

ICCAS-SICE 2009 Session Table (Tuesday, August 18, 2009)

| Main Hall | | Room 01 | Room 02 | Room 03 | Room 04 | Room 05 | | | |
|-----------|--|---|---|---|----------------------------------|---|---|---|-------------------------|
| 10:00 | Workshop 1: Third Japan-China Joint Workshop on Control Theory and Applications on Complex Systems | | 1A01 (8:50-17:40) | Workshop 2: Particle Filters - Computer Intensive, Statistical Signal Processing Techniques | | | 10:00 | | |
| 12:00 | | | 1A02 Tutorial Session 1: Ground Penetrating Radar (GPR) / UWB Radar : Fundamentals to Applications | | | | 1A03 (13:00-16:00) | 1A04 OS: Nanoscale Servo Control for Storage Systems and Precision Devices | 1A05 Robot Control I |
| 13:00 | | | 1B02 OS: SICE Embedded Control Systems Summit 2009 | 1B04 OS: Applications in Biomedical and Welfare Systems | 1B05 Robot Control II | 13:00 | | | |
| 15:00 | | | 15:00 | | | | | | |
| 15:15 | 15:15 | | | | | | | | |
| 17:15 | 17:15 | | | | | | | | |
| Room 06 | Room 07 | Room 08 | Room 09 | Room 10 | Room 11 | Room 12 | Room 13 | | |
| 10:00 | | | | | | | 10:00 | | |
| 12:00 | | | | | | | 12:00 | | |
| 13:00 | 1A06 Vehicle I | 1A07 Control Theory & Design I | 1A08 Educational and Entertaining Robot | 1A09 Data Mining and Clustering | 1A10 Machine Vision I | 1A11 OS: Biological Control Systems | 1A12 OS: Modeling and Control of Human-Machine Interactions | 1A13 OS: Recent Receding Horizon Control Methods | 13:00 |
| 15:00 | 15:00 | | | | | | | | |
| 15:15 | 1B06 Vehicle II | 1B07 Control Theory & Design II | 1B08 Motor & Power Control | 1B09 Autonomous System | 1B10 Machine Vision II | 1B11 OS: Control Theory and Numerical Analysis | 1B12 OS: Emergent Control and Information Technologies for Human Living Environment | 1B13 OS: Optimization Algorithms and Applications | 15:15 |
| 17:15 | 17:15 | | | | | | | | |
| Room 14 | Room 15 | Room 16 | Room 17 | Room 18 | Room 19 | Gallery | | | |
| 10:00 | | | | | | | 10:00 | | |
| 12:00 | | | | | | | 12:00 | | |
| 13:00 | 1A14 OS: Control of Axially Moving Systems | 1A15 Control System | 1A16 OS: Recent Progress in Mechanical Metrology | 1A17 Sensors and Transducers I | 1A18 Motor & Power Systems I | 1A19 Pattern Recognition | Special Poster Session "Introduction of Activities of the SICE Technical Committees, Study Groups, and Chapters" | 13:00 | |
| 15:00 | 15:00 | | | | | | | | |
| 15:15 | 1B14 OS: Robotics to Extend Human Strength and Activity | 1B15 Industrial Applications(Others) | 1B16 Signal Processing in EEG | 1B17 Sensors and Transducers II | 1B18 Motor & Power Systems II | | 15:15 | | |
| 17:15 | 17:15 | | | | | | | | |
| 17:30 | Welcome Reception | | | | | | 17:30 | | |
| 18:30 | | | | | | | 18:30 | | |

ICCAS-SICE 2009 Session Table (Wednesday, August 19, 2009)

| Main Hall | | Room 01 | Room 02 | Room 03 | Room 04 | Room 05 | | | |
|-------------|--|--|---|---|--|---|---|---|-------------|
| 9:00 | | 2A01 Tutorial Mini-Course 1: Designing Human-Centered Ubiquitous Computing Society (in Japanese) | 2A02 OS: Data Driven Approach to Controller Parameter Tuning | 2A03 OS: SICE and International Standardization Activities : Keynote Session | 2A04 OS: SICE-CCC Joint Session on Complex Systems | 2A05 System/Information I | 9:00 | | |
| 11:00 | | | | | | | 11:00 | | |
| 11:15-12:15 | | Plenary Talk / Main Hall "An Industry Perspective on Process Automation and Control: Architecture, Algorithms, Applications" Dr. Tariq Samad (IEEE CSS President, USA) | | | | | 11:15-12:15 | | |
| 13:15 | Invited Talk (13:15-14:15) "Humanoid Robot: A Machine That Walks" Prof. Jun Ho Oh (KAIST, Korea) Invited Talk (14:15-15:15) "Semiotic Design of Human-Machine Systems: Paradigm Shift from Design for Manufacture to Design for Nurture" Prof. Tetsuo Sawaragi (Kyoto Univ., Japan) | 2B01 Tutorial Mini-Course 2: Process Data Analysis for Quality Improvement and Process Control (in Japanese) | 2B02 (12:30-14:10) Luncheon Seminar (In Japanese) | 2B03 OS: International Standardization for Process Automation Businesses | 2B04 OS: SICE-CCC Joint Session on Advanced Control Design | 2B05 System/Information II | 13:15 | | |
| 15:15 | | | | | | | 15:15 | | |
| 15:30 | | 2C01 Tutorial Mini-Course 3: An Introduction to Bayesian Modeling (in Japanese) | 2C02 (14:30-17:00) OS: Sponsored Industrial Session1: Model-Based Design | 2C03 OS: International Standardization for Robot Technology | 2C04 OS: Advanced Adaptive and Learning Control -Theory and Applications- | 2C05 Image Processing | 15:30 | | |
| 17:30 | | | | | | | 17:30 | | |
| 17:45 | | 2D01 OS: Environmental Monitoring Sensors and Systems Using Sound and Ultrasound Waves / Nondestructive Evaluation with Non-linear Ultrasonics | 2D02 (17:15-18:45) OS: Sponsored Industrial Session2: Symbolic Numeric Approach to Dynamic System Design | 2D03 OS: International Standardization for Factory Automation Businesses | 2D04 OS: The Unmanned Ground Vehicle | 2D05 Image Processing for Measurement | 17:45 | | |
| 19:05 | | | | | | | 19:05 | | |
| Room 06 | | Room 07 | Room 08 | Room 09 | Room 10 | Room 11 | Room 12 | Room 13 | |
| 9:00 | 2A06 Control Theory & Design III | 2A07 Distributed, Hierarchical System Control | 2A08 Virtual Reality and Human Interfaces | 2A09 Opto-Electronic Measurement | 2A10 Human-robot Interaction | 2A11 OS: Nexus System Design: New Interaction among Humans, Agents, and Robots | 2A12 Robot Control III | 2A13 OS: Probabilistic and Randomized Techniques in Systems and Control | 9:00 |
| 11:00 | | | | | | | | | 11:00 |
| 11:15-12:15 | | Plenary Talk / Main Hall "An Industry Perspective on Process Automation and Control: Architecture, Algorithms, Applications" Dr. Tariq Samad (IEEE CSS President, USA) | | | | | | | 11:15-12:15 |
| 13:15 | 2B06 Control Theory & Design IV | 2B07 Process/Manufacturing System I | 2B08 Manipulation and Grasping | 2B09 Temperature Measurement | 2B10 Medical and Welfare Systems | 2B11 OS: Robotics and Mechatronics in Rehabilitation and Welfare Applications | 2B12 OS: Interaction Design between Robots and Environment | 2B13 OS: System Development Technologies for Indoor Air Quality Management | 13:15 |
| 15:15 | | | | | | | | | 15:15 |
| 15:30 | 2C06 Networked Sensing System | 2C07 Process/Manufacturing System II | 2C08 Man-Machine Systems | 2C09 Signal Processing I | 2C10 Industrial Network System | 2C11 OS: Intelligent Robotics and Applications | 2C12 OS: Biomeasurement and Its Applications | 2C13 OS: Model Predictive Control: Recent Advances for Applications | 15:30 |
| 17:30 | | | | | | | | | 17:30 |
| 17:45 | 2D06 Nonlinear Control | 2D07 OS: Control of Flexible Mechanical Systems | 2D08 Robot Navigation and Mapping | 2D09 Signal Processing II | 2D10 Biological System | 2D11 Optimization | 2D12 Stock Forecasting & Portfolio | 2D13 Fault Tolerant / Embedded System | 17:45 |
| 19:05 | | | | | | | | | 19:05 |
| Room 14 | | Room 15 | Room 16 | Room 17 | Room 18 | Room 19 | Gallery | | |
| 9:00 | 2A14 Sliding Mode Control | 2A15 OS: Advanced Systems for Safety and Loss Prevention of Industrial Complex | 2A16 OS: Atmospheric and Meteorological Radar Applications | 2A17 Mechanical System I | 2A18 Sensor Fusion and Soft Sensor I | 2A19 Multi Agent System / Discrete Event System | | | 9:00 |
| 11:00 | | | | | | | | | 11:00 |
| 11:15-12:15 | | Plenary Talk / Main Hall "An Industry Perspective on Process Automation and Control: Architecture, Algorithms, Applications" Dr. Tariq Samad (IEEE CSS President, USA) | | | | | | | 11:15-12:15 |
| 13:15 | 2B14 OS: Scheduling and Hybrid Systems Based on Discrete Event Systems | 2B15 OS: Underwater Wireless Sensor Network Based Navigation and Tracking | 2B16 Acoustical Measurement | 2B17 Mechanical System II | 2B18 Sensor Fusion and Soft Sensor II | 2B19 OS: Safety Control and Preventive Maintenance for Safety on Site | 2I01-07 Interactive Session | | 13:15 |
| 15:15 | | | | | | | | | 15:15 |
| 15:30 | 2C14 OS: Advances in Networked Control Systems | 2C15 OS: Construction Robot: Autonomous Excavator | 2C16 OS: Distributed Autonomous Systems and Robots | 2C17 Mechanical System III | 2C18 OS: Inverse Problems in Measurement | 2C19 Robotics and Communication Systems | | | 15:30 |
| 17:30 | | | | | | | | | 17:30 |
| 17:45 | 2D14 Modeling and Estimation | 2D15 Manufacturing Systems | 2D16 Monitoring and Observation Systems | 2D17 Life Science | 2D18 Image Processing for Motion Detection | 2D19 Biped and Multi-Legged Robots | | | 17:45 |
| 19:05 | | | | | | | | | 19:05 |

ICCAS-SICE 2009 Session Main Hall (Friday, August 21, 2009)

| | | Main Hall | Room 01 | Room 02 | Room 03 | Room 04 | Room 05 | | | | | |
|-------|-------|--|--|--|---|--|--|---|---|-------|-------|--|
| 9:00 | | | 4A01 Tutorial Mini-Course 4: Visual Feedback for Cooperative Motion Control | 4A02 OS: Braking Technology for Vehicles | 4A03 OS: Formation and Cooperative Control of Multi-Agent Systems | 4A04 OS: Recent Advances in Engine Control Technology | 4A05 OS: Intelligent Human-Machine Systems | 9:00 | | | | |
| 11:00 | | | | | | | | 11:00 | | | | |
| 11:15 | 12:15 | Plenary Talk / Main Hall "Optomechatronics: Challenges to Smart Integration of Optical and Mechatronic Technologies with Controllable and Observable Elements" | | | | | Prof. Hyungsuck Cho (KAIST, Korea) | | | 11:15 | 12:15 | |
| 13:15 | | Invited Talk (13:15-14:15) "Real-Time Multi-Target Visual Tracking Using Active Camera" Prof. Li-Chen Fu (National Taiwan Univ., Taiwan) | 4B01 Tutorial Mini-Course 5: Rescue Robotics and Its Applications | 4B02 OS: Control Applications in Mechatronics and Powertronics | 4B03 OS: Technologies and Standardization for Information Cooperation in PA and FA | 4B04 OS: Sensing, Control and Safety System for Intelligent Vehicle | 4B05 Biological Engineering | 13:15 | | | | |
| 15:35 | | | | | | | | 15:35 | | | | |
| | | Room 06 | Room 07 | Room 08 | Room 09 | Room 10 | Room 11 | Room 12 | Room 13 | | | |
| 9:00 | | 4A06 Adaptive & Learning Control I | 4A07 OS: Navigation, Guidance, and Control in Aerospace Systems III | 4A08 Robots and Acoustic Systems | 4A09 New Technologies in Robotics I | 4A10 Industrial Automation Systems | 4A11 OS: Women in Engineering on Virtual Reality, Vers.2 | 4A12 OS: Advanced Techniques in Autonomous Mobile Robots | 4A13 OS: Analysis and Control of Quantized Systems | 9:00 | | |
| 11:00 | | | | | | | | | | 11:00 | | |
| 11:15 | 12:15 | Plenary Talk / Main Hall "Optomechatronics: Challenges to Smart Integration of Optical and Mechatronic Technologies with Controllable and Observable Elements" | | | | | Prof. Hyungsuck Cho (KAIST, Korea) | | | 11:15 | 12:15 | |
| 13:15 | | 4B06 Adaptive & Learning Control II | 4B07 OS: Navigation, Guidance, and Control in Aerospace Systems IV | 4B08 OS: Artificial Muscle Actuators and Sensors | 4B09 New Technologies in Robotics II | 4B10 Vision and Sensing | 4B11 OS: Modeling, Analysis and Synthesis of Hybrid Systems | 4B12 Remote Sensing | 4B13 OS: Recent Advances in System Identification | 13:15 | | |
| 15:35 | | | | | | | | | | 15:35 | | |
| | | Room 14 | Room 15 | Room 16 | Room 17 | Room 18 | Room 19 | Gallery | | | | |
| 9:00 | | 4A14 OS: Magnetic Levitation Systems | 4A15 OS: Soft Computing Techniques and Their Applications I | 4A16 OS: GNSS Backup and Complementary Systems | 4A17 Analytical Measurement I | 4A18 System Identification/Estimation I | 4A19 Neural Network | | | 9:00 | | |
| 11:00 | | | | | | | | | | 11:00 | | |
| 11:15 | 12:15 | Plenary Talk / Main Hall "Optomechatronics: Challenges to Smart Integration of Optical and Mechatronic Technologies with Controllable and Observable Elements" | | | | | Prof. Hyungsuck Cho (KAIST, Korea) | | | 11:15 | 12:15 | |
| 13:15 | | 4B14 System/Information III | 4B15 OS: Soft Computing Techniques and Their Applications II | 4B16 OS: Computational Intelligence: New Trends and Its Application | 4B17 Analytical Measurement II/Ecological and Social Network | 4B18 System Identification/Estimation II | 4B19 OS: Perspectives of Transdisciplinary Approach | 4I01-07 (13:15-15:15) Interactive Session | | 13:15 | | |
| 15:35 | | | | | | | | | | 15:35 | | |
| 15:50 | | Closing Ceremony / Main Hall | | | | | | | | | 15:50 | |
| 16:50 | | | | | | | | | | | 16:50 | |