From April 2026, some research areas will be changed as follows.

AI & Wisdom Research Area

Exploring and uncovering the essence of wisdom and intelligence, researching AI that evolves with humanity, and expanding the potential of wisdom

Keywords: Wisdom Science, Computational Theory of Wisdom, AI for Science, Human-Centered AI, Human-AI Interaction, Knowledge Structuring, Natural Language Processing, Materials Informatics, Soft Robotics, Physical Intelligence, Computer Graphics, Image Generation AI, Human Augmentation, Multimodal Interaction, Social Signal Processing

Social System Management Research Area

Wisdom changes organisations and drives society.
Through research, go to the forefront of human wisdom.
With theory and practice, let's design a new era.

Keywords: Knowledge management, technology management, service management, advanced science and technology policy, human wisdom, system design, well-being, public intelligence, risk innovation, disaster management, urban planning, sustainability, circular economy, resource management, service design anthropology, medical policy, business ethnography

Social Data and Media Research Area

Adventures of Knowing! Pioneering the Future of Data Science, Media, and Culture.
Exploration of the Mind and Body, Information Technologies, and Social Systems through Creative Imagination.

Keywords: Knowledge Sciences, Data Science, Interaction, Cybernetics, Artificial Intelligence, Multimedia, AR/MR/VR, Decision Science, Psychology, Cognitive Science, Educational Technology, Analytic Philosophy, Mathematical Sciences, Environmental Science, System Science, Network Science, Cultural Evolution, Persuasive Technology, Computer-Supported Cooperative Work, Creativity, Collective Intelligence, STEAM education.

Computing Science Research Area

Study computation, know the limits of computation, and
unveil methods of the right conclusion from an ocean of data.

Keywords: Information Science, Cryptography and Information Security, Mathematical Logic, Artificial Intelligence, Automated Theorem Proving, Formal Methods, Theoretical Computer Science, Data Science, Distributed System, Algorithms, Information Theory

Next-generation Digital Infrastructure Research Area

Promoting research on next-generation information systems to enable future society and support human development

Keywords: Smart City, Cyber security, IoT, Internet, Information Systems, Embedded Systems, Software Engineering, Formal Methods, Next-generation Wireless and sensor Communications, VSLI Design, AI Platform

Human Information Science Research Area

Innovating mechanisms of human information processing and appying them to the advanced information processing systems

Keywords: Perceptual and Intelligent Information Processing, Social Signal Processing, Multimodality, Communication, Education/learning Technology, Game Informatics, Natural Language Processing, Audio/speech Signal Processing, Image/video Signal Processing, Human Interface, Intelligent Robotics

Medical Science Research Area

Creating the future, at the forefront of medical materials innovation.

Keywords: Biomaterials, Drug delivery systems, Tissue engineering, Nanomedicine, Precision medicine, Cell therapy, Next-generation cancer treatment, Anti-aging

Materials Chemistry Frontiers Research Area

Explore frontiers of materials chemistry for sustainable and wealthy society

Keywords: Carbon neutral, human well-being, energy-related materials, environmentally friendly materials, green chemistry, functional nanomaterials, polymers, catalysts, materials informatics, advanced measurement and analysis

Nanomaterials and Devices Research Area

Realization of a well-being society by promoting the cutting-edge science and technology of nanomaterial devices

Keywords: Nanoparticles x Bio Energy, Nanowires x Spin Devices, 2D Materials x Advanced Microscopy, Thermoelectric Materials, Nanoimaging x Spectroscopy, Spintronics x Quantum Sensing, Semiconductor Electronics x Device Measurement Technology, Organic Devices x Operando Analysis, Solar Cells x Longer Lifespan, Materials Science x DX

Bioscience, Biotechnology, and Biomedical Engineering

We will investigate cutting-edge technologies based on understanding of biological functions, and develop their applications in biomedical fields.

Keywords: Biotechnology, Biomedical, Protein, DNA/RNA, Biomembrane, Sugar Chain, Biomolecular Analysis, Artificial Biomolecule Creation, Biodevice, Gene Editing, Molecular Robotics