

Laboratory / Center profile

Intelligence System Laboratory

(Former Socio-Critical System Laboratory (SCS Lab))



Representative: Professor Ryuichi Teshima

Former Chief of U.S. Washington Bureau, Japan Broadcasting Corporation (NHK)
Diplomacy being his expertise, he is one of the leading researchers in the field of intelligence. He is also known as intelligence novelist and has written about information warfare, such as "Ultra Dollar", "Sugihara Survival," "Tasogareyuku Nichibeidomei," and "Gaiko Haisen."



Laboratory members

About the Laboratory

Led by Professor Ryuichi Teshima, the Intelligence System Laboratory aims to untangle complex social systems of today from an intelligence point of view. All of the laboratory members have work experience and are playing key roles in society. The laboratory boasts one of the most diverse groups, with members from a variety of fields of expertise. Members include company managers, an executive member of a major corporation, a former central government

bureaucrat, an entrepreneur who used to work for a securities firm, a drug discovery researcher, a doctor, and a dentist. Reflecting the diversity in members' backgrounds, the laboratory carries out research on a wide range of topics, from medicine/pharmaceutical to renewable energy. The Intelligence System Laboratory collaborates with the Comparative Political Systems Laboratory represented by Associate Professor Hijino with a view to tackling social systems of various kinds.

Activities and Characteristics

The laboratory holds a weekly seminar on Saturdays on either Hiyoshi or Mita Campuses. The weekly seminar is attended by many laboratory alumni as well. The laboratory also has weekday-meetings on Hiyoshi Campus where members discuss their research topics in order to seek collaboration opportunities. The laboratory members regularly attend a training camp in Kamakura to work on their

masters theses. Additionally, the laboratory hosts Keio SDM lectures by inviting a Governor, a Vice Minister of foreign affairs, an Ambassador to the U.S., and a Cabinet Councilor as guest professors in order to exchange views on current issues in a frank manner. The laboratory is characterized by its free-wheeling atmosphere and good ties with the guest professors and alumni.

Planned Activities

This academic year, the laboratory aims to further involve laboratory alumni and faculty to organize study sessions on other campuses, such as Tsuruoka and Osaka City, with a view to establishing an extensive network. The laboratory

members are committed to preparing themselves for masters theses presentations and mid-term presentations by collaborating with laboratories of the SDM Research Institute.

Smart System Design Laboratory

<http://www.ssdlab.sdm.keio.ac.jp/en/>

Representative: Associate Professor Naohiko Kohtake

Research Approach

The Smart System Design Laboratory (SSD Lab) studies various themes, including large-scale disaster prevention, local vitalization, process improvement, and innovations. What these themes have in common is the research approach, which entails: (1) capturing subjects as systems; (2) analyzing systems'

stakeholders; (3) identifying core problems and their root causes; (4) designing solutions so as to create social values; and (5) evaluating the effectiveness of the solutions. SSD Lab conducts research into the process, methods, and systems of such approach.

Examples of Research Topics

Students and researchers with various backgrounds pursue research according to their interests. By working together, the laboratory members partner with specific localities,

- Design Systems for Locality Branding
- Establish Social-Centered Design Process
- Innovative Activities in Dispersed Work Style: Establishing a Remote Facilitation Model
- Design Tool for Graphic Facilitation
- Local Vitalization Using Big Data and Open Data
- Method to Design Pharmaceutical R&D Investment Strategy to Enable Constant Sales Growth for Japanese Pharmaceutical Companies

such as Yokohama City, Futako-tamagawa, and Bangkok, and apply their research findings in practice for the purpose of making tangible improvements and/or creating new services.

- Amblyope Assistance Service Using Indoor Positioning Technology
- Disaster Prevention System Using Broadcast Data from Satellites
- Disaster Prevention System for the Improvement of Information and Warning Dissemination during Information Vacuum
- Dual Use System Architecture for Space Situational Awareness (SSA)
- International Educational Program on Human Resource Development for Space Infrastructure Utilization

Research Style

SSD Lab members include four doctoral students, eleven masters students, eleven researchers, and faculty members. The laboratory holds all-member meetings on Monday mornings at Design Laboratory located in the West Building on Hiyoshi Campus. In addition, doctoral students and guest speakers meet in the

afternoon on every other Saturday for Ph.D Seminars. Furthermore, the laboratory hosts study seminars while fostering Special Interest Groups (SIG) to deepen members' knowledge and skills according to their interests.



Regular meeting being held in Design Space



Facilitating a workshop



Coordinating with the European Space Agency and the Asian Disaster Reduction Center by video-conference



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SDM
System Design and Management