



東京大学
生産技術研究所
Institute of Industrial Science,
The University of Tokyo

HITACHI
Inspire the Next

April 4, 2022
The University of Tokyo
Hitachi, Ltd.

Institute of Industrial Science, The University of Tokyo and Hitachi set up “Big Data Value Co-creation Platform Engineering” social cooperation program

Institute of Industrial Science, The University of Tokyo (UTokyo-IIS; Director General, Toru H. Okabe) and Hitachi, Ltd. (Representative Executive Officer, President & CEO, Keiji Kojima) jointly set up “Big Data Value Co-creation Platform Engineering” social cooperation program on April 1, 2022. By combining the great experience of UTokyo-IIS and Hitachi and applying their cutting-edge data platform technology, the social cooperation program aims to offer tangible solutions to social problems and to contribute to achieving a sustainable society.



Norihiro Hara, Senior Chief Engineer of Hitachi (left) and Kazuo Goda, Associate Professor of UTokyo-IIS (right); they briefly removed their masks for the photographer.

UTokyo-IIS has established social cooperation programs using financial resources from private enterprises to conduct research with partners that has high public interest. Directed at specific research fields, these social cooperation programs have helped the development of new interdisciplinary studies as well as the promotion of conventional ones.

Toward achieving a sustainable society for happy and affluent life, Hitachi has promoted a digital solutions business called “Lumada” with its customers and partners; the aim is to create value from data by exploiting advanced digital technology, such as artificial intelligence.

Since April 2021, UTokyo-IIS and Hitachi have conducted collaborative research: Application of Out-of-Order Execution Principle to Sophisticate Big Data Analytics. Both have carried on an open innovation program —Value Co-creation Program Utilizing Big Data— to drive value co-creation in partnership with enterprises and organizations working with big data. In creating the new social cooperation program, UTokyo-IIS and Hitachi have extended their open innovation program to explore informatics and conduct research and development toward offering solutions to social problems.

We are witnessing the digital transformation of daily life, society, and economy. Many human activities are being transformed to data, and that process has the strong potential to make people's lives more sophisticated as well as help develop new industries. The key drivers here are the processing capability to analyze data precisely and having a social framework to enhance the capability.

The social cooperation program aims to establish powerful data platform technology, which allows in-depth analysis of the large-scale data being generated globally. The program also performs practical case studies to offer solutions to real-world problems, particularly in industry.

On April 1, UTokyo-IIS and Hitachi jointly launched the operation of a program-dedicated laboratory: Big Data Value Co-creation Experiment Platform (also known as Lumada and UTokyo-IIS Big Data Lab). UTokyo-IIS and Hitachi will continue to promote value co-creation with industry and other stakeholders.



Big Data Value Co-creation Experiment Platform
(also known as Lumada and UTokyo-IIS Big Data Lab)

Summary of social cooperation program

1) Program name

English: Big Data Value Co-creation Platform Engineering
Japanese: ビッグデータ価値協創プラットフォーム工学

2) Organization

Institute of Industrial Science, The University of Tokyo (faculty member in charge)
Kazuo Goda, Project Associate Professor (concurrent)
Hitachi, Ltd.
Norihiro Hara, Senior Chief Engineer, Service & Platform Business Unit

Kazuhiko Mogi, Principal Researcher, Research and Development Group

3) Period

April 1, 2002 to March 31, 2025

4) Financial resources

Approximately 200 million yen

Institute of Industrial Science, The University of Tokyo

Institute of Industrial Science, The University of Tokyo (UTokyo-IIS) is one of the largest university-attached research institutes in Japan. Over 120 research laboratories, each headed by a faculty member, comprise UTokyo-IIS, which has more than 1,200 members (approximately 400 staff and 800 students) actively engaged in education and research. Its activities cover almost all areas of engineering. Since its foundation in 1949, UTokyo-IIS has worked to bridge the huge gaps that exist between academic disciplines and real-world applications.

Further details can be found at <https://www.iis.u-tokyo.ac.jp/>.

Hitachi, Ltd.

Hitachi, Ltd. (TSE: 6501), headquartered in Tokyo, Japan, contributes to a sustainable society with a higher quality of life by driving innovation through data and technology as the Social Innovation Business. Hitachi is focused on strengthening its contribution to the Environment, the Resilience of business and social infrastructure as well as comprehensive programs to enhance Security & Safety. Hitachi resolves the issues faced by customers and society across six domains: IT, Energy, Mobility, Industry, Smart Life and Automotive Systems through its proprietary Lumada solutions. The company's consolidated revenues for fiscal year 2020 (ended March 31, 2021) totaled 8,729.1 billion yen (\$78.6 billion), with 871 consolidated subsidiaries and approximately 350,000 employees worldwide.

For more information on Hitachi, please visit the company's website at <https://www.hitachi.com>.

About Lumada : <https://www.hitachi.com/products/it/lumada/global/en/>

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Information contained in this news release is current as of the date of the press announcement, but may be subject to change without prior notice.
