Center for Socio-Global Informatics aims to establish and advance the emerging field of socio-global informatics on the integration of the cyber and physical worlds based on deep understanding of human activities at various levels ranging from each individual to a society.

**KITSUREGAWA Lab.**

- Database engineering
- High performance database engine
- Cyber-physical Services
- Ultra-large-scale Web archive system
- Cyber space analysis system
- Global environment information fusion system
- Reliable network control technologies for cloud computing

**TOYODA Lab.**

- Web mining
- Web solutions
- Big data platform for mobility data analysis
- Large scale information visualization
- Advanced user interface

**Yoshinaga Lab.**

- Natural Language Processing
- Computational Linguistics
- Efficient Real World Text Analysis
- Machine Translation and Dialogue System

**SEZAKI Lab.**

- Urban environment sensing
- Wireless sensor networks
- User mobility analysis
- Privacy preserving in sensing

**KAMIJO Lab.**

- GNSS Positioning
- 3D Map Construction
- Vehicle Self-localization
- Traffic Scene Understanding
- Intelligent Applications in Smartphones and Smart Glasses
- Customer Behavior Recognition
- V2V, V2P Communication
- Traffic Surveillance

**MATSUURA Lab.**

- GNSS Positioning
- 3D Map Construction
- Vehicle Self-localization
- Traffic Scene Understanding
- Intelligent Applications in Smartphones and Smart Glasses
- Customer Behavior Recognition
- V2V, V2P Communication
- Traffic Surveillance

**Y. SATO Lab.**

- Computer vision
- Human activity recognition
- Gaze sensing and analysis
- Reflectance analysis and material recognition
- Face recognition under varying illumination

**SUGANO Lab.**

- Urban environment sensing
- Wireless sensor networks
- User mobility analysis
- Privacy preserving in sensing

**SUGIURA Lab.**

- Wireless Communication Networks
- Wireless Security
- Digital Signal Processing
- Distributed Storage

**GODA Lab.**

- Super-fast Database Systems
- Energy-efficient Database Systems
- Intelligent Storage Systems

**SUGANO Lab.**

- Gaze estimation and user understanding
- Computer vision and machine learning for HCI
- Interactive image and media understanding