

Laboratory Profile

Introducing two labs directed by Professor Ryuichi Teshima

Professor Ryuichi Teshima

Former US Washington Bureau Chief of Japan Broadcasting Corporation (NHK)
His written works cover diplomacy, security, politics, economics, and intelligence.
Research Interests: Intelligence and crisis management of huge and complex systems



VERSTA Lab: VERSTA Laboratory

Representative:

Professor Ryuichi Teshima

Members:

Professor Takashi Maeno, Project Professor Toshiyuki Yasui, Associate Professor Naohiko Kohtake, and master's and doctoral students

【Overview】

VERSTA Lab aims to support the Amazon Valley by popularizing a new farming method, Agroforestry, with a nonprofit organization, VERSTA.



Lab meeting



Agroforestry activity



VERSTA's website (nonprofit organization)
▶ <http://www.versta.org/?lang=en>

* The name VERSTA is a combination of "green" (verde) and festival days (festival) taken from Portuguese and Spanish, to mean "green public holidays and festival days." VERSTA has applied for official NPO authorization.

【Activities】

It is important to preserve and nurture forests and oceans to maintain the global environment; they are sizeable carbon sinks. Approximately half of the carbon dioxide in the world is absorbed by forests, which compose only nine percent of Earth's surface. Especially, Amazon rainforests in South America have played a very important role. However, they are gradually shrinking due to illegal deforestation. As a result, global carbon dioxide levels have risen and we fear global warming.

Agroforestry is drawing attention as a method to prevent illegal deforestation and to slow global warming. Agroforestry, which utilizes agricultural methods aimed to stabilize farmhouse income by combining agricultural and forestry management techniques, is considered to be sustainable because it prevents illegal deforestation and enables maintenance and reproduction of natural environments such as tropical rain forests.

The NPO VERSTA was established to support agroforestry both technologically and financially. VERSTA Lab supports their activities and suggests new NPO operations using system design and management methodologies. Our student Lab members serve on VERSTA's advisory board.

Social Life System Laboratory

Representative:

Professor Ryuichi Teshima

Members:

Associate Professor Naohiko Kohtake, master's and doctoral students, and researchers at the SDM Research Institute

【Overview】

Social Life System Lab aims for "from concept to realization of next-generation medical systems." We validate efficiency of sustainable new system design to solve various medical issues of the day.



Visit with Japan's Ambassador Fujisaki (front center) during the intensive lecture in Washington D.C.

【Activities】

Collaboration with an SDM subject "Medical and Pharmaceutical Research and Development Systems"

Some of the doctoral and master's students and SDM Research Institute researchers in this lab took the intensive class in Washington DC in January 2011. They visited the cutting-edge Vaccine Research Center at the National Institute of Health (NIH) and attended lectures by Project Professor Sachiko Kuno and Dr. Ryuji Ueno, both leading researchers. They also enjoyed a discussion with Ambassador (and SDM Guest Professor) Ichiro Fujisaki at the Embassy of Japan in Washington DC.

【Future Activities】

Research Topics: System design for industry-academia-government collaboration in medical services

Members: Toru Ogawa (SDM Research Institute researcher, Doctor, and MD)

Research Subjects: Pharma Valley Plan in Shizuoka and Kobe Medical Industrial City Plan

Methodology: Regional research, financial analysis (local governments and hospitals), etc.

(Other activities)

- Joint research to solve drug lag problems with medical departments at other universities
- Joint research to solve problems with medicinal chemical manufacturing with an OTC medicine manufacturer



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