

# International Workshop

## Handayama Differential Equation Seminar \*

November 6, 2012

seminar room (north), 7th floor, 20th building  
Okayama University of Science

Organizing Committee:

Satoshi Tanaka (Okayama University of Science, Japan)

Masakazu Onitsuka (Okayama University of Science, Japan)

- 13:00~13:40 Darko Žubrinić (University of Zagreb, Croatia)  
Fractal properties of trajectories of dynamical systems
- 13:50~14:30 Mervan Pašić (University of Zagreb, Croatia)  
Second-order equations with discontinuous coefficients and forcing terms: oscillations of non-smooth solutions
- 14:50~15:30 Shin-Hwa Wang (National Tsing Hua University, Taiwan)  
A theorem on  $S$ -shaped bifurcation curve for a positive problem with convex-concave nonlinearity and its application to the perturbed Gelfand problem
- 15:40~16:20 Kuo-Chih Hung (National Tsing Hua University, Taiwan)  
Bifurcation diagrams of a  $p$ -Laplacian Dirichlet problem with Allee effect and an application to a diffusive logistic equation with predation
- 16:40~17:10 Masakazu Onitsuka (Okayama University of Science, Japan)  
On the uniform asymptotic stability for two-dimensional linear nonautonomous differential systems
- 17:20~17:50 Hiroyuki Usami (Gifu University, Japan)  
Existence of solutions of integral equations related to inverse problems of quasi-linear ordinary differential equations

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Basic Research (A) No. 24244012 (Eiji Yanagida)

Basic Research (C) No. 23540196 (Hiroyuki Usami)

Young Scientists (B) No. 23740113 (Satoshi Tanaka)

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\*"Handayama" is the hill where Okayama University of Science is located.