

Ultrafast Laser Processing Forum (Korea-Germany)



16th September, 2015
09:30~20:00



at Korea Institute of Machinery & Materials (KIMM)

- 1kW Femtosecond Laser
- Ultrafast Laser Application for Industry
- Ultra Precision Nano-Micro Machining
- 1:1 Technical Matchmaking Meeting

Hosted by



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Welcome Message

The Ultrafast laser processing forum will be held at Korea Institute of Machinery & Materials, Daejeon, the city of science. Valuable lectures will be given by leading researchers in the laser field from Germany. It will be a great opportunity to face a state of the art laser technologies, which includes 1 kW femtosecond laser. We hope that researchers and professionals who attend the forum will enjoy the exchange of technical insights.

Ultrafast Laser Processing Forum (Korea-Germany)
Prof. Dr. Sung Hak CHO
Forum Chair



Location

Korea Institute of Machinery & Materials (KIMM)
Grand ballroom (Building 1)

Address : 156 Gajeongbuk-Ro, Yuseong-Gu, Daejeon, Korea
- 30 min from Daejeon KTX station by Taxi



Program

Date: September 16 (Wednesday)

Ultrafast Laser Processing Forum (Korea-Germany)

09:30 ~ 10:00	Registration	General Chair : Prof. Dr. Sung-Hak Cho (KIMM)
		Session chair: Prof. Dr. Sung-Hak Cho (KIMM)
10:00 ~ 10:10	Congratulatory Message	Prof. Dr. Y.T. Im (President, KIMM) Dr. Taehoon Choi (Chair, FITN)
10:10 ~ 10:20	Opening Remarks	Prof. Dr. Sung-Hak Cho (KIMM)
10:20 ~ 11:00	Advancements in USP-micro structuring	Dr. Patrick Gretzki [Fraunhofer ILT]
11:00 ~ 11:20	Coffee Break (Exhibition)	
		Session chair: Prof. Dongsik Kim (POSTECH)
11:20 ~ 11:50	Picosecond, femtosecond and beyond: Will the trend to shorter pulses continue?	Mr. Christof Siebert [TRUMPF]
11:50 ~ 12:20	Increasing laser processing efficiency with ultrashort pulsed lasers using a Multi-Beam Scanner	Dr. Joachim Ryll [Pulsar Photonics]
12:20 ~ 13:30	Lunch (Exhibition)	
		Session chair: Dr. Jens Holtkamp [Pulsar Photonics]
13:30 ~ 14:00	Laser Applications in Display Industry	Dr. Bukuk Oh (LG Electronics)
14:00 ~ 14:30	Advanced ps-and fs-lasers and their applications in precision processing	Dr. Keming Du [EdgeWave]
14:30 ~ 15:00	Industrial ultrafast lasers for advanced manufacturing applications	Dr. Clemens Hoenninger [Amplitude]
15:00 ~ 15:15	Coffee Break (Exhibition)	
		Session chair: Sanghoon Ahn (KIMM)
15:15 ~ 15:45	High precision applications with fast and ultrafast disc-lasers	Dr. Markus Röhner [Jenoptik]
15:45 ~ 16:15	High Average Power Ultrafast Lasers based on InnoSlab Technology	Dr. Claus Schnitzler [AMPHOS]
16:15 ~ 16:45	Industrial Architecture of USP lasers	Dr. Georg Ernst [ROFIN]
16:45 ~ 17:00	Coffee Break (Exhibition)	
		Session chair: Prof. Fabian Rotermund (Ajou Univ.)
17:00 ~ 17:30	Current Statue and Future Demands on Ultrafast Laser in Industrial Applications	Dr. Nam Seong Kim (EO Technics)
17:30 ~ 18:00	Novel materials processing with femtosecond fiber sources	Dr. Ronald Holzwarth[Menlo Systems]
18:00 ~ 20:00	1:1 Technical Meeting and Reception (ICC Hotel Daejeon)	

Committees

Chair	Cho, Sung Hak (KIMM)
Advisory committee	Kim, Dongsik (POSTECH), Fabian Rotermund (Ajou Univ.), Jeong, Yoonchan (SNU), Kim, Joo Han (SeoulTech)
Steering committee	Hwang, Kyung Hyun (KIMM), Kim, Jae Koo (KIMM), Choi, Ji Yeon (KIMM), Yoon, Ji Wook (KIMM), Ahn, Sanghoon (KIMM)

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Contact

Pre-registration is required! (Please, email us.)

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