



September 13, 2019

Company:	CYBERDYNE, INC.
Name of Representative:	Yoshiyuki Sankai, President and CEO
Code:	7779 (Mothers Section of the Tokyo Stock Exchange)
Contact:	Shinji Uga, Director and CFO (Tel. +81-29-869-9981)

CYBERDYNE and Integral Geometry Science form a business and capital alliance

~Combining Cybernics Technology and world's first diagnostic imaging technology on breast cancer~

CYBERDYNE, INC. [Tsukuba, Ibaraki, CEO: Yoshiyuki Sankai (“CYBERDYNE”) and Integral Geometry Science, Inc. [Kobe, Hyogo, CEO: Noriaki Kimura (“IGS”) announced that they formed a capital tie-up (CYBERDYNE’s investment in IGS) and a business alliance. IGS is known for its research and development of microwave mammography that enables game changing diagnostic imaging upon breast cancer detection.

At the same time, Cybernics Excellence Japan Fund 1 Investment Limited Partnership (CEJ Fund), operated by CYBERDYNE’s subsidiary CEJ Capital, Inc. will also make an investment to IGS.

The business of CYBERDYNE group has a unique advantage in its ability to access and integrate information within the human body (e.g. brain-nerve and vital systems) in addition to information outside the human body (behavior, life and environmental information) through its Cybernics Technologies and applying them to different fields such as medicine, nursing-care, production, household and workplaces. The group aims to realize a system where Big Data of the aforementioned information are accumulated, analyzed and processed with AI to accelerate the emergence of a Cybernics Industry that will solve the problems facing society. As a spin-off venture company of Kobe University, IGS has an advantage in its ability to restructure the shape of an unknown object through the measurement of microwaves etc, as a image data. In its clinical researches, it was suggested that Microwave Mammography developed by IGS is capable of detecting breast cancer in all types of breast including the dense breast at high sensitivity. It is now gathering attention as a new technology that does not apply excessive stress or expose radiation to its user.

Towards the creation of the Cybernics Industry and shaping the future business in the field of medicine, security and management of infrastructures, CYBERDYNE and IGS agreed to fuse and combine its cutting-edge technologies by entering into this alliance.

About Integral Geometry Science, Inc.

The problem of determining the structure of a scatterer from scattered waves is called the inverse problem of scattering. This problem is an unsolved problem in applied mathematics. Dr. Kenjiro Kimura and Dr. Noriaki Kimura (Integral Geometry Science CEO) succeeded in solving the scattering inverse problem analytically for the first time in the world, and acquired patents on “Scattering and Imaging of Inverse Scattering Problems” in 9 European and European countries. In 2012, Integral Geometry Science Co., Ltd. was established to implement this research result in society. The company has R & D facilities at Kobe University Incubation Center in Port Island. To date, the company has put into practical use non-contact infrastructure



inspection devices that detect deterioration of infrastructure structures and current path imaging devices that detect abnormal current inside lithium-ion batteries.