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 person to a society. Period of installation: April 2013 ~ March 2023

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

Y. SATO Lab.
- Computer vision
- Human activity recognition
- Gaze sensing and analysis
- Reflectance analysis and material recognition

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

Understanding human attention and actions from first-person videos

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

GODA Lab.
- Super-fast Database Systems
- Energy-efficient Database Systems
- Intelligent Storage Systems

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

Environmental monitoring for urban and natural environment

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

SUGUURA Lab.
- Wireless Communication Networks
- Wireless Security
- Digital Signal Processing
- Distributed Storage

Faster-than-Nyquist signaling

Gaze estimation with machine learning