

九州大学 IMI 共同利用研究・研究集会 II

**Collaboration among mathematics, engineering and industry
on various problems in infrastructure and environment**

October 25-28, 2016

IMI, Ito Campus, Kyushu University

Room M W1-C-513, West Zone 1,

Ito Campus

744 Motoooka, Nishi-ku Fukuoka 819-0395, Japan

October 25, Tuesday

13:20 Opening

13:30-14:30 Kenji Hashizume (NEXCO West Japan Shikoku Engineering, Japan)

Inspection of bridges, tunnels, and pavement by using cameras

14:40-15:40 Shogo Hayashi (NEXCO West Japan Shikoku Engineering, Japan)

A new challenge for the broad range of highway maintenance technologies

15:40-17:10 Discussion

October 26, Wednesday

11:00-12:30 Cheng Hua (Fudan University, China)

Introduction on mathematical modeling of fatigue crack growth in asphalt concrete

14:00-15:30 Yoshinobu Oshima (CAESAR, Japan)

Damage assessment of concrete structures using chaos and fractal theory

15:30-16:30 Discussion

October 27, Thursday

11:00-12:30 Masahiko Saito (Kobe University, Japan)

Numerical simulation of solute transport in heterogeneous porous media using the stochastic fractal model

14:00-15:30 Kazuei Onishi (Ibaraki University, Japan)

Radioactivity 100 km distant from F1

15:30-16:30 Discussion

October 28, Friday

11:00-12:30 Mikyoung Lim (KAIST, Korea)

Spectrum of the Neumann-Poincare operator and the related properties

12:30-14:00 Discussion over lunch

14:00 Closing

Organizers:

Hiroshi Fujiwara (Kyoto University, Japan)

Takashi Takiguchi (National Defense Academy of Japan)

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