



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

QDE conference draws packed halls in Vancouver



Gabriel Ebner, right, won first prize in the Fluxtrol Student Research Competition at QDE.

High energy and cutting-edge technology were on display recently at the Third International Conference on Quenching and Distortion Engineering (QDE) in Vancouver. A strong technical program and co-location with AeroMat and the International Thermal Spray Conference left attendees with new contacts and new information to bring back to their organizations. Between the three co-located events, approximately 905 people attended from 28 countries, with 105 exhibitors. There were 460 presentations across the three events, with seven keynote speakers.

FLUXTROL STUDENT RESEARCH COMPETITION AT QDE

At the recent Quenching and Distortion Engineering Conference in Vancouver, Canada, the following winners were announced:

»First Prize \$1,000 to Gabriel Ebner, Leibnitz-Institut für Werkstofforientierte Technologien (IWT), Bremen, Germany for his paper "Shaft Distortion as a Result of Local Flow Inhomogeneities During Oil Quenching in an Industrial Quench Tank."

»Second Prize \$500 to Niki Nouri, Karlsruhe Institute of Technology (KIT) for her paper, "Influence of Tempering Transformation Induced Plasticity (T-TRIP) on the Evolution of Residual Stresses in Laser Heat Treated 50CrMo4 Steel."



Niki Nouri, right, won second prize in the Fluxtrol Student Research Competition at QDE.

Judges included Chair – Rob Goldstein FASM, Fluxtrol; Dr. Stefan Hock – IFHTSE, Dr. D. Scott Mackenzie FASM – Retired Quaker Houghton Technical Fellow; Prof. Lesley Frame – University of Connecticut; Prof. Rainer Fechte-Heinen – IWT, Dennis Beauschesne – ECM; and Dr. Masahiro Okumiya, Toyota Technological Institute.

The Fluxtrol Student Research Competition offers young innovative scientists/professionals a competition-based award and recognition program, seeking to encourage participation of young scientists in the ASM Heat Treating Society and IFHTSE, and to provide attractive offers and opportunities in the worldwide Thermal Processing community.

Students who are pursuing an undergraduate or post graduate degree at a university or are within one year of graduation but conducted the research while still enrolled at a university, having completed an aspect of thermal processing research, are eligible.



LESLEY FRAME ACHIEVES PROFESSORSHIP

Dr. Lesley Frame was recently awarded full professorship at the University of Connecticut. She is currently vice president of IFHTSE and

will assume president of IFHTSE in January 2026.

Prof. Frame received her Ph.D at the University of Arizona in 2009. She is focused on structure-processing-property-performance relationships for engineering alloys. Current research involves residual stress analysis of aerospace alloys during manufacturing, characterization of flow stress and transient properties of alloys, corrosion behavior of additively manufactured alloys, and corrosion protection on bridges.

Prof. Frame is a Fulbright Fellow, U.K., Cardiff University Wales (2009). She was awarded the ASM Bronze Medal and ASTM Award of Achievement in 2017.

CONFERENCE UPDATES

30th IFHTSE World Congress
August 19-22, 2025 | Suzhou, China

The 30th IFHTSE World Congress, sponsored by the Chinese Heat

Treatment Society (CHTS), follows the 25th World Congress in Xi'an

in 2018. More details are forthcoming as available.
The event will be at the Suzhou Shishan International Conference Center in Suzhou City, Jiangsu Province, China.
The historically long friendship between CHTS and the IFHTSE has led to successful cooperation on several significant events, such as the Third International Congress on Heat Treatment of Materials in Shanghai in 1983, the 14th IFHTSE Congress in Shanghai in 2004, the 20th IFHTSE Congress in Beijing in 2012, the 25th IFHTSE Congress in Xi'an in 2018, and the Second International Conferences on Energy and

PLENARY LECTURES

» **Massimo Pellizzari:** "Impact of heat treatment and nitriding on the properties of additively manufactured tool steel."

» **Watanabe Yoichi:** "Trends in surface heat treatment technologies based on nitriding in Japan."

» **Marcel Somers:** "Thermally activated martensite formation; an exception or the rule?"

IMPORTANT DATES

» **Deadline for Abstract & full Paper Submission:** June 30, 2025.

» **Notification of Acceptance:** July 15, 2025.

» **Deadline for Early Bird Registration:** July 31, 2025.

For more information, go to: ifhtse2025.com/index.html

31st IFHTSE World Congress
Cologne, Germany | October 13-15, 2026

Organized by AWT – Arbeitsgemeinschaft Wärmebehandlung + Werkstofftechnik e. V. – more information will be provided when it becomes available.

IFHTSE 2025 EVENTS

AUGUST 19-22

30th World Congress

Suzhou, China | www.ifhtse.org/events/696/

OCTOBER 13-15, 2026

31st World Congress

Cologne, Germany | www.ifhtse.org/events/31st-ifhtse-world-congress/

For details on IFHTSE events, go to www.ifhtse.org/events



EXECUTIVE COMMITTEE

Prof. Massimo Pellizzari | President
University of Trento | Italy

Prof. Masahiro Okumiya | Past President
Toyota Technological Institute | Japan

Dr. Lesley Frame | Vice President
University of Connecticut | USA

Dr. Stefan Hock | Secretary General
IFHTSE | Italy

Dr. Imre Felde | Treasurer
Óbuda University | Hungary

OTHER MEMBERS

Prof. Rafael Colas | Universidad Autónoma de Nueva Leon | Mexico

Prof. Jianfeng Gu | Shanghai Jiao Tong University | China

Dr. Patrick Jacquot | Bodycote Belgium, France, Italy | France

Bernard Kuntzmann | Listemann AG | Switzerland

Dr. Scott Mackenzie | Quaker Houghton Inc | USA

Prof. Larisa Petrova | MADI University | Russia

Prof. Reinhold Schneider | Univ. of Appl. Sciences Upper Austria | Austria

Prof. Marcel Somers | Technical University of Denmark | Denmark

Prof. Mufu Yan | Harbin Institute of Technology | China

ONLINE www.ifhtse.org | **EMAIL** info@ifhtse.org