

## 2023 年 学会発表

### 2023 Presentation

Satoshi Iihama, Kazuaki Ishibashi, Shigemi Mizukami,  
"Photonic spin-torque in ferromagnet/heavy metal heterostructures"  
MRM2023/IUMRS-ICA2023,  
2023/12/11-2023/12/16

K. Ishibashi, J. Igarashi, M. Hehn, S. Iihama, J. Hohlfeld, J. Gorchon, S. Mangin, and  
G. Malinowski,  
"Magnetization reversal in Co/Pt spin valves without direct optical excitation"  
MRM2023/IUMRS-ICA2023,  
Kyoto, 2023/12/11-2023/12/16

T. Ichinose, J. Ikeda, Y. Onodera, T. Tsuchiya, K. Z. Suzuki, S. Mizukami  
"Magnetic tunnel junctions with magnetic electrodes of metastable body centered  
cubic Co-Mn-Fe alloys"  
MRM2023/IUMRS-ICA2023,  
Kyoto, 2023/12/11-2023/12/16

抜井康起、飯浜賢志、石橋一晃、水上成美,  
"CoPt 合金における円偏光誘起磁化ダイナミクス"  
応用物理学会東北支部 第 78 回学術講演会,  
2023.12.7

Kazuaki Ishibashi, Satoshi Iihama, Kouki Nukui, Shigemi Mizukami,  
"Photon-to-electron spin conversion probed by transient terahertz emission in  
platinum thin films"  
The 7th Symposium for the Core Research Clusters for Materials Science and  
Spintronics and the 6th Symposium on International Joint Graduate Program in  
Materials Science and Spintronics,  
2023/11/28-2023/12/1

Zaizhou Jin, Tomohiro Uchimura, Satoshi Iihama, Yuta Yamane, Junta Igarashi,  
Shunsuke Fukami, Shigemi Mizukami,

“Ultrafast collapse of octupole order in antiferromagnetic Mn<sub>3</sub>Sn films”

The 7th Symposium for the Core Research Clusters for Materials Science and Spintronics and the 6th Symposium on International Joint Graduate Program in Materials Science and Spintronics,  
2023/11/28-2023/12/1

中村駿希、森岡直也、水落憲和、水上成美、森下弘樹,

“Photocurrent Imaging of Single Nitrogen-Vacancy Center”

The 7th Symposium for the Core Research Clusters for Materials Science and Spintronics and the 6th Symposium on International Joint Graduate Program in Materials Science and Spintronics,  
2023/11/28 – 2023/12/1

Koki Nukui, Satoshi Iihama, Kazuaki Ishibashi, Shigemi Mizukami,

“Circularly polarized laser induced magnetization dynamics in Co<sub>1-x</sub>Pt<sub>x</sub> alloy thin films”

The 7th Symposium for the Core Research Clusters for Materials Science and Spintronics and the 6th Symposium on International Joint Graduate Program in Materials Science and Spintronics,  
2023.11.16

中村駿希、森岡直也、水落憲和、水上成美、森下弘樹,

“Photoelectrically Detected Single Nitrogen-Vacancy Centers in Diamond”

The Joint Workshop of 5th Workshop on Quantum and Classical Cryogenic Devices, Circuits, and Systems (QCCC 2023), 16th Superconducting SFQ VLSI Workshop (SSV 2023), and 2nd International Workshop of Spin/Quantum Materials and Devices (IWSQMD 2023) ,  
2023/11/16 – 2023/11/17

中村駿希、森岡直也、水落憲和、水上成美、森下弘樹,

“Photocurrent Imaging of Single Nitrogen Vacancy Center”

1<sup>st</sup> Workshop on the Chicago-Tohoku Quantum Alliance,  
2023/10/5 – 2023/10/6

抜井康起、飯浜賢志、水上成美,

“Inverse magneto-optical effect in Co-Pt disordered alloy films”

第 47 回 日本磁気学会学術講演会,  
2023.9.27

飯浜賢志, 小池雄也, 水上成美, 義永那津人,  
"スピン波リザーバー高性能化に向けた短期記憶容量のスケーリング"  
第 47 回日本磁気学会学術講演会,  
2023/9/27-2023/9/29

Shigemi Mizukami  
"Exploring advanced materials for spintronics" (invited talk)  
Spintronics and Quantum Transformation (Spin-QX 2023), Julich, Germany  
2023/8/8

Satoshi Iihama, Yuya Koike, Shigemi Mizukami, Natsuhiko Yoshinaga,  
"Nano-scale physical reservoir computing based on propagating spin-wave"  
Intermag 2023,  
2023/5/15-2023/5/19, 2023

Zaizhou Jin, Ruma Mandal, Shigemi Mizukami,  
"Investigation of damping in FeCo"  
INS-ECRM 2023,  
2023, May 15~18

R. Mandal, R. Momma, K. Ishibashi, S. Iihama, K. Suzuki, and S. Mizukami,  
"Topologically Influenced Spintronic Terahertz Emission in Co<sub>2</sub>MnGa Weyl  
Semimetal"  
Intermag 2023,  
2023/3/15-2023/3/19

Zaizhou Jin, Ruma Mandal, Shigemi Mizukami,  
"Low Gilbert damping and damping anisotropy in Fe<sub>x</sub>Co<sub>1-x</sub> alloys films"  
70th JSAP Spring Meeting, Japan,  
2023/3/15-2023/3/15-18

Y. Ichinohe, S. Iihama, R. Mandal, S. Mizukami,  
"Gilbert damping in Pt/Co films with different capping layers"

70th JSAP Spring Meeting,  
2023/3/15-2023/3/18

Satoshi Iihama, Yuya Koike, Shigemi Mizukami, Natsuhiko Yoshinaga,  
“Nano-scale reservoir computing based on propagating spin-waves in a  
ferromagnetic thin film”

第 70 回応用物理学会春季学術講演会,  
2023/3/15-2023/3/18,