

11th International Conference on Tube Hydroforming – TUBEHYDRO2024

November 3~5, 2024, Incheon, South Korea

Homepage: <https://sites.google.com/view/tubehydro2024>
<http://tubehydro2024.kstp.or.kr>

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1st Announcement and Call for Papers

Organized by

Research Institute of Intelligent Manufacturing & Materials Technology
(Korea Institute of Industrial Technology, KITECH)
The Korean Society for Technology of Plasticity
The Japan Society for Technology of Plasticity
The China Society for Technology of Plasticity
The Taiwan Society for Technology of Plasticity

About TUBEHYDRO conference

In response to the growing demand for environmentally friendly manufacturing in the automotive industry, 'Tube Hydroforming' technology has emerged as a crucial method for producing lightweight components, thereby contributing significantly to the realization of a low-carbon society. To facilitate the exchange of innovative ideas and information among academics, researchers, and engineers concerning all aspects of tube/sheet hydroforming technologies, the international conference "TUBEHYDRO" was established in 2003 in Kariya city, Japan. Since its inception, this biennial conference series has been hosted in various locations, including Gyeongju, Korea (2005), Harbin, China (2007), Kaohsiung, Taiwan (2009), Hokkaido, Japan (2011), Jeju, Korea (2013), Xian, China (2015), Bangkok, Thailand (2017), Kaohsiung, Taiwan (2019), and Matsue, Japan (2022). Now in its 11th iteration, TUBEHYDRO 2024 is scheduled to take place in Korea.

The conference will not only focus on recent experimental, computational, and theoretical research achievements in tube/sheet hydroforming technology but also on industry application development, solutions for mass production, and topics related to intelligent quality control, among others. Delegates will have the opportunity to exchange their new ideas, results, and even cultures. We welcome your contribution to the conference and invite you to join us in making it a fruitful and collaborative experience.

Venue & Accommodation

Detailed information will be available on the conference website.
- Orakai Sondo Park Hotel <https://songdo.orakaihotels.com>

Technical Topics

The main topics of the conference include but are not limited to the following:

1. General tube forming technology
2. Tube hydroforming
3. ERW and laser welded tubes for hydroforming
4. Sheet hydroforming and hydrobulging
5. Hot (Warm) forming, Die quenching
7. Hot blow forming
8. Sheet metal forming
9. Lightweight materials (Al, Mg, Ti, etc.)
10. Material characterization and modeling
11. Intelligent forming technology

The conference encompasses a broad spectrum of research areas, covering topics such as the formability of tube hydroforming, experimental and theoretical results of tube hydroforming, numerical Simulation of tube/sheet hydroforming, design of hydroforming die, hydropiercing and hydrojoining, CNC bending, laser cutting related to tube hydroforming, material characterization, and intelligent forming technologies.

Paper Submission

Prospective authors are invited to submit an abstract of max.400 words in English. The submitted abstracts will undergo a review process by a selection committee. The complete abstract must be submitted in PDF format via [EasyChair](#) platform in Tubehydro2024 homepage. Authors whose abstracts are accepted will be notified and requested to submit a 4-8 page paper in accordance with the conference schedule—all accepted papers, whether for oral or poster presentations, will be published in the conference proceedings. Selected papers will be further invited to publish in SCI(E) journal.

Important Dates

April 15, 2024 : Abstract submission
May 15, 2024 : Notification of acceptance
June 1, 2024 : Full paper submission
June 30, 2024 : Notification of paper acceptance
Aug. 15, 2024 : Early registration
Nov. 3-5, 2024 : Conference

Registration Fee

Early registration
Regular US\$500 / Student US\$250
Late and on-site registration
Regular US\$550 / Student US\$300
Accompanying person
US\$200

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