

◆ Monday, March 17

10:00-10:30	Opening Opening Address: Prof. Lei Guo (President, AMSS) Introduction of Global COE: Prof. Yoshimasa Nakamura (Kyoto University)		
10:30-12:00	Session A1 Hanfu Chen <i>"Recursive identification of ARMAX"</i> Lei Guo <i>"Synchronization of Multi-Agent Systems with Local Interactions"</i> Toshiharu Sugie <i>"Identification of linear continuous-time systems based on projection and Iteration"</i>	Session B1 Masao Fukushima <i>"A gap function for quasi variational inequalities and its application to generalized Nash equilibrium problems"</i> MendAmar Majig <i>"Restricted-step Josephy-Newton method for general variational inequalities with polyhedral constraints"</i> Yu-Hong Dai <i>"Analysis of sparse quasi-Newton updates with positive definite matrix completion"</i>	Session C1 Yoshimasa Nakamura <i>"On an application of discrete-time interable systems to numerical linear algebra"</i> Xingbiao Hu <i>"Recent results on discrete soliton equations"</i> Shuhei Kamioka <i>"A combinatorial aspects of the discrete-time semi-infinite Lotka-Volterra equation"</i>
12:00-13:40	Lunch		
13:40-15:10	Session A2 Yoshito Ohta <i>"Infinite-dimensional Linear Programming Approach to Control Problems"</i> Zairong Xi <i>"Decoherence control of non-Markovian quantum systems"</i> Shun-ichi Azuma <i>"Optimal dynamic quantizers for discrete-valued input control"</i>	Session B2 Xiangsun Zhang <i>"Combinatorics in Bioinformatics - Haplotyping Problem"</i> Xiaoguang Yang <i>"Inverse and Partial Inverse Combinatorial Optimization"</i> Hiro Ito <i>"Constant Time k-Connectivity Testing"</i>	Session C2 Toshihiro Iwai <i>"The geometry of quantum entanglement with respect to a bipartite partition"</i> Pingbing Ming <i>"Mathematical theory of Cauchy-Born rule"</i> Yajuan Sun <i>"Conservative PDEs and multi-symplectic Hamiltonian formulation"</i>
15:10-15:30	Coffee Break		
15:30-17:30	Session A3 Kiyotsugu Takaba <i>"Robust stability analysis via quadratic differential forms"</i> Wenxiao Zhao <i>"Adaptive tracking and recursive identification for a class of Hammerstein systems"</i> Hidenori Shingin <i>"Disturbance Rejection with Information Constraints: Performance Limitations of a Scalar System for Gaussian and Bounded Disturbances"</i>	Session B3 Liang Zhao <i>"On the time-dependent shortest path problem"</i> Takuro Fukunaga <i>"Robust Cost Colorings"</i> Guodong Shi <i>"Region coverage for planar sensor network via sensing sectors"</i> Suyong Sun <i>"Coverage and connectivity of randomly deployed sensor networks"</i>	Session C3 Feimin Huang <i>"Contact discontinuity for compressible Navier-Stokes equations"</i> Satoshi Tsujimoto <i>"On the Gram-type solutions of the discrete KP equation with self-consistent sources"</i> Zhao Dong <i>"Global solutions of stochastic 2D Navier-Stokes equations with Levy noise"</i> Hayato Chiba <i>"Extension and Unification of Traditional Singular Perturbation Methods for ODEs"</i>
18:00-	Banquet (Jade Palace Hotel)		

◆ Tuesday, March 18

10:00-12:00	Session A4 Ke Liu <i>"Software reliability assessment based on software testing process"</i> Qianshun Chang <i>"TOTAL VARIATION-BASED IMAGE RESTORATION"</i> Atsunori Kanemura <i>"Hidden Variable Modeling for Bayesian Image Superresolution"</i> Keigo Takeuchi <i>"Large-system analysis of MIMO-CDMA channels with imperfect channel state information"</i>	Session B4 Aki-Hiro Sato <i>"Quantification and visualization of dynamical similarity among multi-dimensional time series with high-frequency financial data"</i> Hongquan Li <i>"Heterogeneity, endogenous nonlinearity and market fluctuations"</i> Xun Zhang <i>"A new approach for crude oil price analysis based on Empirical Mode Decomposition"</i> Jia Chen <i>"Dynamic Inventory Management with Cash Flow Constraints"</i>	Session C4 Zhiming Chen <i>"The adaptive PMM method for acoustic scattering problems"</i> Takeshi Iwashita <i>"Explicit / Implicit Error Correction Methods for Linear Iterative Solver"</i> Takumi Yamashita <i>"On O(N) Recurrence Relation for Generalized Newton Lower Bounds of the Minimal Eigenvalue of Upper Bidiagonal Matrix"</i> Yusuke Gotoh <i>"BroGrid: A Study on Broadcasting Methods in Grid Environments"</i>
12:00-13:40	Lunch		
13:40-15:40	Session A5 Lean Yu <i>"Fuzzy traffic engineering with application to network revenue management"</i> Zhihua Sun <i>"Model checking for partially linear models with missing responses at random"</i> Pengjie Dai <i>"Semiparametric model-based inference in the presence of missing responses"</i> Kazutaka Nakamura <i>"Statistical-mechanics approach to approximate algorithms for Bayesian inference problems"</i>	Session B5 Liyang Mu <i>"Inventory models for items with fixed lifetime and power-form stock-dependent demand"</i> Xiaoming Yan <i>"Joint replenishment and discretionary for inventory system with random yield and Markov-Modulated demand"</i> Tuan Phung-Duc <i>"Multiserver Retrial Queues with Impatient Customers"</i> Hiroyuki Masuyama <i>"Geometric asymptotics of the tail distribution vector of a Markov chain of M/G/1 type"</i>	Session C5 Xiaodong Hu <i>"Routing problems in all-optical network and wireless sensor network"</i> Yuki Yoshida <i>"IQ imbalance compensation for IFDMA systems"</i> Kazunori Hayashi <i>"Amplify and forward cooperative diversity for multicarrier systems"</i> Shunsuke Hayashi <i>"Some analyses based on optimization theory for multiuser interference channels"</i>
15:40	Closing		

Opening: Morningside Building Room 110
 Session stream A: Morningside Building Room 110
 Session stream B: Siyuan Building Room 703
 Session stream C: Blue-white Building Room 301
 Closing: Morningside Building Room 110

Organizers: **Shouyang Wang** (Chinese Academy of Sciences)
Masao Fukushima (Kyoto University)