

INVITED SPEAKERS



Prof. Frank Pude
Steinbeis Consulting Center
High-Pressure Waterjet
Technology
Germany

Area of expertise :

- Suspension waterjet
- Abrasive waterjet
- Biomedical Engineering



Prof. Sergej Hloch
Faculty of Manufacturing
Technologies,
Technical University of
Kosice, Slovakia

Area of expertise :

- Material Processing
- Abrasive waterjet
- Pulsating waterjet
- Surface treatment
- Biomedical Applications



Thomas Ludewigt
Managing Director
Pro4Innovation UG,
Germany

Area of expertise :

- Chisel-less formation for bore holes
- Chisel-less drilling system
- Lining bore holes for deep bores



Prof. Jan Olaf
Study Center IT Management
& Informatics,
Baden-Wuerttemberg
Cooperative State University,
Germany

Area of expertise:

- Industrial Internet of things
- Industry 4.0
- Digital transformation and business models
- 3D Printing



Prof. N. Ramesh Babu
Department of Mechanical
Engineering,
Indian Institute of Technology,
Chennai.

Area of expertise :

- Manufacturing Technology
- Grinding
- Abrasive Waterjet Machining
- Sheet metal fabrication
- Laser Beam Machining
- CNC, PLCs & Robotics
- Precision Machine Tool development
- Process modeling
- Simulation of manufacturing systems.

In collaboration with (Under
Twinning Activity):

**Birsa Institute of Technology,
Sindri-828123
Jharkhand**



Under the aegis of
TEQIP III

International WORKSHOP on

Waterjet processes and related 4.0 applications

7th & 8th
December 2019



Organized by

**Department of Mechanical Engineering
Indian Institute of Technology (Indian
School of Mines), Dhanbad-826004
Jharkhand**



About us

IIT(ISM) Dhanbad, a fully residential Institute under MHRD, GoI is situated in Dhanbad, Jharkhand, India and it was established in 1926 on the model of Royal School of Mines, London. Apart from earth and mineral science departments of national and international reputation, the institute has expanded with diverse branches in engineering including Computer Science and Engineering, Electronics Engineering, Electrical Engineering, Mechanical Engineering, and also Master of Business Administration. To know about the Institute, please visit at <http://www.iitism.ac.in/>

About the Department

Mechanical engineering department is one of the biggest academic departments of IIT(ISM) Dhanbad. In 1997, the institute began admitting B.Tech students through the Joint Entrance Examination (IIT-JEE). Apart from the B.Tech programme, this department has four post graduation courses namely, M. Tech in Thermal Engineering, Machine Design, Manufacturing Engineering and Tribology and Maintenance Engineering Department has big state-of-the-arts Micromachining, Laser, Non- conventional, Virtual and Reverse Engineering, Heat Transfer, I.C. Engines, Refrigeration and Air-conditioning and Solar Energy Laboratories.

Aims & Objectives

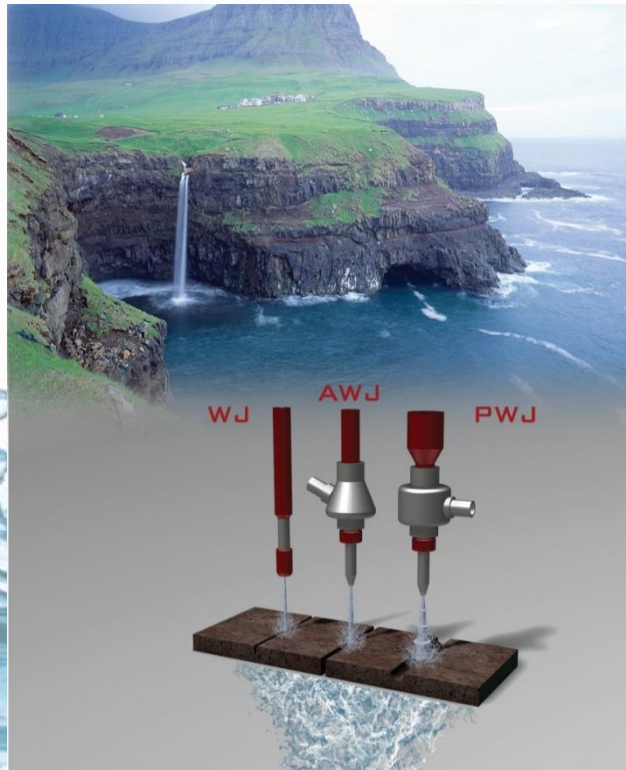
Opportunity to learn about new advances and applications in Waterjet technologies from leading users across the globe.

To provide better and profitable solutions for new business opportunities across the world market.

Industry 4.0' refers to fourth generation of industrial revolution which involves customized and flexible mass production technologies.

The key objective is to drive manufacturing towards faster, more efficient, and customer-centric for new business opportunities and models.

Independent operation of machines with cooperation of humans in creating customer-oriented production field that works constantly on maintaining itself.



Patron

Prof. Rajiv Shekhar

Director, IIT(ISM), Dhanbad

Chairman

Prof. S.N Singh, Head (Mechanical)

Convener and Co-Convener

Dr. Somnath Chattopadhyaya

Dr. Amit Rai Dixit

Dr. Prakash Kumar, BIT Sindri

Organizing Secretary

Dr. Amitava Mandal

Dr. Alok Kumar Das

Joint Organizing Secretary

Prof. Vijay Pandey, BIT Sindri

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For registration please use above QR code
Note: Registration is limited to 100 participants only