



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

Tadashi Furuhashi to be given IFHTSE medal at World Congress

IFHTSE Medal will be awarded to Prof. Tadashi Furuhashi of Tohoku University in Sendai, Japan.

The citation reads: “For his life-time achievement in the physical metallurgy of diffusional and displacive phase transformations in steels and titanium alloys and advanced microstructure characterization with electron microscopy techniques.”

The award ceremony will be during the 29th IFHTSE World Congress on September 30, 2024, in Cleveland Ohio.

Tadashi Furuhashi was born in 1960 in Japan. He received both his bachelor's and master's degrees in engineering from the department of metal science and technology at Kyoto University and his PhD from Carnegie Mellon University in the U.S. From 1989 to 2005, he was employed at Kyoto University. He has been a professor at the Institute of Materials Research (IMR) at Tohoku University in Sendai since 2005. During his career, Prof. Furuhashi has served as director of IMR; he is currently director of The Iron Steel Institute of Japan and The Japan Society for Heat Treatment. Furthermore, he is editor of *Acta Materialia* and *Scripta Materialia*.

Prof. Furuhashi's research achievements concern diffusive and displacive phase transformations in metallic materials, microstructure control by thermochemical processing in ferrous and non-ferrous alloys, as well as shape memory alloys and surface engineering of steels. His academic work from the University of Kyoto and Tohoku University is well-known and well-cited in the discipline of physical metallurgy. He is particularly recognized for his work on variant pairing and variant selection in ferrous martensite and bainite. For his research activities, Prof. Furuhashi and his team excel in the application of a suite of electron microscopy and electron diffraction techniques as well as atom probe tomography.



Tadashi Furuhashi

Conference on Thermal Process Modeling and Simulation (5th ICTPMS). These two IFHTSE conferences will be in Lecce, Italy.

The conferences aim to provide a forum where engineers, scientists, researchers, and production managers can review and discuss fundamentals, new challenges, recent progress, and emerging topics in the fields of advanced heat treatment and surface engineering technology.

TPMS-5 aims at covering all aspects of modeling and simulation of thermal processes.

»More info: www.aimnet.it/eng/manifestazione.php?id=789&idc=4

2nd Bosphorus International Heat Treatment Symposium April 25-26, 2024 | Istanbul, Türkiye

BHTS'2024 — 2nd Bosphorus International Heat Treatment Symposium will be at the Halic Congress Center in Istanbul April 25-26, 2024, in cooperation with MISAD — Heat Treatment Industrialists Association and METEM-UCTEA Chamber of Metallurgical and Materials Engineers' Training Center.

With the scope of this symposium, a space will be created where the challenges in advanced heat-treatment technologies, current R&D studies, new developments, and different ideas will be discussed. Within this framework, local, foreign, and international companies are invited that want to exhibit their products, services, and exemplary applications to support them as participants. The symposium is in Turkish and English. Turkish-English simultaneous translation will be provided in all sessions.

»More info: www.bhtsheat.com/en

European Conference on Heat Treatment and Surface Engineering 2024 (and A3TS 50th Congress) June 5-7, 2024 | Toulouse, France

The ECHT 2024 Conference and the 50th Annual A3TS Congress will take place together in Toulouse, France June 5-7, 2024. The focus will be on processes and technologies for a sustainable future in transport and industry. The conference will deal with all fields of heat treatment and surface engineering: heat treatment of metals (iron and steel, non-ferrous alloys); thermochemical treatment of metals; coat-

CONFERENCE UPDATES

4th Mediterranean Conference on Heat Treatment and Surface Engineering (MCHTSE 2024)

April 17-19, 2024 | Lecce, Italy

MCHTSE 2024 will be held together with the 5th International



The 29th IFHTSE World Congress, a premier global event dedicated to advancing the fields of heat treatment and surface engineering, will be held Sept. 30 to Oct. 3 in Cleveland, Ohio. (Courtesy: Shutterstock)

ings and surface treatments; coatings and surface treatments including dry treatment operations (PVD, CVD, plasma, thermal spraying, etc.); and wet treatment operations (electrochemistry, etc.). Specific sessions will be devoted to the aerospace industry. Additional focus areas include:

» Contribution of innovative heat and thermochemical treatments to EU climate goals.

» Digital technologies in heat treatment and surface engineering industries.

» Coatings made from enhanced materials for electrical and thermal conductivity.

» Surface engineering to address environmental constraints.

» New needs in tribological properties: an open challenge for heat treatment and surface engineering.

» **More info:** echt2024a3ts.sciencesconf.org

29th IFHTSE Congress

September 30-October 3, 2024 | Cleveland, Ohio

The ASM Heat Treating Society (HTS) and the International Federation

for Heat Treatment and Surface Engineering (IFHTSE) present the 29th IFHTSE World Congress, a premier global event dedicated to advancing the fields of heat treatment and surface engineering. Co-located with ASM's annual meeting, IMAT 2024, the congress is scheduled for September 30-October 3, 2024 in Cleveland, Ohio.

The 2024 IFHTSE World Congress revolves around the theme "Innovations in Heat Treatment and Surface Engineering for a Sustainable Future." Emphasizing the critical role of these technologies in shaping a sustainable world, the event will explore the latest developments, breakthroughs, and practices that can enhance the efficiency, performance, and environmental impact of heat treatment and surface engineering processes. In addition, traditional heat-treating topics will be offered.

Important dates:

» **Author Notifications of Acceptance:** March 29, 2024.

» **1st Draft of Manuscript Due:** May 17, 2024.

» **Editor Feedback to Authors:** June 14, 2024.

» **Final Manuscripts Due:** June 28, 2024.

» **More info:** www.asminternational.org/ifhtse-congress

SPOTLIGHT ON MEMBERS

University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture

The University of Zagreb (founded in 1669) is the oldest and largest university in southeastern Europe. As a comprehensive public central European university, University of Zagreb offers education and research and in all scientific fields (arts, biomedicine, biotechnology, engineering, humanities, natural sciences, and social sciences) and a broad spectrum of courses at all study levels, from undergraduate to postgraduate. With 29 faculties, three art academies and the University Centre for Croatian Studies, it is the flagship educational institution in the country, a place where more than 7,900 teachers and 72,480 students develop knowledge and acquire skills.

» **More info:** www.unizg.hr

ABOUT IFHTSE

IFHTSE is a federation of organizations not individuals. There are three groups of members: (a) scientific or technical societies and associations; (b) universities and registered research institutes; and (c) companies.



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