



International Symposium online 2021

Digital Transformation

DX

Aiming for **DX** in Agriculture and Rural Areas through Robots and Data Utilization

FREE Event

Online distribution of a WEB seminar

DATE

Tuesday
November 30th

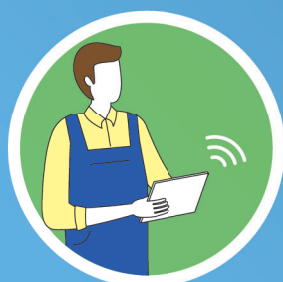
START at 13:00 → END 16:30

NARO
International Symposium Secretariat
048-654-7030
SIP-intl2021@ml.affrc.go.jp

Application deadline
Thursday, November 25th



Application form



The Cross-ministerial Strategic Innovation Promotion Program (SIP) is a national project for science, technology and innovation, spearheaded by the Council for Science, Technology and Innovation as it exercises its headquarters function to accomplish its role in leading science, technology and innovation beyond the framework of government ministries and traditional disciplines.

— INTRODUCTION —

In the second phase of the SIP Smart Food Chain Research Consortium, we have been developing the world's most advanced robotic agricultural machinery, while at the same time working to tackle Japan's social issues such as the labor shortage, food security, and export expansion by constructing a smart food chain that links values through information sharing from production to consumption. In the global agricultural sector, new models of precision agriculture and data utilization across agriculture and rural areas are beginning to be leveraged, using ICT and robots to meet the objectives and farming patterns of each country.

In this symposium, we will hear from experts at the forefront of the field, including those from overseas, about trends toward the social mounting of robot agricultural machinery, which has made remarkable progress in recent years, as well as efforts toward the creation of a smart food chain information infrastructure for fresh foods that actively utilizes digital technology. In doing so, we will envision the future of agriculture and rural communities.



Keynote Speech Lecture.1

Expectations for Data Linkage between Agricultural Production and Rural Living

MIWA Yasufumi

Expert, Center for the Strategy of Emergence, The Japan Research Institute, Limited
Member, Council for Food, Agriculture and Rural Area Policies, Ministry of Agriculture, Forestry and Fisheries



Keynote Speech Lecture.2

Digital Transformation for Sustainable Food Systems

- Developments and experiences in Europe -

Dr. Ir. Jos Verstegen

Wageningen University & Research Senior Researcher
Business Innovation and Entrepreneurship at Wageningen Economic Research

Session.1

Practical Application, Advanced Operation, and Future Vision of Robotic Farm Machinery



Our Approach to Ultra-Low-Cost Production of Rice for Export through Use of Robot Tractors and Other Smart Agricultural Technologies

ISHIJIMA Kazumi

Representative Director, RICE & GREEN ISHIJIMA, K.K.



Development of "No Local Supervision" type Autonomous Tractor and Initiatives toward Operation

Dr. HACHIYA Mitsuru

Manager of Division of Intelligent Agricultural Machinery Research, Institute of Agricultural Machinery, NARO



Data driven field crop production in The Netherlands

Dr. Ir. Corné Kempenaar

Wageningen University & Research Senior Researcher Precision Agriculture

Session.2

Building a Platform for New Farm Management and optimization of Agricultural Product Distribution



Design of an Agricultural Data Space for Interoperable and Trustworthy Collaboration

Ralf Kalmar

Project Manager of the Fraunhofer lighthouse project "Cognitive Agriculture"



Construction of Smart Food Chain Platform

Dr. SHINJO Atsushi

Professor of Faculty of Environment and Information Studies, Keio University



Trial Operation of the Smart Food Chain Prior to Its Full-Scale Implementation

ORIKASA Shunsuke

Director of Department of Agricultural, Environmental and Regional Studies, The Distribution Economics Institute of Japan

Panel discussion

Action required now to achieve Smart Agriculture through the use of Robots and Data



Facilitator

KOBAYASHI Noriaki

Program Director of the SIP Technologies for Smart Bio-industry and Agriculture, Director and Managing Executive Officer, Kirin Holdings Company, Limited



Panelist

Dr. NOGUCHI Noboru

Vice-Dean of the Research Faculty, Graduate School of Agriculture, Hokkaido University



Panelist

ORIKASA Shunsuke

Director of Department of Agricultural, Environmental and Regional Studies, The Distribution Economics Institute of Japan



Panelist

MIWA Yasufumi

Expert, Center for the Strategy of Emergence, The Japan Research Institute, Limited
Member, Council for Food, Agriculture and Rural Area Policies, Ministry of Agriculture, Forestry and Fisheries



Panelist

IMADA Shinji

Agricultural Department Deputy Director, Shikaoi Town Agricultural Cooperative



Moderator

NAGOSHI Ryo

Freelance announcer, Representative Director, agreee culture, K.K.