

Ver.2 (2016 11/28) [This program is still tentative.]

Nara Workshop on Nonlinear Dynamics 2016 Dec. **under HAS-JSPS Joint Research Project**

At the meeting room of Faculty of Human Life and Environment
on the **5th floor in Bldg. F** in Nara Women's University
(<http://www.narawu.ac.jp/nwu/intro/access/campusmap/index.html>)

7 December 2016 (Wed.)

Chairman: S. Kitsunozaki

15:00 - 15:20 Zoltan Halasz (**Invited**, Univ. Debrecen, Hungary)

“The role of disorder in desiccation induced cracking”

15:20 - 15:40 Zsuzsa Danku (**Invited**, Univ. Debrecen, Hungary)

“Fracture process in the limit of strong disorder”

15:40 - 16:00 Subhadeep Roy (Earthquake Research Inst., Tokyo Univ.)

“Interplay of Stress Release Range and Disorder in Fracture”

16:00 - 16:20 Hiroki Tanaka (Earthquake Research Inst., Tokyo Univ.)

“Statistical properties of the Olami-Feder-Christensen model on the Barabasi-Albert scale-free network”

16:20 - 16:40 Yuhei Yamada (Waseda Univ.)

“Analysis of fiber bundle model with displacement which is vertical to applied load”

-- 20 min. break ---

Chairman: A. Nakahara

17:00 - 17:30 Yoshihiro Yamazaki (**Invited**, Waseda Univ.)

“Dynamical transition between uniform and rhythmic growth modes of ascorbic acid crystal domain induced by fluidity of its thin solution film”

17:30 - 17:40 Chika Yamanaka (Nara Women's Univ.) ※10min

“Pattern formation of solidification in paraffin melt injected with cool water”

[19:00- Banquet at *Ryozanpaku* (<http://www.nara-ryozanpaku.com/>)]

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8 December 2016 (Wed.)

Morning: meeting of the project members or a short lab. tour (or free time)

--- lunch ---

Chairman: N. Ito

13:00 - 13:30 Ferenc Kun (**Invited**, Univ. Debrecen, Hungary)

“Discrete element modelling of the effect of magnetic field on desiccation induced cracking”

13:30 - 13:50 So Kitsunezaki (Nara Women’s Univ.)

“The memory effect and the particle arrangement in granular paste”

13:50 - 14:10 Satoshi Yukawa (Osaka Univ.)

“Statistical properties of the drainage network in Japan”

14:10 - 14:20 Risa Yoshioka (Doshisha Univ.) ※10min

“Transition of cracking pattern on drying starch paste”

--- 15 min. break ---

Chairman: S. Yukawa

14:35 - 15:05 Takeshi Kawasaki (**Invited**, Nagoya Univ.)

”Macroscopic yielding in jammed solids is accompanied by a nonequilibrium first-order transition in particle trajectories”

15:05 - 15:25 OOSHIDA Takeshi (Tottori Univ.)

“Calculations of deformation gradient correlation in a 1D system of Brownian particles”

15:25-15:45 Takeshi Matsumoto (Department of physics, Kyoto university)

“Modeling of the reversal of large-scale flow in randomly forced two-dimensional turbulence in a square domain”

--- 15 min. break ---

Chairman: Ooshida Takeshi

16:00 - 16:20 Nobuyasu Ito (Tokyo Univ.)

”Social simulation with Exascale computer”

16:20 - 16:40 Naoki Yoshioka (RIKEN)

“Stability and macroscopic behavior in urban traffic network”

16:40 - 17:00 Tsuyoshi Mizuguchi (Osaka Pref. Univ.)

”Size distribution of names and their correlations between local societies”

17:00 - 17:20 Haruka Adachi (Nara Women’s Univ.)

“Characteristics of language usage in questions asked to an online help desk”

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[18:00- Banquet]

Contact information:

Akio Nakahara (Nihon Univ.)

TEL : 047-469-5201, E-mail: nakahara@phys.ge.cst.nihon-u.ac.jp

<http://www.phys.ge.cst.nihon-u.ac.jp/~nakahara>

So Kitsunezaki(Nara Women's Univ.)

TEL: 0742-20-3988, E-mail: kitsune@ki-rin.phys.nara-wu.ac.jp

<http://www.complex.phys.nara-wu.ac.jp/~kitsune/>