three keynote lectures and as many as 60 papers on hot topics in automobile applications of Heat Treatment and Surface Engineering, including a specific “Residual stress workshop”.

Keynote speakers:

Joe Epperson

recently retired Senior Metallurgist for the NTSB:
“NTSB and its Materials Laboratory”

The National Transportation Safety Board (NTSB) impartially investigates transportation accidents, determines the causes and makes recommendations based on lessons learned to prevent future accidents. Joe Epperson has performed analysis on such accidents as the 2007 collapse of the I-35 bridge in Minneapolis, the crash of Alaska Airlines flight 261 in 2000 and the 1996 explosion and destruction of TWA flight 800 near Long Island.



Dr. Rafael Colás Ortiz, FASM
Professor and Metallurgist Engineer,
Faculty of Mechanical and Electrical Engineering,
Universidad Autónoma de Nuevo León, Mexico



**“Metallurgical Aspects of Aluminum
Power Drive Components”**

Dr. Richard D. Sisson, FASM
George F. Fuller Professor of Mechanical
Engineering and
Director of Manufacturing and Materials
Engineering
Worcester Polytechnic Institute, USA



**“Challenges and Opportunities for the Heat
Treating Community: Threats, Risks and Benefits”**

The sessions cover, outside the Residual Stress Workshop:

- Quenching and Quenchants, three sessions
- Thermal Processing: Phase Transformations, Microstructure/Property Relationships, three sessions
- Surface Hardening (Plasma, Induction, Laser, Electron Beam)
- Thermomechanical Thermal Processing (Nitriding, Carburizing), two sessions
- Advances in Thermal Processing
- Additive Manufacturing Thermal Processing

Student and Academic Research Awards of 2000 \$ each will be given to

- a student whose research, presented as an oral or poster presentation, is of extraordinary quality and impact to the field of thermal processing
- a school, program, or research lab that has presented research with a major impact in the field of thermal processing; a student will be selected from that group to receive the award.

11th Tooling Conference & Exhibition



“Communication along the supply chain in the tooling industry” will be the motto of this event, and since heat treatment is a crucial step in this process chain IFHTSE supports it. It will provide a great opportunity for technical exchanges between end-users of tools, manufacturers of tool steels and further processors of tool components as well as the scientific community. More than 200 experts from industry and science are expected to attend, making the conference an excellent meeting point to present your ideas, developments and findings to interested people from within and around the sector.

Conference Topics will include:

- Tool requirements
- Tools in applications
- Properties of tools and tool steel
- Steel design and development
- Manufacturing of tool steels and tools using conventional and additive technologies (AM)
- **Processing of tools including machining, heat treatment and surface conditioning**
- Testing
- Simulation and modelling

See the complete call for papers

<https://tooling2019.com/call-for-papers.html>

...and submit your abstract until **July 13, 2018!**

The biggest event 2018 worldwide in Heat Treatment and Surface Engineering:



2018 | **IFHTSE**
**25th Congress of
International Federation for
Heat Treatment and
Surface Engineering**
11-14 September 2018 | Xi'an China
Organized by
 Chinese Heat Treatment Society
www.chts.org.cn

Programme now available:
<http://www.qde2018.jp/program.html>



**QDE2018
in NAGOYA, JAPAN
27-29, Nov, 2018**
Venue: Nagoya Congress Center

<http://www.qde2018.jp/>

Forthcoming Conferences

2018	SEP	11-14	25th IFHTSE Congress	Xi'an	China	www.25ifhtse.org	
2018	OCT	16-18	Härterei-Kongress [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2018	NOV	20-21	Vacuum Heat Treatment and Heat Treatment of Tools [languages: Czech/English]	Púchov	Slovak Republic	www.htconference.cz/en	
2018	NOV	27-29	International Conference on Quenching and Distortion Engineering	Nagoya	Japan	http://www.qde2018.jp/	
2019	MAY	12-16	Tooling 2019	Aachen	Germany	https://tooling2019.com/	
2019	MAY-JUNE		European Conference on Heat Treatment		Italy		
2019	SEP	18-20	26th IFHTSE Congress	Moscow	Russia		
2019	OCT	15-17	Heat Treat 2019		USA		
2019	OCT	22-24	HK 2019 [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2019	NOV		4th Mediterranean Conference on Heat Treatment and Surface Engineering	Istanbul	Turkey		
2020			European Conference on Heat Treatment		Benelux		
2020	JUNE or SEP		5th International Conference on Thermal Process Modelling and Simulation (ICTPMS)		Croatia		