



THE SEVENTH INTERNATIONAL WORKSHOP

**NEW METHODS OF DAMAGE AND FAILURE
ANALYSIS OF STRUCTURAL PARTS 2016**

<http://konference.fmmi.vsb.cz/work2016/>

Organized by

VŠB-Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering
Yokohama National University, Faculty of Engineering, Institute of Advanced Sciences

Under the auspices of

Ministry of Foreign Affairs of Japan
Embassy of the Czech Republic in Tokyo
Yokohamama Convention & Visitors Bureau

Welcome Message

Dear Friends and Colleagues,

With great pleasure the Organizing Committee is sending the final circular of **The Seventh International Workshop, New Methods of Damage and Failure Analysis of Structural Parts 2016**. The workshop is held at the Yokohama National University on 1st–4th November, 2016.

The series of the workshop started in 2004 at VŠB-Technical University of Ostrava and ever since, the workshop has succeeded in discussing interdisciplinary approaches that integrate the knowledge of degradation processes in materials, reliability of engineering parts in service, and transfer of materials research results to industry. This workshop will continue in the tradition of earlier meetings. We believe Yokohama provides an exciting and relaxing place for discussing the latest development, sharing experiences, and planning future collaborations and projects.

The final circular provides updated information on the program. The technical program of the workshop will feature the latest research and state-of-the-art developments in all areas related to damage and failure analyses of structural parts. With best enthusiasms and hospitality, we look forward to seeing you in Yokohama.

Sincerely,



Conference chairman

Professor Bohumír Strnadel

VŠB-Technical University of Ostrava



Conference co-chairman

Professor Osamu Umezawa

Yokohama National University

Committee

Organizing Committee

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Prof. Ivo Dlouhý	Inst. of Physics of Mater., Academy of Sciences of the Czech Republic
Dr. Kunio Hasegawa	Japan Atomic Energy Agency
Prof. Hiroshi Fukutomi	Yokohama National University
Prof. Jan Siegl	Czech Technical University in Prague
Prof. Osamu Umezawa	Yokohama National University (Conference co-chairman)

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C.A.T. (Creative & Academic Tomorrow)

Workshop Information

All relevant information about the workshop is introduced on the following website:
<http://konference.fmmi.vsb.cz/work2016/>

Venue

Yokohama National University, Education and Culture Hall (Building number: S1-2)
<http://www.ynu.ac.jp/english/access/index.html>



Program at a glance

	Nov. 1 (Tue)	Nov. 2 (Wed)	Nov. 3 (Thu)	Nov. 4 (Fri)
Morning	Registration Opening Ceremony Plenary lectures	Plenary lecture Oral Lectures	Oral Lectures Discussion Close of lectures	Full Day Tour at Kamakura & Round Table
Lunch	Lunch (at Cafeteria)	Lunch (at Cafeteria)	Lunch box	
Afternoon	Oral Lectures	Oral Lectures	Free Time	
Evening	Dinner (at Cafeteria)	Dinner (at Cafeteria)	Gala Dinner (at Umayano Syokutaku)	

Round Table Discussion & Tour

The full day tour at Kamakura will include visits to Kamakura main sightseeing spots by walking. It also gives you a chance to experience Japan's traditional culture through the visits exploring Zen temples established in the 12 century. Enrollment can be done at the registration desk.

The tour will start from Yokohama Kokusai Hotel at 8:00 a.m. on November 4. We will move to Kitakamakura station by train and then divide into each courses.

- **Course 1: Kamakura tour (Visit ancient temples), Finish time: approx. 15:00.**
You will visit traditional temples and shrines in Kamakura: Engakuji, Kenchoji, Tsurugaoka Hachimangu, Hasedera, Koutokuin. You can enjoy Japanese traditional temples, shrines and foods in this course.
- **Course 2: Kamakura and Enoshima tour (Visit ancient temples and island with great sea view), Finish time: approx. 18:00.**
In addition to Course 1, you will visit Enoshima island. You can see good sea and sunset view in Enoshima island, and you will be impressed by these great views.
- **Course 3: Kamakura hiking tour (Walk Kiridoshi pass), Finish time: approx. 16:00.**
You will walk the Kiridoshi pass which is man-made passageways for defensive purpose and beautiful green tunnel. After walking the Kiridoshi pass, you will visit temples and shrines: Kotokuin, Hasedera, Tsurugaoka Hachimangu, Kenchoji, Engakuji.
- **Course 4: Short Kamakura tour (Visit ancient temples), Finish time: approx. 12:30**

We visit only highlight points of Kamakura: Kenchoji, Tsurugaoka Hachimangu, Kotokuin. The finish time is approx. 12:30, if you want to visit some other place on the day, please choose this course.

Publication

Contributions will be collected and published with a peer review process in the proceedings by **Key Engineering Materials**, Trans Tech Publications Inc.

Program of the Workshop
New Methods of Damage and Failure Analysis of Structural Parts

November 1-4, 2016

Education and Culture Hall, Yokohama National University

Date/Time	Room L	Room M
Tuesday 1/11/2016		
9:00-	Registration	
9:30-10:20	Opening Ceremony (Umezawa)	-
10:20-10:30	Coffee Break	
10:30-11:30	Plenary Lecture (Ishikawa, Nakao)	-
11:30-13:00	Lunch (at Cafeteria)	
13:00-15:05	TL1: Fracture I (5) (Dlouhý, Shibutani)	TM1: Microstructure(5)(Onuki, Strnadel)
15:05-15:25	Coffee Break	
15:25-17:05	TL2: Fracture II (4) (Siegl, Takahashi)	TM2: Degradation (4) (Koga, Yu)
17:05-17:20	Announcement (Hasegawa)	-
17:30-19:00	Dinner (at Cafeteria)	
Wednesday 2/11/2016		
9:00-9:30	Plenary Lecture (Łagoda, Takahashi)	-
9:30-9:50	Coffee Break	
9:50-11:30	WL1: Strength & Deformation (4) (Koga, Sato)	WM1: Hardness Test (3) (Kida, Yu)
11:30-12:30	Lunch (at Cafeteria)	
12:30-14:35	WL2: Fatigue I (5) (Ishikawa, Łagoda)	WM2: Reliability (5) (Sato, Sigel)
14:35-14:55	Coffee Break	
14:55-17:00	WL3: Fatigue II (5) (Dlouhý, Shibutani)	WM3: Creep (3) (Strnadel, Onuki)
17:00-17:20	Announcement (Hasegawa)	-
17:30-19:00	Dinner (at Cafeteria)	
Thursday 3/11/2016		
9:00-11:05	HL1: New Testing Methods (5) (Nakao, Kida)	-
11:05-11:25	Coffee Break	
11:25-11:45	Closing of Lectures (Strnadel)	-
11:45-12:00	Announcement (Hasegawa)	-
12:00-13:00	Lunch (Lunch Box)	
	Free Time	
18:30-20:30	Conference Gala Dinner (at Umayo no Shokutaku)	
Friday 4/11/2016		
8:00-17:00	Meeting in Kamakura	