



TOHOKU
UNIVERSITY

Russo-Japanese Exchange Activities at Tohoku University

Tohoku University Vice President Masahiro Yamaguchi
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Russo-Japanese Exchange Activities at Tohoku University



1. Moscow (Moscow State University)

Plans for departmental agreements with the MSU Faculty of Physics
Areas of cooperation: IT, Materials Science, Energy Science

Collaborative Research
Collaborative Education



October 2016
Signing Ceremony for a Jointly
Supervised Degree Program
(Graduate School of Arts and
Letters & MSU Faculty of
Psychology)



Joint Seminars in
Medicine, Mathematics, IT
The Social Science and Humanities
Forum between Japan and Russia



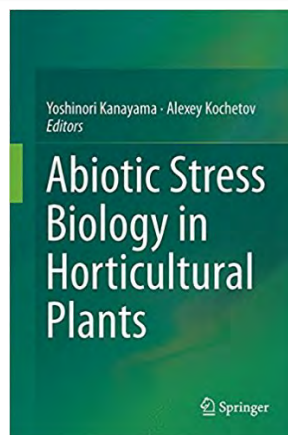
Tohoku University Cross-Cultural
Program with Russia

2. Novosibirsk (Siberian Branch of the Russian Academy of Sciences · Novosibirsk State University)

1992: Cooperation in research began with the conclusion of an agreement with SB RAS
2003: Cooperation was strengthened with the conclusion of an educational agreement with Novosibirsk State University

Joint Seminars

| | |
|---|---------|
| Japan Russia Materials Science Workshop | |
| Novosibirsk | 6 times |
| Tohoku University | 6 times |
| “Japan Asia Lecture” | |
| Novosibirsk | 9 times |
| Russia Japan Workshop (Asian Studies) | |
| Tohoku University | 4 times |
| Joint Seminar on Agriculture | |
| Novosibirsk | once |
| Tohoku University | twice |



More than 200 papers co-authored with SB RAS from 2014 to 2017 (listed on Scopus)

3. Vladivostok (Far Eastern Federal University)

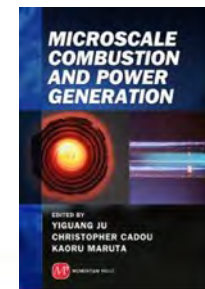
Collaborative research by Prof. Maruta of the Institute of Fluid Science and
Prof. Minaev of the School of Engineering, Far Eastern Federal University



**A cooperative contribution to solving global issues through the practical application of
“New Combustion Technology”**



Adopted as a mega-grant program in 2014
Greatly contributing to education in the Far East
region through developing talented individuals
Contributing to solving energy and
environmental problems through industry-
academic collaboration



Social Contributions through Research



Kotaro
Honda



KS Steel, NKS Steel

Foundation of metallurgy and modern Material Science.



Hidetsugu
Yagi



Yagi-Uda Antenna

Global usage for home TV.
IEEE Milestone.



Toshio
Kurokawa



Gastric Cancer Examination Car

Mass Examination

Propagation of mass examination for Gastric Cancer.



Junichi
Nishizawa



Laser Diodes

"Father of Japanese Microelectronics". Results in optical communication, semiconductors, etc.



Koichi
Tanaka

Mass Spectrometry

Nobel Laureate in Chemistry 2002 for developing a method of biological macromolecule analyses.



Shunichi
Iwasaki



Recording Techniques

Development of perpendicular recording for effective data storage.



Fujio
Masuoka

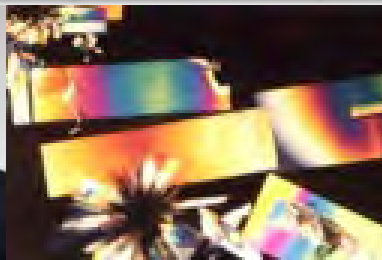


Flash Memory

Invention of Flash Memory.



Akira Endo

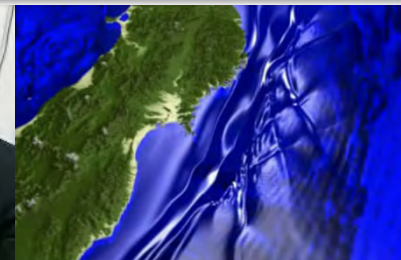


Compactin

Identification of the first statin drug used for treatment of cardiovascular diseases.



Fumihiko
Imamura



Tsunami Engineering

Unique approach for the science behind Tsunami.