

10th International Conference on Tube Hydroforming - TUBEHYDRO2022

November 14-17, 2022, Matsue (Shimane) Japan

<http://tube.istp.jp/tubehydro2022> E-mail: tubehydro@mt.mce.uec.ac.jp

2nd Announcement and Call for Papers

Organized by

The Japan Society for Technology of Plasticity, Tube Forming Committee
The Korean Society for Technology of Plasticity
The China Society for Technology of Plasticity
The Taiwan Society for Technology of Plasticity
The Iron and Steel Institute of Japan, Division of Processing for Quality Products, Pipe and Tubes Forum

About TUBEHYDRO conference

The International Conference of Tube Hydroforming, 'TUBEHYDRO' was initiated in 2003 at Kariya city, Japan co-hosted by the Japan Society for Technology of Plasticity (JSTP) and the Korean Society for Technology of Plasticity (KSTP). This TUBEHYDRO conference series were held in Gyeongju, Korea (2005), Harbin, China (2007), Kaohsiung, Taiwan (2009), Hokkaido, Japan (2011), Cheju, Korea (2013), Xian, China (2015), Bangkok, Thailand (2017), and Kaohsiung, Taiwan (2019). The 10th conference in 2022 will be held in Japan.

Toward a low-carbon society with the global CO₂-reduction, a weight reduction of the vehicles is one of the most indispensable technological strategies. 'Tube hydroforming' is a key technology for producing lightweight components to realize it.

The conference will focus not only on the recent experimental, computational, and theoretical research achievements on tube hydroforming technology, but also on the industry application development, solutions for mass production and topics concerning quality control, etc. It provides a chance for academics, researchers, and engineers to meet and exchange innovative ideas and information on all aspects of related tube/sheet hydroforming technologies. The conference tends to gather the entire international community involved in the world domain of tube hydroforming and the related fields from academia as well as from industry. You are welcome to contribute in the conference and make it fruitful together with us.

Honorary Chair

Prof. Emeritus Ken-Ichi MANABE (Tokyo Metropolitan University, Japan)

Conference Chair

Prof. Takashi Kuboki

The University of Electro-Communications

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Conference Co-Chair

Masaaki Mizumura (National Institute of Technology, Kure College)

Atsushi Shirayori (Utsunomiya University)

Noah Utsumi (Saitama University)



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Paper Submission

Abstracts of max.400 English words should be submitted firstly by 28 Feb. 2022 to the conference Secretariat. Full manuscripts (4-10 pages) or extended abstracts (2-3 pages) should be written in standard manuscript format (A4 size). All accepted papers for oral presentations will be published in the proceedings.

Important days

Conference date: 14-17 November 2022

~~28 Feb.~~ 30 April. 2022: Abstract submission

~~30 April.~~ 31 May. 2022: Full manuscript or Extended abstract submission

31 Aug. 2022 Early registration

Registration Fees

Early registration	JPY 40,000
Late registration and on-site	JPY 50,000
Accompanying person	JPY 20,000 (only welcome party & banquet)
Student	JPY 20,000

Conference Topics

Experimental/theoretical/simulation results of tube hydroforming
 Sheet hydroforming and hydro-bulging Design of hydroforming die
 Formability in tubeforming Mechanical/numerical testing of tubes
 Tube fabrication for tubeforming
 AI and DX for tubeforming
 Hydro & mechanical tube forging
 CNC bending and laser cutting for tubeforming
 ERW, laser welding and joining in tubeforming Piercing and joining in tubeforming
 Micro forming/testing Tubeforming technologies for automotive parts
 New Processing Technology and Innovation



Conference Site

Kunibiki Messe (Shimane Prefectural Convention Center)

1-2-1 Gakuen Minami, Matsue-City, Shimane Prefecture 690-0826, Japan

The local organizing committee believes that face-to-face conference at the venue is the best way to know/communicate each other and to expand future personal connections over the world. **However, the holding method is going to be "onsite & online hybrid" according to situation of the COVID-19 pandemic.**

Information of Conference Site

<Shimane>

Shimane Prefecture is situated in the northern region of Western Japan, facing the Sea of Japan. The land is blessed with riches both from the Sea of Japan and from the Chugoku mountain range.

<https://www.kankou-shimane.com/en/>

<Matsue> – a very clean and beautiful city (<http://en.matsue-cvb.jp/>)

Squeezed between two lakes, the Sea of Japan and a mountain ridge line, lies the capital of Shimane. Blessed with a natural hot spring, Tamatsukuri Onsen is one of the oldest hot spring areas in Japan. Lake Shinji contains seven delicacies with the most popular being shijimi clams which are said to be good for the skin.