

# International Workshop Stratodynamics

Nagasaki University (Japan), August 28-30<sup>th</sup> 2013

*The international workshop "Stratodynamics" aims to develop a new research framework for understanding sedimentary processes, geomorphology and genetic stratigraphy on the basis of morphodynamics of earth surface processes. The topics in the workshop will include experimental and theoretical studies of bedforms, geomorphological processes and the genetic stratigraphy. We also welcome researches based on field measurement, computational modeling and coupled interdisciplinary works. Basic concepts, new methodologies and future research targets will be discussed. Small-group discussions and community experiments are included in the workshop program.*

## Organizing Committee

Tetsuji Muto (Nagasaki University)  
Gary Parker (University of Illinois at Urbana-Champaign)  
Hajime Naruse (Kyoto University)  
Tomohiro Sekiguchi (University of Tsukuba)  
Wonsuck Kim (University of Texas at Austin)  
Miwa Yokokawa (Osaka Institute of Technology)  
Norihito Izumi (Hokkaido University)

## Registration

To register please contact the organizing committee at [stratodynamics@gmail.com](mailto:stratodynamics@gmail.com)

**Registration deadline: July 15<sup>th</sup> 2013**

**No registration fee.**

## Contents of the Workshop

### (1) A New WebTextbook for Sedimentary Processes, Geomorphology and Genetic Stratigraphy

Invited speakers will give talks about the review of several research fields in the workshop. The contents of talks will be uploaded onto the workshop website, with the aim of producing a free web textbook of sedimentary processes, geomorphology and genetic stratigraphy. The

web site will be continuously updated and improved by participants of the workshop.

### (2) Small-Group Discussion Sessions

Small-group discussions about research topics relevant to each participant will be conducted in the workshop. Each group will be composed of 4-5 people, including a mix of students, younger researchers and experienced researchers.

### (3) Flume Experiments

Experiments will be designed and conducted for interactive discussion with the participants. Experiments on bedforms formed by density currents and 2D deltaic response to sea-level change are tentatively planned, but the experimental plan can be changed according to the desires of the participants.

### (4) Oral and Poster Presentations

We welcome submission of abstracts for oral and poster presentations. There will be 3 hours sessions for presentations of participants per each day.

**Abstract submission deadline: July 31<sup>st</sup> 2013**

**E-mail abstracts to:**

[stratodynamics@gmail.com](mailto:stratodynamics@gmail.com)

## Schedule

### Preparation (August 26-27<sup>th</sup> 2013)

Setup of experimental facilities by volunteers

### First Day (August 28<sup>th</sup>)

9:00-11:00: Invited talks  
11:00-12:00: Poster presentation  
13:00-14:30: Oral presentation  
15:00-17:30: Group discussion/experiments  
18:00-20:00: Reception

### Second Day (August 29<sup>th</sup>)

9:00-11:00: Invited talks  
11:00-12:00: Poster presentation  
13:00-15:00: Oral presentation  
15:30-17:30: Group discussion/experiments

### Third Day (August 30<sup>th</sup>)

9:00-11:00: Invited talks  
11:00-12:00: Poster presentation  
13:00-15:00: Oral presentation  
15:30-17:30: General discussion by all participants