

Technical Program

23PM1: Keynote speeches

Date: July 23 (Mon) 14:30–17:00,

Room: G (5th floor)

Chair: Tetsushi Ueta (Tokushima University)

- 23PM1-1** [Invited talk] **Nonlinear models and methods for biometrics** 1
Maciej Ogorzalek (Jagiellonian University)
- 23PM1-2** [Invited talk] **Attractors in Circuit Dynamics — an elementary question on attractor design —** 2
Hiroshi Kawakami (Tokushima University)

24AM1: Simulation

Date: July 24 (Tue) 09:00–10:30,

Room: G (5th floor)

Chair: (pending) ()

- 24AM1-1** [Invited talk] **An Efficient and Practical Algorithm for Finding All DC Solutions of Nonlinear Circuits Using GLPK** 3
Kiyotaka Yamamura (Chuo University), Koki Suda (Chuo University)
- 24AM1-2** **Nonlinear Resistive Circuits for Maximum-Flow Problem** 7
Masatoshi Sato (Sophia University), Hisashi Aomori (Sophia University), Momoru Tanaka (Sophia University)
- 24AM1-3** **Comparisons between Spice-Oriented Harmonic Balance Method and Volterra Series Method** 11
Junji Kawata (Tokushima Bunri University), Takaaki Kinouchi (Tokushima University), Yoshihiro Yamagami (Tokushima University), Yoshifumi Nishio (Tokushima University), Akio Ushida (Tokushima Bunri University)
- 24AM1-4** **Sorter-Based Digital Wave Filters - An Approach to Nanoelectronic Signal Processing -** 15
Yoshinao Suzuki (Hiroshima City University), Hisato Fujisaka (Hiroshima City University),

Takeshi Kamio (Hiroshima City University), Kazuhisa Haeiwa (Hiroshima City University)

24AM2: Coupled oscillators

Date: July 24 (Tue) 11:00–12:30,

Room: G (5th floor)

Chair: Danièle Fournier-Prunaret (INSA Toulouse)

24AM2-1 [Invited talk] **Dynamics of a Large Population of Coupled Active and Inactive Oscillators** 19
Hiroaki Daido (Osaka Prefecture University)

24AM2-2 **Multi-Phase Oscillation in CMOS LC Oscillators Coupled by Mutual Inductors** 23
Toshihiro Kawanari (University of Fukui), Seiichiro Moro (University of Fukui)

24AM2-3 **Synchronization Phenomena on Asymmetrical Globally Coupled Chaotic Systems Using Circuits or Maps** 27
Yasuteru Hosokawa (Shikoku University), Yoshifumi Nishio (Tokushima University)

24AM2-4 **Occurrence of chaos in networks of two-dimensional limit-cycle oscillators driven by noise in mean-field couplings** 31
Akihisa Ichiki (Tokyo Institute of Technology), Hideaki Ito (Tokyo Institute of Technology), Masatoshi Shiino (Tokyo Institute of Technology)

24PM1: Random graph

Date: July 24 (Tue) 14:00–14:30,

Room: G (5th floor)

Chair: Erik Lindberg (Technical University of Denmark)

24PM1-1 [Invited talk] **Concept and comparison of Markov random graphs** 35
Ruedi Stoop (University and ETH of Zurich)

24PM2: Poster I

Date: July 24 (Tue) 14:30–16:00,

Room: B (2nd floor)

Chair: (pending) ()

24PM2-1 **Formal Methods for Analyzing Dynamic of Random Circuits by Using Statistical Petri Net** 39

Meng Zhang (Northwestern Polytechnical University), Deyuan Gao (Northwestern Polytechnical University), Xiaoya Fan (Northwestern Polytechnical University)

- 24PM2-2 Gibbs measures and topologically conjugate transforms of network dynamics** 43
Syuji Miyazaki (Kyoto University)
- 24PM2-3 Generation and synchronization of chaos in Mackey-Glass electronic circuits with multiple time delays** 47
Masahiko Tateno (Takushoku University), Masahiko Kuraya (Takushoku University), Satoshi Sano (Takushoku University), Atsushi Uchida (Takushoku University), Shigeru Yoshimori (Takushoku University)
- 24PM2-4 The course of the SNR along the cochlear cascade of electronic Hopf amplifiers** 51
Stefan Martignoli (University and ETH of Zurich), Yoko Uwate (Tokushima University, University and ETH of Zurich), Ruedi Stoop (University and ETH of Zurich)
- 24PM2-5 An Improved Solution Construction Method with Solution Feedback for Quadratic Assignment Problems** 55
Akihiko Shirakuma (Tokyo Denki University), Yoshihiko Horio (Tokyo Denki University), Kazuyuki Aihara (University of Tokyo)
- 24PM2-6 On Scicos simulation of a hybrid dynamical system** 59
Hassane Bouzahir (University Ibn Zohr, Tokushima University), Fatima El Guezar (University Ibn Zohr, INSA Toulouse, Tokushima Univ), Tetsushi Ueta (Tokushima University)
- 24PM2-7 IC Implementation of One-Dimensional Discrete-Time Dynamical Systems Circuit Using Floating-Gate MOSFET** 63
Kenichi Kawamura (Tokyo Denki University), Yoshihiko Horio (Tokyo Denki University), Kazuyuki Aihara (University of Tokyo)
- 24PM2-8 Fractal light scattering in regular-polyhedral mirror-ball structures** 67
Kazuya Amano (Takushoku University), Daisuke Narimatsu (Takushoku University), Satoshi Sotome (Takushoku University), Shinya Tashiro (Takushoku University), Atsushi Uchida (Takushoku University), Shigeru Yoshimori (Takushoku University)
- 24PM2-9 CDMA Signal Estimation Based on Independent Component Analysis Followed by MV-PURE Estimator** 71
Tomasz Piotrowski (RIKEN, Tokyo Institute of Technology), Gen Hori (RIKEN), Ken Umeno (RIKEN), Isao Yamada (Tokyo Institute of Technology)
- 24PM2-10 Simulation of Neuronal Activity Using Recurrent Neural Network** 75
Masaaki Takahashi (Kyusyu Institute of Technology), Cai Youbo (Kyusyu Institute of Technology), Masumi Ishikawa (Kyusyu Institute of Technology), Kiyohisa Natsume (Kyusyu Institute of Technology)
- 24PM2-11 Emergence of Intricate Dynamical Response by Supercritical Parametrically Driven or Ringwise Coupled Subcritical Hopf Oscillators** 79
Yoko Uwate (Tokushima University, University and ETH of Zurich), Stefan Martignoli (Uni-

versity and ETH of Zurich), Yoshifumi Nishio (Tokushima University), Ruedi Stoop (University and ETH of Zurich)

24PM2-12 Real-Time Sequence Generation Problem on One-Bit Inter-Cell-Communication Cellular Automata 83

Naoki Kamikawa (Osaka Electro-Communication University), Hiroshi Umeo (Osaka Electro-Communication University)

24PM2-13 Bifurcation Structure of Capacitive Coupled BVP Oscillators 87

Yusuke Nishiuchi (Kochi National College of Technology), Tetsushi Ueta (Tokushima University), Hiroshi Kawakami (Tokushima University)

24PM2-14 Chaos synchronization between Lorenz systems using two numerical integration methods 91

Georges Kaddoum (ENSEEIH/INSA Toulouse), Danièle Fournier-Prunaret (INSA Toulouse), Pascal Chargé (INSA Toulouse), Daniel Roviras (ENSEEIH Toulouse)

24PM2-15 A Chaotic Cryptosystem Using Lyapunov Exponent 95

Shuichi Aono (Tokushima University), Yoshifumi Nishio (Tokushima University)

24PM2-16 Dynamic Range Enhancement by Sigma-Delta Cellular Neural Network 99

Yuki Naito (Sophia University), Hisashi Aomori (Sophia University), Tsuyoshi Otake (Tamagawa University), Nobuaki Takahashi (IBM Japan), Mamoru Tanaka (Sophia University)

24PM2-17 Objects Extraction by Nonlinear Methods 103

Shu-Sheng Hao (National Defense University), Chih-Bin Hsu (National Defense University), Rong-Fuh Hwu (National Defense University)

24PM2-18 Appearance of Intrinsic Localized Mode in Three-Phase Circuit 107

Takashi Hisakado (Kyoto University), Shohta Ukai (Kyoto University)

24PM2-19 Message Passing in Neural Networks 111

Thomas Ott (University and ETH of Zurich), Martin Schuele (University and ETH of Zurich), Ruedi Stoop (University and ETH of Zurich)

24PM3-1: Communications

Date: July 24 (Tue) 16:00–17:30,

Room: D (4th floor)

Chair: Chen He (Shanghai Jiaotong University)

24PM3-1-1 New Secure Communication Model Using Anticipating Synchronization of Coupled Multidelay Feedback Systems 115

Thang Manh Hoang (Nagaoka University of Technology), Masahiro Nakagawa (Nagaoka University of Technology)

- 24PM3-1-2** **A HOS-based Blind Signal Extraction Approach for Chaotic MIMO Systems** 119
 Yunrui Gong (Shanghai Jiao Tong University), Di He (Shanghai Jiao Tong University), Chen He (Shanghai Jiao Tong University), Lingge Jiang (Shanghai Jiao Tong University)
- 24PM3-1-3** **Generating Complete Orthogonal Spreading Sequences by Equivariant Adaptive Separation via Independence for CDMA** 123
 Ryo Takahashi (RIKEN), Song-Ju Kim (NICT), Ken Umeno (RIKEN, NICT)
- 24PM3-1-4** **Fast Blind Adaptive Linear Receiver in Uplink DS/CDMA Systems by Quadratic-Metric Projection** 126
 Masahiro Yukawa (RIKEN), Gen Horii (RIKEN), Ken Umeno (RIKEN), Isao Yamada (Tokyo Institute of Technology)
- 24PM3-1-5** **Analysis of Quantization Noise for a N-tone Sigma-Delta Circuit using Time-Domain Based Interpolation and Decimation Structure in UWB-OFDM Transceiver** 130
 Jeich Mar (Yuan-Ze University), You Rong Lin (Yuan-Ze University)

24PM3-2: Nonlinear dynamics

Date: July 24 (Tue) 16:00–17:30,

Room: E (4th floor)

Chair: Takuji Kousaka (Oita University)

- 24PM3-2-1** **Spectro-Ratio on Multi-Threshold Time-Frequency Sub-Band for P-Wave Arrival Detection** 134
 Ali Gamal Hafez (Kyushu University), Tahir Abbas Khan (Kyushu University), Tohru Kohda (Kyushu University)
- 24PM3-2-2** **A simple open chaos generator based upon a sine map** 138
 Pascal Chargé (INSA Toulouse), Jie Xu (INSA Toulouse), Danièle Fournier-Prunaret (INSA Toulouse), Abdel-Kaddous Taha (INSA Toulouse)
- 24PM3-2-3** **A Pulse-Modulation Circuit for Nonlinear Systems with Self Regulatory Threshold Dynamics** 142
 Dariuske Atuti (Kyushu Institute of Technology), Takashi Morie (Kyushu Institute of Technology), Kazuyuki Aihara (University of Tokyo)
- 24PM3-2-4** **Synchronization in semiconductor lasers subject to a common chaotic drive signal** 146
 Isao Oowada (Takushoku University), Toru Yamamoto (Takushoku University), Hoipang Yip (Takushoku University), Atsushi Uchida (Takushoku University), Shigeru Yoshimori (Takushoku University), Kazuyuki Yoshimura (NTT), Jun Muramatsu (NTT), Shin-itiro Goto (NTT), Peter Davis (NTT)
- 24PM3-2-5** **A Fundamental Study of Redox Flow Battery based on Chemical Reaction Dynamics** 150

Minghua Li (Kyoto University), Takashi Hikiyama (Kyoto University)

25AM1: Neural oscillators

Date: July 25 (Wed) 09:00–10:30,

Room: G (5th floor)

Chair: Martin Hasler (EPFL)

25AM1-1 [Invited talk] **Spontaneous and Stimulus-Induced Patterns in Oscillatory Neuronal Networks** 154

Vladimir Isaakovich Nekorkin (Russian Academy of Sciences)

25AM1-2 **Analysis of Digital Spiking Neuron for development of its learning algorithm** 157

Hiroyuki Torikai (Osaka University)

25AM1-3 **Exact recalling of phase patterns in oscillatory neurons with random transmission delay** 161

Tetsuya Yamamoto (Tokyo Metropolitan College of Industrial Tech.), Takashi Amemiya (Yokohama National University), Tomohiko Yamaguchi (AIST)

25AM1-4 **Analysis of Artificial Spiking Neuron with Triangular Signal** 165

Toshimitsu Ohtani (Hosei University), Toshimichi Saito (Hosei University)

25AM2: Nonlinear circuits

Date: July 25 (Wed) 11:00–12:30,

Room: G (5th floor)

Chair: Yoshihiko Horio (Tokyo Denki University)

25AM2-1 [Invited talk] **Complex superstable periodic orbits of several 1-D maps embedded in circuits and systems** 169

Toshimichi Saito (Hosei University), Yusuke Matsuoka (Hosei University), Yuki Ishikawa (Hosei University), Yasuhide Ishige (Hosei University)

25AM2-2 **Effect of Parameter Mismatch in Chaotic Circuits Coupled by a Time-Varying Resistor** 173

Yoko Uwate (Tokushima University), Yoshifumi Nishio (Tokushima University)

25AM2-3 **The Common Multi-Vibrator Family** 177

Erik Lindberg (Technical University of Denmark), K. Murali (Anna University), Arunas Tamasevicius (Semiconductor Physics Institute)

26AM1: Synchronization

Date: July 26 (Thu) 09:00–10:30,

Room: G (5th floor)

Chair: Albert Kern (ETH)

- 26AM1-1** [Invited talk] **Synchronization in Complex Networks** 181
Juergen Kurths (University of Potsdam), Gorka Zamora (University of Potsdam), Luica Zemanova (University of Potsdam), Changsong Zhou (University of Potsdam)
- 26AM1-2** **Synchronization in star-coupled neuronal networks** 183
Hiroyuki Kitajima (Kagawa University)
- 26AM1-3** **Detecting Anomalous Phase Synchronization from Time Series** 187
Isao Tokuda (JAIST), Syamal Kumar Dana (India Institute of Chemical Biology), Juergen Kurths (University of Potsdam)
- 26AM1-4** **Phase control in nonlinear electronic circuit modeling oscillatory neurons** 191
Dmitry Sergeevich Shapin (Russian Academy of Sciences)

26AM2: Bio/Medicals

Date: July 26 (Thu) 11:00–12:30,

Room: G (5th floor)

Chair: Rafal Zdunek (RIKEN)

- 26AM2-1** [Invited talk] **Linear and Nonlinear Dynamics of Motor Nervous System in Human** 194
Jun'ichi Ushiba (Keio University), Yoshihisa Msakado (Keio University)
- 26AM2-2** **Two Process Model for Sleep-Wake Cycles in Infantile Autism** 198
Hirotsune Matsuura (Kyushu Institute of Technology), Katsumi Tateno (Kyushu Institute of Technology), Shuji Aou (Kyushu Institute of Technology)
- 26AM2-3** **Bifurcation Analysis of a Detailed Cardiac Cell Model and Drug Sensitivity of Ionic Channels** 202
Rei Yamaguchi (Osaka University), Shinji Doi (Osaka University), Sadatoshi Kumagai (Osaka University)
- 26AM2-4** **Consideration of the effect of anesthesia in the thalamocortical assemblies** 206
Kumiko Oshima (Ecole Polytechnique Federale de Lausanne), Borja Ibarz (Universidad Rey Juan Carlos), Martin Hasler (Ecole Polytechnique Federale de Lausanne)

26PM1: Cellular neural networks

Date: July 26 (Thu) 14:00–14:30,

Room: G (5th floor)

Chair: Mamoru Tanaka (Sophia University)

- 26PM1-1** [Invited talk] **Designing Populations of Image Motion Selective Cellular Neural Networks** 210
Bertram E Shi (Hong Kong University of Science and Technology)

26PM2: Poster II

Date: July 26 (Thu) 14:30–16:00,

Room: B (2nd floor)

Chair: (pending) ()

- 26PM2-1** **Extension of The Optimal Unbiased Minimum-Variance Filter for Systems with Unknown Inputs** 214
Chien-Shu Hsieh (Ta Hwa Institute of Technology)
- 26PM2-2** **A Simple Iterative Algorithm for Image Interpolation by Radial Basis Function Networks** 218
Zhenxing Pan (Osaka University), Masato Senoo (Osaka University), Shinji Doi (Osaka University), Sadatoshi Kumagai (Osaka University)
- 26PM2-3** **Pulse Wave Propagation Phenomenon in a Ring of Coupled Hard-Type Oscillators** 222
Kuniyasu Shimizu (Meiji University), Tetsuro Endo (Meiji University), Daishin Ueyama (Meiji University)
- 26PM2-4** **Bifurcation Phenomena in an Iterative Optimization Process for Intensity Modulated Radiation Therapy** 226
Kenji Yamada (The University of Tokushima), Ken-ichi Fujimoto (The University of Tokushima), Tetsuya Yoshinaga (The University of Tokushima)
- 26PM2-5** **Statistical Analysis of Boolean Network Based on One-Dimensional Mapping** 230
Nobumitsu Fujiwara (Osaka University), Shinji Doi (Osaka University), Sadatoshi Kumagai (Osaka University)
- 26PM2-6** **Experimental Observations from an Integrated Hysteresis Two-Port VCCS Chaotic Oscillator** 234
Takuya Hamada (Tokyo Denki University), Yoshihiko Horio (Tokyo Denki University), Kazuyuki Aihara (University of Tokyo)
- 26PM2-7** **Method of repellers detection by applied computation over basin of attraction** 238
Quentin Brandon (Tokushima University), Toshiyuki Kumano (Tokushima University),

Tetsushi Ueta (Tokushima University)

- 26PM2-8 Roles of hubs in Boolean networks** 242
Chikoo Oosawa (Kyushu Institute of Technology)
- 26PM2-9 Odd Number Property of Multiple Delayed Feedback Control** 246
Keiji Konishi (Osaka Prefecture University), Hideki Kokame (Osaka Prefecture University)
- 26PM2-10 An Adaptive Friction Compensator Using Exponentially Modulated Fourier Neural Networks** 250
Jeng-Tze Huang (Vanung University of Technology), Chiz-Chung Cheng (Lee-Ming Institute of Technology), Der-Cherng Liaw (National Chiao-Tung University)
- 26PM2-11 Synchronization of uni-directionally coupled class I and class II neurons** 254
Eri Ioka (Kagawa University), Hiroyuki Kitajima (Kagawa University), Kunichika Tsumoto (ERATO/JST)
- 26PM2-12 Markov chain of binary sequences generated by A/D conversion using beta-encoder** 258
Satoshi Hironaka (Kyushu University), Tohru Kohda (Kyushu University), Kazuyuki Aihara (Tokyo University)
- 26PM2-13 A Study of TBM Trajectory Prediction Using VSC-Based Observer Approach** 262
Shih-Tse Chang (National Chiao Tung University), Chiz-Chung Cheng (Lee-Ming Institute of Technology), Chun-Hone Chen (Chung Shan Institute of Science and Technology), Yew-Wen Liang (National Chiao Tung University), Der-Cherng Liaw (National Chiao Tung University)
- 26PM2-14 Design of midcourse guidance laws for an antimissile** 266
Chun-Hone Chen (Chun Shan Institute of Science and Technology), Chiz-Chung Cheng (Lee-Ming Institute of Technology), Yew-Wen Liang (National Chiao Tung University), Der-Cherng Liaw (National Chiao Tung University), Yi-Kang Chen (National Chiao Tung University)
- 26PM2-15 A dynamic controller with instantaneous state setting method for chaotic systems** 270
Tadashi Tsubone (Nagaoka University of Technology), Yasuhiro Wada (Nagaoka University of Technology)
- 26PM2-16 Improvement of CDMA System using Signal Separation by Independent Component Analysis** 274
Gen Hori (RIKEN), Ken Umeno (RIKEN), Masahiro Yukawa (RIKEN), Ryo Takahashi (RIKEN), Tomasz Piotrowski (RIKEN, Tokyo Institute of Technology)
- 26PM2-17 Bifurcation Analysis of Duffing-Rayleigh Equation** 278
Masa'aki Mizumoto (Tokushima University), Tetsushi Ueta (Tokushima University), Takuji Kousaka (Oita University), Hiroshi Kawakami (Tokushima University)
- 26PM2-18 Nonlinear Modeling and Bifurcation Analysis of Buck Converter Dynamics** 282

Chau-Chung Song (National Formosa University), Der-Cherng Liaw (National Chiao Tung University), Shih-Wen Chen (Chung Hua University)

26PM2-19 **Performance of the Amplitude Banded LMS Equalizer on Stationary Channels** 286

Tetsuya Shimamura (Saitama University)

26PM2-20 **A Study of Robust Spacecraft Attitude Control** 290

Chiz-Chung Cheng (Lee-Ming Institute of Technology), Yew-Wen Liang (Natiola Chiao Tung University), Sheng-Dong Xu (Natiola Chiao Tung University), Der-Cherng Liaw (Natiola Chiao Tung University)

26PM3-1: Neural networks

Date: July 26 (Thu) 16:00–17:30,

Room: D (4th floor)

Chair: (pending) ()

26PM3-1-1 **An Analysis of High-Dimensional Associative Dynamics Observed From an Analog Chaotic Neuro-computer Hardware System** 294

Takahisa Ogino (Tokyo Denki University), Yoshihiko Horio (Tokyo Denki University), Kazuyuki Aihara (University of Tokyo)

26PM3-1-2 **Separable 2D Lifting using Discrete-Time Cellular Neural Network with Denoising Technique** 298

Takefumi Konishi (Tamagawa University), Tsuyoshi Otake (Tamagawa University), Hisashi Aomori (Sophia University), Nobuaki Takahashi (IBM Japan), Mamoru Tanaka (Sophia University)

26PM3-1-3 **Optimum Access Point Selection Based on Neural Network Dynamics** 302

Mikio Hasegawa (Tokyo University of Science), Ha Nguyen Tran (NICT), Goh Miyamoto (NICT), Yoshitoshi Murata (NICT), Shuzo Kato (NICT)

26PM3-1-4 **Encoding characteristics of A/D converters based on spiking neurons** 306

Yusuke Matsuoka (Hosei University), Aya Tanaka (Toshiba), Toshimichi Saito (Hosei University)

26PM3-1-5 **Evaluation of a CMOS Spiking Neural Network Circuit with STDP Function** 310

Hideki Tanaka (Kyushu Institute of Technology), Takashi Morie (Kyushu Institute of Technology), Kazuyuki Aihara (The University of Tokyo)

26PM3-2: Data analysis

Date: July 26 (Thu) 16:00–17:30,

Room: E (4th floor)

Chair: Jürgen Kurths (University of Potsdam)

26PM3-2-1 **Gibbs regularized nonnegative matrix factorization for blind separation of locally smooth signals** 314

Rafal Zdunek (RIKEN), Andrzej Cichocki (RIKEN)

26PM3-2-2 **Signal separation of chaotic electronic circuits and lasers by independent component analysis** 318

Masahiko Kuraya (Takushoku University), Satoshi Sano (Takushoku University), Atsushi Uchida (Takushoku University), Shigeru Yoshimori (Takushoku University), Ken Umeno (NICT)

26PM3-2-3 **Embedding of high-dimensional data in low-dimensional space by a simple stochastic method** 322

Naoto Nishikawa (Osaka University), Shinji Doi (Osaka University), Sadatoshi Kumagai (Osaka University)

26PM3-2-4 **Speech Separation with Local Cosine Packets: Potentials and Limitations** 326

Albert Kern (University and ETH of Zurich), Ruedi Stoop (University and ETH of Zurich)

26PM3-2-5 **The Evolution of the State Density of Continuous-time Dynamical Systems** 330

Marcus Hellfeld (TU-Dresden), Wolfgang Schwarz (TU-Dresden)

Author Index

A

Aihara, Kazuyuki: 55(24PM2-5), 63(24PM2-7), 142(24PM3-2-3), 234(26PM2-6), 258(26PM2-12), 294(26PM3-1-1), 310(26PM3-1-5)
Amano, Kazuya: 67(24PM2-8)
Amemiya, Takashi: 161(25AM1-3)
Aomori, Hisashi: 7(24AM1-2), 99(24PM2-16), 298(26PM3-1-2)
Aono, Shuichi: 95(24PM2-15)
Aou, Shuji: 198(26AM2-2)
Atuti, Daisuke: 142(24PM3-2-3)

B

Bouzahir, Hassane: 59(24PM2-6)
Brandon, Quentin: 238(26PM2-7)

C

Chang, Shih-Tse: 262(26PM2-13)
Chargé, Pascal: 91(24PM2-14), 138(24PM3-2-2)
Chen, Chun-Hone: 262(26PM2-13), 266(26PM2-14)
Chen, Shih-Wen: 282(26PM2-18)
Chen, Yi-Kang: 266(26PM2-14)
Cheng, Chiz-Chung: 250(26PM2-10), 262(26PM2-13), 266(26PM2-14), 290(26PM2-20)
Cichocki, Andrzej: 314(26PM3-2-1)

D

Daido, Hiroaki: 19(24AM2-1)
Dana, Syamal Kumar: 187(26AM1-3)
Davis, Peter: 146(24PM3-2-4)
Doi, Shinji: 202(26AM2-3), 218(26PM2-2), 230(26PM2-5), 322(26PM3-2-3)

E

El Guezar, Fatima: 59(24PM2-6)
Endo, Tetsuro: 222(26PM2-3)

F

Fan, Xiaoya: 39(24PM2-1)
Fournier-Prunaret, Danièle: 91(24PM2-14), 138(24PM3-2-2)
Fujimoto, Ken-ichi: 226(26PM2-4)
Fujisaka, Hisato: 15(24AM1-4)
Fujiwara, Nobumitsu: 230(26PM2-5)

G

Gao, Deyuan: 39(24PM2-1)
Gong, Yunrui: 119(24PM3-1-2)
Goto, Shin-itiro: 146(24PM3-2-4)

H

Haeiwa, Kazuhisa: 15(24AM1-4)
Hafez, Ali Gamal: 134(24PM3-2-1)
Hamada, Takuya: 234(26PM2-6)
Hao, Shu-Sheng: 103(24PM2-17)
Hasegawa, Mikio: 302(26PM3-1-3)
Hasler, Martin: 206(26AM2-4)
He, Chen: 119(24PM3-1-2)
He, Di: 119(24PM3-1-2)
Hellfeld, Marcus: 330(26PM3-2-5)
Hikihara, Takashi: 150(24PM3-2-5)
Hironaka, Satoshi: 258(26PM2-12)
Hisakado, Takashi: 107(24PM2-18)
Hoang, Thang Manh: 115(24PM3-1-1)
Hori, Gen: 71(24PM2-9), 126(24PM3-1-4), 274(26PM2-16)
Horio, Yoshihiko: 55(24PM2-5), 63(24PM2-7), 234(26PM2-6), 294(26PM3-1-1)
Hosokawa, Yasuteru: 27(24AM2-3)

Hsieh, Chien-Shu: 214(26PM2-1)
Hsu, Chih-Bin: 103(24PM2-17)
Huang, Jeng-Tze: 250(26PM2-10)
Hwu, Rong-Fuh: 103(24PM2-17)

I

Ibarz, Borja: 206(26AM2-4)
Ichiki, Akihisa: 31(24AM2-4)
Ioka, Eri: 254(26PM2-11)
Ishige, Yasuhide: 169(25AM2-1)
Ishikawa, Masumi: 75(24PM2-10)
Ishikawa, Yuki: 169(25AM2-1)
Ito, Hideaki: 31(24AM2-4)

J

Jiang, Lingge: 119(24PM3-1-2)

K

Kaddoum, Georges: 91(24PM2-14)
Kamikawa, Naoki: 83(24PM2-12)
Kamio, Takeshi: 15(24AM1-4)
Kato, Shuzo: 302(26PM3-1-3)
Kawakami, Hiroshi: 2(23PM1-2), 87(24PM2-13), 278(26PM2-17)
Kawamura, Kenichi: 63(24PM2-7)
Kawanari, Toshihiro: 23(24AM2-2)
Kawata, Junji: 11(24AM1-3)
Kern, Albert: 326(26PM3-2-4)
Khan, Tahir Abbas: 134(24PM3-2-1)
Kim, Song-Ju: 123(24PM3-1-3)
Kinouchi, Takaaki: 11(24AM1-3)
Kitajima, Hiroyuki: 183(26AM1-2), 254(26PM2-11)
Kohda, Tohru: 134(24PM3-2-1), 258(26PM2-12)
Kokame, Hideki: 246(26PM2-9)
Konishi, Keiji: 246(26PM2-9)
Konishi, Takefumi: 298(26PM3-1-2)
Kousaka, Takuji: 278(26PM2-17)
Kumagai, Sadatoshi: 202(26AM2-3), 218(26PM2-2), 230(26PM2-5), 322(26PM3-2-3)
Kumano, Toshiyuki: 238(26PM2-7)
Kuraya, Masahiko: 47(24PM2-3), 318(26PM3-2-2)

Kurths, Juergen: 181(26AM1-1), 187(26AM1-3)

L

Li, Minghua: 150(24PM3-2-5)
Liang, Yew-Wen: 262(26PM2-13), 266(26PM2-14), 290(26PM2-20)
Liaw, Der-Cherng: 250(26PM2-10), 262(26PM2-13), 266(26PM2-14), 282(26PM2-18), 290(26PM2-20)
Lin, You Rong: 130(24PM3-1-5)
Lindberg, Erik: 177(25AM2-3)

M

Mar, Jeich: 130(24PM3-1-5)
Martignoli, Stefan: 51(24PM2-4), 79(24PM2-11)
Matsuoka, Yusuke: 169(25AM2-1), 306(26PM3-1-4)
Matsuura, Hirotsune: 198(26AM2-2)
Miyamoto, Goh: 302(26PM3-1-3)
Miyazaki, Syuji: 43(24PM2-2)
Mizumoto, Masa'aki: 278(26PM2-17)
Morie, Takashi: 142(24PM3-2-3), 310(26PM3-1-5)
Moro, Seiichiro: 23(24AM2-2)
Msakado, Yoshihisa: 194(26AM2-1)
Murali, K.: 177(25AM2-3)
Muramatsu, Jun: 146(24PM3-2-4)
Murata, Yoshitoshi: 302(26PM3-1-3)

N

Naito, Yuki: 99(24PM2-16)
Nakagawa, Masahiro: 115(24PM3-1-1)
Narimatsu, Daisuke: 67(24PM2-8)
Natsume, Kiyohisa: 75(24PM2-10)
Nekorkin, Vladmir Isaakovich: 154(25AM1-1)
Nishikawa, Naoto: 322(26PM3-2-3)
Nishio, Yoshifumi: 11(24AM1-3), 27(24AM2-3), 79(24PM2-11), 95(24PM2-15), 173(25AM2-2)
Nishiuchi, Yusuke: 87(24PM2-13)

O

Ogino, Takahisa: 294(26PM3-1-1)
Ogorzalek, Maciej: 1(23PM1-1)
Ohtani, Toshimitsu: 165(25AM1-4)
Oosawa, Chikoo: 242(26PM2-8)
Oowada, Isao: 146(24PM3-2-4)
Oshima, Kumiko: 206(26AM2-4)
Otake, Tsuyoshi: 99(24PM2-16), 298(26PM3-1-2)
Ott, Thomas: 111(24PM2-19)

P

Pan, Zhenxing: 218(26PM2-2)
Piotrowski, Tomasz: 71(24PM2-9), 274(26PM2-16)

R

Roviras, Daniel: 91(24PM2-14)

S

Saito, Toshimichi: 165(25AM1-4), 169(25AM2-1), 306(26PM3-1-4)
Sano, Satoshi: 47(24PM2-3), 318(26PM3-2-2)
Sato, Masatoshi: 7(24AM1-2)
Schuele, Martin: 111(24PM2-19)
Schwarz, Wolfgang: 330(26PM3-2-5)
Senoo, Masato: 218(26PM2-2)
Shapin, Dmitry Sergeevich: 191(26AM1-4)
Shi, Bertram E: 210(26PM1-1)
Shiino, Masatoshi: 31(24AM2-4)
Shimamura, Tetsuya: 286(26PM2-19)
Shimizu, Kuniyasu: 222(26PM2-3)
Shirakuma, Akihiko: 55(24PM2-5)
Song, Chau-Chung: 282(26PM2-18)
Sotome, Satoshi: 67(24PM2-8)
Stoop, Ruedi: 35(24PM1-1), 51(24PM2-4), 79(24PM2-11), 111(24PM2-19), 326(26PM3-2-4)
Suda, Koki: 3(24AM1-1)
Suzuki, Yoshinao: 15(24AM1-4)

T

Taha, Abdel-Kaddous: 138(24PM3-2-2)
Takahashi, Masaaki: 75(24PM2-10)
Takahashi, Nobuaki: 99(24PM2-16), 298(26PM3-1-2)
Takahashi, Ryo: 123(24PM3-1-3), 274(26PM2-16)
Tamasevicius, Arunas: 177(25AM2-3)
Tanaka, Aya: 306(26PM3-1-4)
Tanaka, Hideki: 310(26PM3-1-5)
Tanaka, Mamoru: 99(24PM2-16), 298(26PM3-1-2)
Tanaka, Momoru: 7(24AM1-2)
Tashiro, Shinya: 67(24PM2-8)
Tateno, Katsumi: 198(26AM2-2)
Tateno, Masahiko: 47(24PM2-3)
Tokuda, Isao: 187(26AM1-3)
Torikai, Hiroyuki: 157(25AM1-2)
Tran, Ha Nguyen: 302(26PM3-1-3)
Tsubone, Tadashi: 270(26PM2-15)
Tsumoto, Kunichika: 254(26PM2-11)

U

Uchida, Atsushi: 47(24PM2-3), 67(24PM2-8), 146(24PM3-2-4), 318(26PM3-2-2)
Ueta, Tetsushi: 59(24PM2-6), 87(24PM2-13), 238(26PM2-7), 278(26PM2-17)
Ueyama, Daishin: 222(26PM2-3)
Ukai, Shohta: 107(24PM2-18)
Umeno, Ken: 71(24PM2-9), 123(24PM3-1-3), 126(24PM3-1-4), 274(26PM2-16), 318(26PM3-2-2)
Umeo, Hiroshi: 83(24PM2-12)
Ushiba, Jun'ichi: 194(26AM2-1)
Ushida, Akio: 11(24AM1-3)
Uwate, Yoko: 51(24PM2-4), 79(24PM2-11), 173(25AM2-2)

W

Wada, Yasuhiro: 270(26PM2-15)

X

Xu, Jie: 138(24PM3-2-2)
Xu, Sheng-Dong: 290(26PM2-20)

Y

Yamada, Isao: 71(24PM2-9), 126(24PM3-1-4)
Yamada, Kenji: 226(26PM2-4)
Yamagami, Yoshihiro: 11(24AM1-3)
Yamaguchi, Rei: 202(26AM2-3)
Yamaguchi, Tomohiko: 161(25AM1-3)
Yamamoto, Tetsuya: 161(25AM1-3)
Yamamoto, Toru: 146(24PM3-2-4)
Yamamura, Kiyotaka: 3(24AM1-1)
Yip, Hoipang: 146(24PM3-2-4)
Yoshimori, Shigeru: 47(24PM2-3), 67(24PM2-8), 146(24PM3-2-4), 318(26PM3-2-2)
Yoshimura, Kazuyuki: 146(24PM3-2-4)
Yoshinaga, Tetsuya: 226(26PM2-4)
Youbo, Cai: 75(24PM2-10)
Yukawa, Masahiro: 126(24PM3-1-4),
274(26PM2-16)

Z

Zamora, Gorka: 181(26AM1-1)
Zdunek, Rafal: 314(26PM3-2-1)
Zemanova, Luica: 181(26AM1-1)
Zhang, Meng: 39(24PM2-1)
Zhou, Changsong: 181(26AM1-1)