

Liaison office session, November 2019
Tohoku University Sendai

Past, current and future collaboration

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Past

< 2019

Among 3050 papers of Institute of Fluid Science, Web of Knowledge - 2019

1. Structural and magnetic phase transitions in shape-memory alloys $\text{Ni}_{2+x}\text{Mn}_{1-x}\text{Ga}$
A.N. Vasiliev, V.V. Khovailo, T. Takagi. Phys. Rev. B 59 (1999) 1113-1120 Cited 415 times
2. Microscale combustion: Technology development and fundamental research
Y. Ju, K. Maruta. Progr. Energy Comb. Science 37 (2011) 669-715 Cited 314 times
3. The 2012 Plasma Roadmap
S. Samukawa, M. Hori. J. Phys. D – Appl. Phys. 45 (2012) 253001 Cited 302 times
4. Characteristics of combustion in a narrow channel with a temperature gradient
K. Maruta, T. Kataoka. Proc. Combustion Inst. 30 (2005) 2429-2436 Cited 273 times
5. Shape memory ferromagnets
A.N. Vasiliev, V.D. Buchelnikov, T. Takagi. Phys. Uspekhi 46 (2003) 559-588 Cited 213 times

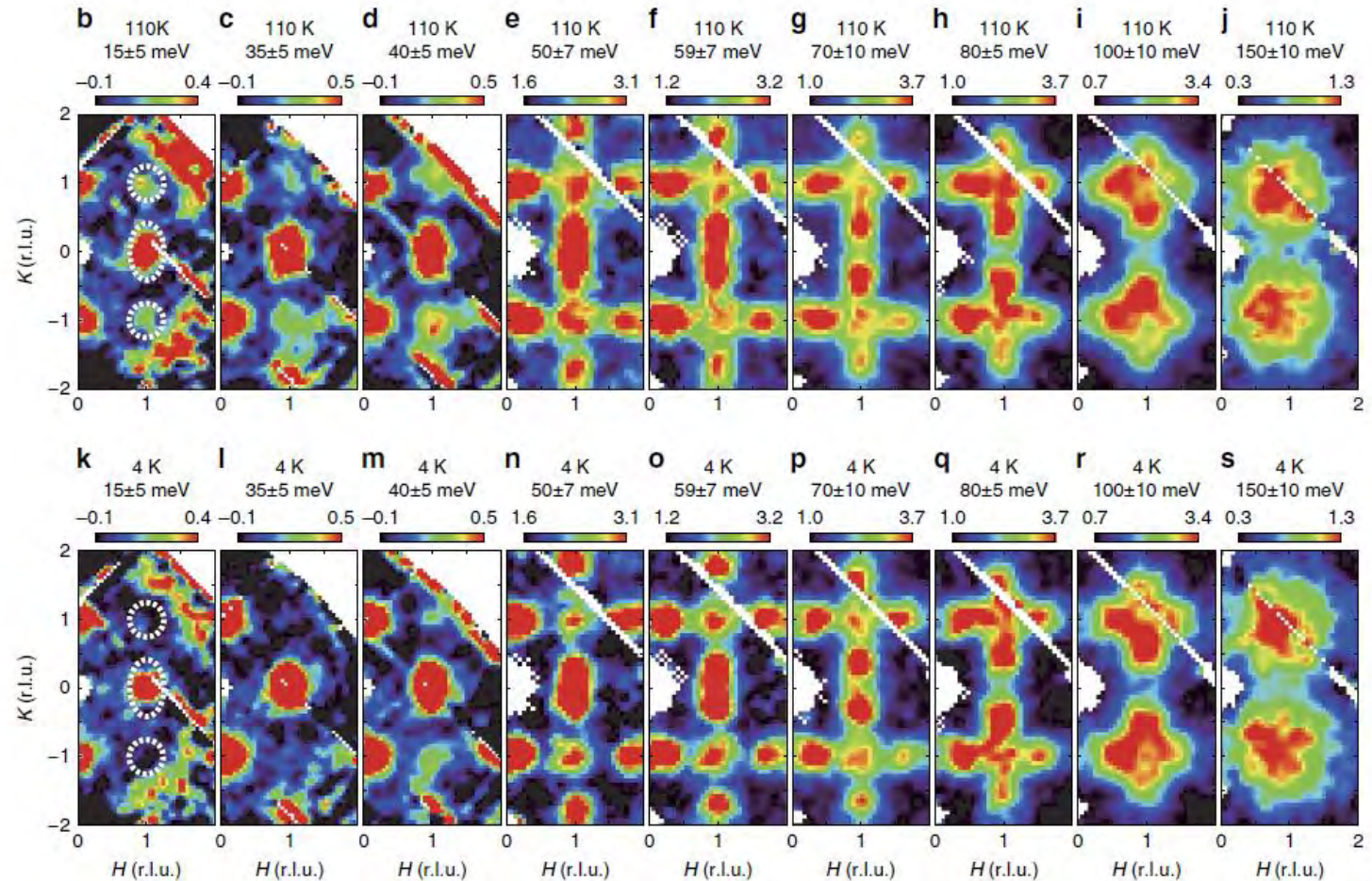
AV: 86 Joint papers in 1993 – 2019.

Totally cited 2295 times

1. Tokyo University – 53 papers
2. Tohoku University – 21 papers
3. Japan Atom Energy Research Ctr – 7 papers
4. Tokyo Institute of Technology – 6 papers
5. National Institute of Material Sci – 5 papers
6. Kyushu Uni, Osaka Uni, Kyoto Uni, Chofu Uni, Yamaguchi Uni, Nihon Uni Tokyo – 9 papers

It was mentioned at the forum as one of the best achievements in Russia – Japan joint research

Magnetic ground state of FeSe



Research Ctr. Tokai. Ibaraki @ MSU, Moscow: Nature Comm. 7 (2016) 12182

Current 2019

2nd Russian-Japanese Student Forum



6th Russian-Japanese Scientific Forum



VIII FORUM of RECTORS of RUSSIA and JAPAN



September 23rd
2019, MSU
Moscow
Russia



VIII FORUM of RECTORS of RUSSIA and JAPAN



Future

> 2019

Memorandum of understanding

MEMORANDUM OF UNDERSTANDING TO COLLABORATE ON THE JOINT DEVELOPMENT AND EXPLOITATION OF TECHNOLOGIES

The Faculty of Physics of the Lomonosov Moscow State University, hereinafter referred to as "FP MSU", represented by the Dean of the Faculty of Physics, Professor Nikolai Sysoev, Research Institute of Electrical Communication, Tohoku University, hereinafter referred to as "RIEC TU", represented by the Director of Research Institute of Electrical Communication, Professor Hideo Ohno, Institute of Fluid Science, Tohoku University, hereinafter referred to as "IFS TU", represented by the Director of Institute of Fluid Science, Professor Shigeru Obayashi, And Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, hereinafter referred to as "IMRAM TU", represented by the Director of Institute of Multidisciplinary Research for Advanced Materials, Professor Atsushi Muramatsu,

HEREBY CONFIRM THEIR INTENT:

- To collaborate on the joint development and exploitation of technologies;
- To exchange researchers for study and research;
- To exchange information and pertinent publications in fields of interest to all parties;
- To invite researchers for short-term visits for lectures, conferences, colloquia, and symposia or other academic activities;

FP MSU and RIEC TU, IFS TU and IMRAM TU shall regularly exchange information and consult each other on the realization of this MOU.

The cooperation plans, obligations and the list of joint projects or programs shall be formalized by protocols or by separate agreements with reference to the current MOU.

MISCELLANEOUS:

This MOU is not a legally binding document, however it clearly expresses the intent of FP MSU and RIEC TU, IFS TU and IMRAM TU to jointly develop and exploit technologies.

This MOU will become effective from the date of the signatures by the representatives of both parties and valid for the initial period of five years. The MOU

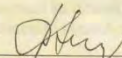
will be reviewed not less than six months prior to the natural termination of the current MOU and may be extended or renewed in mutual accordance. At any time, the terms of this MOU may be amended by mutual agreement in a written notice.

The MOU may be terminated by either party with a six-month notice.

The agreement should be concluded in four original documents, all written in English language and being equally authentic.

For the Faculty of Physics of the
Lomonosov Moscow State University
(FP MSU)

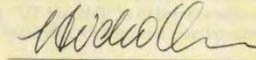
Date:



Professor Nikolai Sysoev
Dean of the Faculty of Physics

For Research Institute of Electrical
Communication, Tohoku University
(RIEC TU)

Date: March 15, 2018



Professor Hideo Ohno
Director of Research Institute of
Electrical Communication

For Institute of Fluid Science,
Tohoku University
(IFS TU)

Date: March 19, 2018



Professor Shigeru Obayashi
Director of Institute of Fluid Science

For Institute of Multidisciplinary
Research for Advanced Materials,
Tohoku University
(IMRAM TU)

Date: March 19, 2018



Professor Atsushi Muramatsu
Director of Institute of
Multidisciplinary Research for
Advanced Materials

Workshop on Quantum Magnetism and Neutron Scattering



IMRAM, TU, November 8th, 2019



Thank you