

**The First Symposium  
on  
Non-linear Analysis and its Applications**

**25 – 27 April 1996**

**The Conference Hall  
MIZUTA Memorial Library  
JOSAI UNIVERSITY**

**Programme**

**25 April 1996**

- 1 Fukiko Takeo (Ochanomizu University)  
Topological property of an invariant set  
with respect to a family of functions
- 2 Toshiko Ogiwara (Tokyo University)  
Stability analysis in Order-Preserving
- 3 Mie Matsudo (Ochanomizu University)  
A Characterization of discrete Dynamical Systems  
by Cellular Automata
- 4 Yohei Komori (Osaka City University)  
Survey of Some Results on Rational Billiards

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- 5 Masayo Fujimura (Nihon University)  
Moduli Spaces of maps with two critical points
- 6 Kiyoko Nishizawa (Josai University)  
Algebraic curves in the above moduli spaces
- 7 Shizuo Nakane (Tokyo Institute of Polytechnics)  
Complex Dynamical Systems on Antiholomorphic Maps
- 8 Mai Matsui (Ochanomizu University)  
Lamination of Julia sets of Quadratic Polynomials  
(lunch)
- 9 Wataru Takahashi (Tokyo Institute of Technology)  
Fixed Point Theorems and Approximation of fixed points  
of nonexpansive mappings
- 10 Li, Shuji (Peking Academy, China)  
Local Linking Theory and Applications
- 11 Norimichi Hirano (Yokohama University)  
Global Existence of Solutions of Nonlinear Elliptic  
Differential Equations
- 12 Noriko Kiyomatsu (Ehime University)  
Robust control with respect to co-prime factors  
of infinite dimensional systems
- 13 Hidetoshi Komiya (Keio University)  
On Berge's Theorem

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- 14 Atsuro Sannami (Kitami Institute of Technology)  
Dynamical Systems of Two-Dimensional maps
- 15 Kiyoko Nishizawa (Josai University),  
Osamu Yamashita (Nagoya University)  
Computer Experiments on Attractors of  
Two-Dimensional Maps
- 16 Masashi Kisaka (University of Osaka Prefecture)  
On the Connectivity of Julia Sets of  
Transcendental Entire Functions
- 17 Hisako Watanabe (Ochanomizu University)  
Layer potentials for a bounded domain  
with fractal boundary