

Call for Papers Abstract Deadline:
February 6, 2012
Back in Chicago where it all began in 1992.



6th International Quenching and Control of Distortion Conference

Including the 4th International Distortion Engineering Conference

September 10-13, 2012 • Radisson Blu Aqua Hotel • Chicago, Illinois USA

Practitioners, engineers and researchers from academia and industry...

Join us for the next meeting of the **6th International Conference on Quenching and Control of Distortion**, including the **4th International Distortion Engineering Conference**. Make the most of this opportunity to gain insight into the rapidly expanding research and practical applications from a global perspective. This event offers the attendee and presenter a unique forum to discuss the ongoing activities on solving distortion issues within research institutes and industries worldwide.

Promote your research and advance the industry for the future. Organizers seek technical papers on the following topics:

- Fundamentals Principles
- Material and Shape Optimization
- Control and Elimination of Distortion
- Quenchants (oil, polymer and other quenchants)
- Process Methodology to Control Distortion and Residual Stresses
- Measurement of Residual Stresses
- Modeling of Processes and Phenomena
- Heat Transfer as applied to Distortion Control
- Agitation Measurement and Control; Computational Fluid Dynamics
- Equipment Design and Fixturing
- Finite Element Analysis and Constitutive Equations; Boundary Conditions
- Relationship of Microstructure and Quenching

Sponsored by:



Heat Treating Society
An Affiliate Society of ASM International®



4th International Conference on
IDE
DISTORTION
ENGINEERING
2012

Media Sponsor:



For more information and to submit your abstract, visit www.asminternational.org/qcd.

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Causes for distortion can be found in every step of the manufacturing process, especially when it comes to quenching. Learn methods for reducing distortion through the latest quenching methodologies at the **6th International Quenching and Control of Distortion Conference**, which will include the **4th International Distortion Engineering Conference**.

The First International Conference on Quenching and Distortion was held in Lincolnshire, Illinois in 1992. Since that time, it has been held every three/four years in a variety of international cities. In celebration of our 20th anniversary, we're bringing this year's conference back to the U.S.A. in Chicago, Illinois.

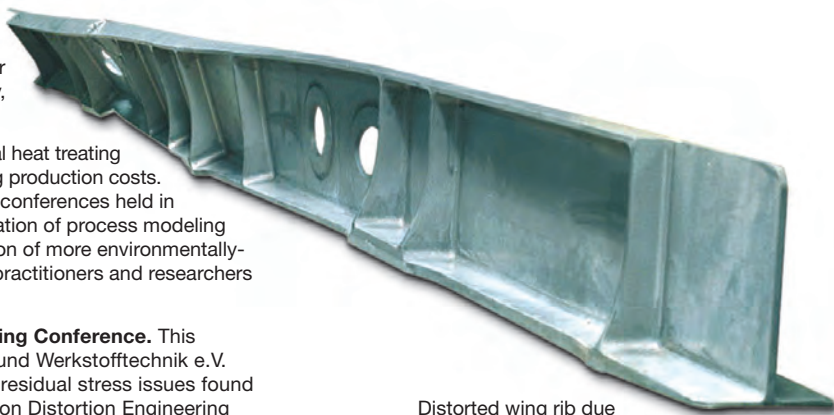
Quenching and Control of Distortion continue to play a critical role in the global heat treating industry. These are considered to be the most critical impediments to reducing production costs. The First International Conference was held to focus on such issues. In later conferences held in Cleveland, Prague, Beijing and Berlin, there has been an explosion of application of process modeling to address these critical issues. Also important is the creation and introduction of more environmentally-friendly quenchants and quenching technologies. Processes, technologies, practitioners and researchers have evolved heat treating to a widely accepted and true science.

This year's conference includes the **4th International Distortion Engineering Conference**. This well-received conference held by Arbeitsgemeinschaft Wärmebehandlung und Werkstofftechnik e.V. (AWT) focuses on a "systems approach" to solving complex distortion and residual stress issues found in every step of the manufacturing process. The International Conferences on Distortion Engineering (IDE) 2005, 2008, and 2011 in Bremen have shown that this system-oriented perspective is necessary for the full understanding and solution of distortion problems.

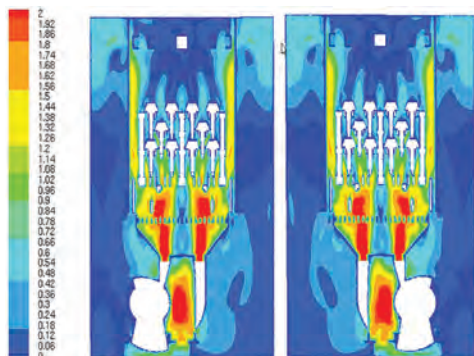
2012 Conference Co-chairs

D. Scott MacKenzie, PhD, FASM
Houghton International

Prof. Bozidar Liscic, PhD, FASM
Croatian Academy for Sciences and Arts



Distorted wing rib due to excessive residual stresses during quenching, associated with improper racking.*



CFD image of a quench tank showing uniform flow.*

Your Opportunity to Present

Contribute to the industry, network with global leaders, collaborate and advance your career. Submit your abstract for presentation.

Abstract Submission Deadline: February 6, 2012

Papers will be published in the proceedings and will be indexed by the major technical indexing agencies. The official language of this conference is English. Abstracts should contain the title of the presentation, full author contact information including author name(s), mailing address, affiliation, phone number and email address. Abstract text should be between 150-200 words.

If your abstract is accepted, it is mandatory that you submit a paper for the proceedings. If a paper is not received, you will not be permitted to present during the conference.

Important Dates

- Abstract Submission Deadline: February 6, 2012
- Confirmation of Accepted Papers: March 12, 2012
- Deadline for Manuscripts: June 18, 2012

Registration

Registration is scheduled to open January 2012. Plan now to be part of this exciting conference. All attendees and speakers are required to register for the conference. Registration fees will include one copy of the conference proceedings; Welcome Reception, one conference dinner and all catering during the conference. A special program for accompanying guests will be offered.

Sponsorship/Advertising

Companies interested in advertising, sponsorship or customizing a program to meet your specific needs, contact Kelly Thomas, National Account Manager, at kelly.thomas@asminternational.org or 440.338.1733.

Housing/Event/Location Information

Radisson Blu Aqua Hotel is the event location as well as our headquarters hotel. Exclusive low rates are available for event attendees. Plan now and make your reservations. Radisson Blu Aqua Hotel 221 North Columbus Drive Chicago, Illinois 60601 USA 800.333.3333 Fax: 312.565.0258

Contact Us

For further information on the **6th International Quenching and Control of Distortion Conference**, including the **4th International Distortion Engineering Conference**, contact ASM at ASM International 9639 Kinsman Road Materials Park, Ohio 44073-0002 USA Phone: 440.338.5151 Toll Free: 800.336.5152 Fax: 440.338.4634 email: memberservicecenter@asminternational.org www.asminternational.org



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