

31<sup>st</sup> International Symposium on Shock Waves  
(ISSW31)  
Nagoya University, Nagoya, Japan  
July 9-14, 2017



ISSW31 will be held July 9-14, 2017, at Toyoda Auditorium, Nagoya University, Nagoya, Japan. It is a continuation in the series of biannual international symposia that have been held all over the world since 1957, and will be the third ISSW held in Japan. ISSW provides excellent forum of shock wave research and its applications to science, engineering, medical and other various fields. The symposium will be organized by Japan Society of Fluid Mechanics, and with strong supports from International Shock Wave Institute (ISWI), Shock Wave Research Society of Japan, School of Engineering of Nagoya University, and other societies, organizations, governments and industry.

The subjects that will be covered in ISSW31 include

- Blast waves, Chemical reacting flows, Chemical kinetics, Detonation and combustion, Ignition
- Facilities, Diagnostics, Flow visualization, Spectroscopy, Numerical methods
- Shock waves in rarefied flows/dense gases/liquids/solids, Impact and compaction
- Supersonic jet. Multiphase flow, Plasmas, Magneto-hydrodynamics, Propulsion, Shock waves in internal flows, Pseudo-shock wave and shock train, Nozzle flow, Re-entry gasdynamics, Shock waves in space
- Richtmyer-Meshkov instability, Shock/boundary layer interaction, Shock/vortex interaction, Shock wave reflection/interaction, Shock wave interaction with dusty media/granular media/porous media/obstacles
- Supersonic and hypersonic flows, Sonic boom, Shock wave focusing
- Safety against shock loading, Shock waves for material processing, Shock-like phenomena, Shock wave education
- Medical, biological and industrial applications

Nagoya area is located at the central part of Japan with respect to geography and industry, and the origin of 'Samurai' Shogun Oda, Toyotomi and Tokugawa. We welcome potential participants who have been involved in or are interested in shock wave research & application and related fields. As well as scientific programs, participants will enjoy cultural activities including Grand Sumo Tournament watching held during the symposium period. For detailed and updated information, please visit

<http://akagi.nuae.nagoya-u.ac.jp/issw31/index.html>

### Abstract submission

One-page abstracts are invited to submit after the submission site opens in the above URL in July, 2016. The abstract submission closes November, 2016. An acceptance notification will be sent January, 2017.

### Important Dates

#### 2016

May	1st Announcement
<b>July</b>	<b>Abstract submission opens</b>
September	2nd announcement
<b>November</b>	<b>Abstract submission closes</b>

#### 2017

January	Notification of acceptance Paper submission opens
March	Early registration opens
July	ISSW31

### International Advisory Committee

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### Local Organizing Committee

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### Contact

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