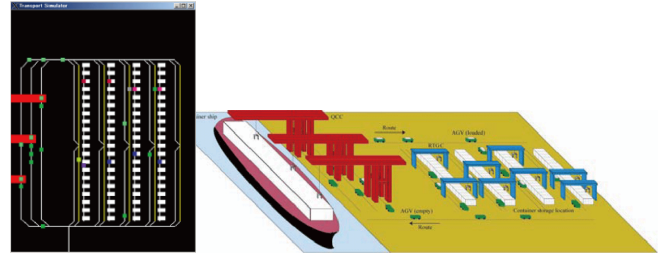


# SICE Systems and Information Division

## Technical Committee on Decentralized Autonomous Systems

—Intelligent Technology Based on Decentralization and Its Applications—

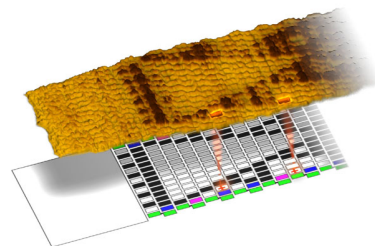
This committee covers a wide range of decentralized autonomous systems, from biological systems to artificial systems, from theory to application and from software to hardware, and promotes the progress of the related research fields by seminars and symposiums.



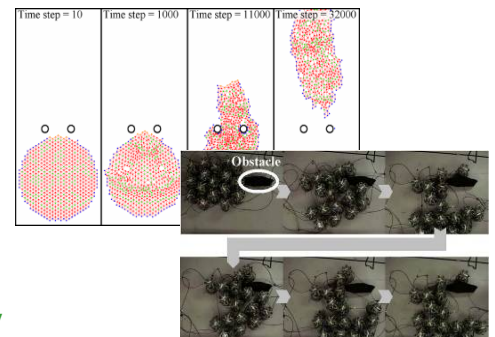
Large-Scale Port Transportation System

### Main Topics:

Biologically inspired systems  
Self-organization  
Emergent systems  
Synergetic  
Multi-agent systems  
Multi-robot systems  
Swarm robotics  
Artificial life  
Bioholonics  
Neural network systems  
Evolutionary systems  
Evolutionary economic systems



DNA algorithmic Self-assembly



Slime mold-like modular robots



Symposium on Emergent Systems (Summer school)

### MAIN EVENTS

- Symposium on Decentralized Autonomous Systems (January)
- Symposium on Emergent Systems (Summer School) (August)  
Organized by Technical committees on [Decentralized Autonomous Systems](#), [Intelligent Systems](#), and [System Engineering](#)
- Seminars on Autonomous Decentralized Systems (several times a year)

**Director:** Ken Sugawara (Tohoku Gakuin Univ.)

**Manager:** Masahiro Shimizu (Tohoku Univ.)

**Committee members:**

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