



ICRCA 2017

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KEYNOTE

SPEAKER

Prof. Chiharu Ishii

Hosei University, Japan

Prof. Genci Capi

Hosei University, Japan

Prof. Toyomi Fujita

Tohoku Institute of Technology, Japan

Prof. Ivan Tyukin

University of Leicester, UK

Prof. Dr. Matsumoto Mitsuharu

University of electro-communications,
Japan



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Intelligent Control Systems And Optimization

Genetic Algorithms
Fuzzy Control
Decision Support Systems
Machine Learning in Control Applications
Knowledge-based Systems Applications
Hybrid Learning Systems
Distributed Control Systems
Evolutionary Computation and Control
Optimization Algorithms
Soft Computing
Software Agents for Intelligent Control Systems
Neural Networks based Control Systems
Planning and Scheduling
Intelligent Fault Detection and Diagnosis
Engineering Applications

Robotics and Automation

Image Processing
Vision, Recognition and Reconstruction
Robot Design, Development and Control
Control and Supervision Systems
Telerobotics and Teleoperation
Vehicle Control Applications
Industrial Networks and Automation
Human-Robots Interfaces
Network Robotics
Autonomous Agents
Intelligent Transportation Technologies and Systems
Space and Underwater Robots
Modelling, Simulation and Architecture
Human-Machine Interfaces
Collective and Social Robots
Humanoid Robots
Cognitive Approach for Robotics
Mobile Robots and Intelligent Autonomous Systems
Mechatronics Systems
Virtual Environment, Virtual and Augmented Reality
Perception and Awareness
Surveillance, Fault detection and Diagnosis
Engineering Applications

Signal Processing, Sensors, Systems Modelling and Control

Adaptive Signal Processing and Control
Environmental Monitoring and Control
Optimization Problems in Signal Processing
Signal Reconstruction
Computer and Microprocessor-based Control
Real-Time Systems Control
Information-based Models for Control
Nonlinear Signals and Systems
System Identification
Instrumentation Networks and Software
Change Detection Problems
Time-frequency Analysis
Mechanical, Force and Tactile Sensors
Biological Inspired Sensors
Sensors Fusion
Intelligent Components for Control
System Modelling
Modelling, Analysis and Control of Discrete-event Systems
Modelling, Analysis and Control of Hybrid Dynamical Systems
Engineering Applications

Industrial Engineering, Production and Management

Lean Enterprise
Supply Chain and Logistics Engineering
Virtual Enterprises and Interoperability
Production Planning, Scheduling and Control
Computer-based Manufacturing Technologies
Facilities Planning and Management
Quality Control and Management
Energy Efficiency and Green Manufacturing
Precision Engineering
Industrial Automation and Robotics
Intelligent Design and Manufacturing
Resources and Knowledge Management in Industry
Manufacturing Systems Engineering
Systems Modelling and Simulation
Performance Evaluation and Optimization
Human Factors & Human-System Interface
Cost and Value Engineering
Business Process Modelling