

# Special Section of The IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences on “Nonlinear Theory and its Applications”

The Institute of Electronics, Information and Communication Engineers (IEICE), Japan

The IEICE Transactions on Fundamentals announces a forthcoming Special Section on Nonlinear Theory and its Applications to be published in October, 2007. The objective of this Special Section is to discuss, through papers, new theories and applications in this field. The Special Section solicits paper submission particularly from, but not restricted to, people who presented new theories and applications in the 2006 International Symposium on Nonlinear Theory and its Applications (NOLTA2006, Royal Hotel Carlton, Bologna, Italy on September 11-14, 2006). Suggested topics include but are not limited to the following:

- |                        |                               |                            |
|------------------------|-------------------------------|----------------------------|
| - Chaos & Bifurcations | - Chaotic Neural Networks     | - Circuits & Systems       |
| - Oscillation          | - Cellular Neural Networks    | - Self-Validating Numerics |
| - Synchronization      | - Learning & Memory           | - Modeling & Simulation    |
| - Coupled Oscillators  | - Prediction & Identification | - Large-Scale Networks     |
| - Communication        | - Image & Signal Processing   | - Analog and Digital ICs   |
| - Chua's Circuits      | - Neuro Dynamics              | - Distributed Networks     |
| - Control              | - Evolutionary Computation    | - Power Systems            |
| - Complex Systems      | - Optimization                | - Robotics                 |
| - Fractals             | - Fuzzy                       | - Optics                   |
| - Soliton              | - Biocybernetics              | - Chemistry                |
| - Applied Mathematics  | - Economics                   | - Physics                  |

The submitted papers are edited by the Editorial Committee of Special Section. The deadline of the paper submission is November 30, 2006. Prospective authors are requested to follow carefully the submission process described below.

1. Submit a paper using the IEICE Web site [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx). Only a PDF file is acceptable. Authors should choose “[Special-EA] Nonlinear Theory and its Applications” as a “Type of Issue (Section) /Transactions” on the line screen. Do not choose “[Regular-EA]”.
2. Send “Copyright Transfer and Page Charge Agreement” and “Confirmation Sheet of Manuscript Registration” by postal mail (NOT by FAX or E-mail) to the following address:

Tatsushi Yamasaki  
17-8 Ikeda-nakamachi, Neyagawa, Osaka 572-8508 JAPAN  
Department of Industrial and Systems Engineering,  
Faculty of Engineering, Setsunan University

Please do not forget to send “Copyright Transfer and Page Charge Agreement” and “Confirmation Sheet of Manuscript Registration” by November 30, 2006. We cannot start the review process without them, even if we receive the manuscript. Anybody having questions concerning paper submissions should visit the following website:

[http://ushiolab.sys.es.osaka-u.ac.jp/nolta\\_ss/](http://ushiolab.sys.es.osaka-u.ac.jp/nolta_ss/)

For additional guidelines on manuscript preparation, please visit the following webpage:

[http://www.ieice.org/eng/shiori/mokuji\\_ess.html](http://www.ieice.org/eng/shiori/mokuji_ess.html)

## Editorial Committee of the Special Section

### Guest Editors:

T. Ushio (Osaka Univ., Japan) G. Setti (Univ. of Ferrara, Italy)

### Guest Associate Editors:

M. Adachi (Tokyo Denki Univ., Japan)	M. Ogorzalek (AGH Univ. Poland)
G. Chen (City Univ. of Hong Kong, China)	K. Pakdaman (Institut Jacques Monod, France)
S. Doi (Osaka Univ., Japan)	R. Rovatti (Univ. of Bologna, Italy)
O. Feely (University College Dublin, Ireland)	T. Saito (Hosei Univ., Japan)
H. Fujisaka (Hiroshima City Univ., Japan)	S. Sato (Tohoku Univ., Japan)
L. Goldgeisser (Synopsys Inc., USA)	J. Suykens (Katholieke Universiteit Leuven, Belgium)
M. Hasler (EPFL, Switzerland)	N. Takahashi (Kyushu Univ., Japan)
T. Hisakado (Kyoto Univ., Japan)	Y. Tanji (Kagawa Univ., Japan)
Y. Horio (Tokyo Denki Univ., Japan)	I. Tokuda (Muroran Inst. of Tech., Japan)
L. Kocarev (Univ. of California San Diego, USA)	L. Trajkovic (Simon Fraser Univ., Canada)
K. Konishi (Osaka Pref. Univ., Japan)	C. K. Tse (Hong Kong Polytec. Univ., China)
G. Mazzini (Univ. of Ferrara, Italy)	H. Yanai (Ibaraki Univ., Japan)
C. Mocenni (Univ. of Siena, Italy)	K. Yoshimura (NTT Communication Science Lab., Japan)
K. Natsume (Kyushu Institute of Tech., Japan)	T. Yoshinaga (Tokushima Univ., Japan)
Y. Nishio (Tokushima Univ., Japan)	

### Secretary:

T. Yamasaki (Setsunan Univ., Japan) H. Tanaka (Osaka Univ., Japan)