TOHOKU UNIVERSITY

CORE RESEARCH CLUSTER

GPMS

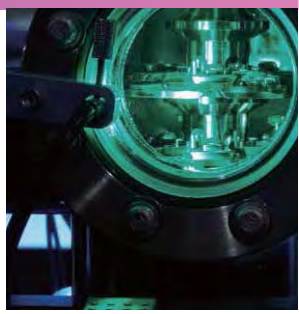
International Symposium

The 6th Symposium for the Core Research Clusters for Materials Science and Spintronics, and the 5th Symposium on International Joint Graduate Program in Materials Science

Hybrid

Online and Science Campus Hall (Aobayama East Campus 05, Tohoku University)

10.24 Mon ▼ 10.27 Thu, 2022



Program

Contact

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Information

https://confit.atlas.jp/guide/event/crcgpms2022/top

CRC-MS, TOHOKU CSIS, TOHOKU GP-MS, TOHOKU

Co-host

Global Institute for Materials Research Tohoku, Institute for Materials Research, Tohoku University

IMRT

The 6th Symposium for the Core Research Clusters for Materials Science and Spintronics, and The 5th Symposium on International Joint Graduated Program in Materials Science

October 24 (Mon) – 27 (Thu), 2022, Online (CRCs) and Hybrid (GP-MS)

Time table (JST)

October 24 (Monday)

Materials Science	Spintronics	GP-MS
13:50-14:00 **Opening address** Hideo Ohno		
14:00-14:45 **Plenary 1** **PL1 Jien-Wei Yeh** Chair: Shin-ichi Orimo		
14:50-15:35 **Plenary 2** **PL2 Roser Valenti** Chair: Shin-ichi Orimo		
15:40-16:25 **Plenary 3** **PL3 Manfred Fiebig** Chair: Shin-ichi Orimo		
16:30-17:45 Poster Session 1		

October 25 (Tuesday)

Materials Science	Spintronics	GP-MS
9:00-10:30 **M1 Catalytic and battery materials for carbon neutrality** **M1-1 Sayaka Uchida** **M1-2 Wei Lv** **M1-3 Mizuki Tada** Chairs: Hirotomo Nishihara, Keiichi Tomishige		9:00-11:00 **G1 Student Session 1** **G1-1 Andrew A. Gewirth** **G1-2 Jian-Feng Li** **G1-3 Koki Kannari** Chair: Koki Kannari
10:30-11:00 Break		
11:00-12:30 **M2 Cutting-edge measurements of biomaterials and soft matter** **M2-1 Tomohiro Nishizawa** **M2-2 Florence Tama** **M2-3 Masateru Taniguchi** Chairs: Eriko Nango, Kazuo Takimiya		
12:30-13:30 Lunch		
13:30-14:45 Poster Session 2		
	14:45-14:55 Break	14:45-15:00 Break
	14:55-17:00 **S1 Recent progress of magnetic tunnel junction and its applications** **S1-1 Hiroaki Sukegawa** **S1-2 Shoma Akamatsu** **S1-3 Joseph S. Friedman** **S1-4 Weisheng Zhao** **S1-5 Sebastien Couet** Chair: Mikihiko Oogane	15:00-17:00 **G2 Student Session 2** **G2-1 Suvankar Chakraverty** **G2-2 Thorsten Schneider** **G2-3 Lambert Alff** **G2-4 Yuki Yamamoto** Chair: Yuki Yamamoto
	17:00-17:15 Break	
17:15-18:00 **Plenary 4** **PL4 Thomas Schäpers** Chair: Makoto Kohda		
	18:00-18:15 Break	
	18:15-19:45 **S2 GP-Spin** **S2-1 Hideaki Sakai** **S2-2 Hyunsoo Yang** **S2-3 Hiroki Arisawa** **S2-4 Akihiro Ozawa** Chair: Chengrong Xie	

October 26 (Wednesday)

Materials Science	Spintronics	GP-MS
9:00-10:30 **M3 Exotic superconductivity** **M3-1 Teruo Ono** **M3-2 Tadashi Machida** **M3-3 Hong Ding** Chairs: Shigemi Mizukami, Takafumi Sato		
13:30-14:30 CRC-MS award Ceremony and Presentation		13:30-14:30 CRC-MS award Ceremony and Presentation
14:30-15:30 Poster award ceremony		
15:30-16:00 Break		15:30-16:00 Break
16:00-17:30 **M4 Novel high entropy alloys** **M4-1 An-Chou Yeh** **M4-2 Akira Takeuchi** **M4-3 Ke Chen** Chairs: Yutaka S. Sato, Hidemi Kato		16:00-18:00 **G3 Student Session 3** **G3-1 Yingying Peng** **G3-2 Johan Chang** **G3-3 Ruihua He** **G3-4 Tong Wang** Chair: Tong Wang

October 27 (Thursday)

Materials Science	Spintronics	GP-MS
		13:30-15:30 **G4 Student Session 4** **G4-1 W. Russ Algar** **G4-2 Eylon Yavin** **G4-3 Akunna Francess Ujuagu** **G4-4 Marc Vendrell** Chair: Akunna Francess Ujuagu
		15:30-16:00 Break
		16:00-18:00 **G5 Student Session 5** **G5-1 Ramin Golestanian** **G5-2 Andreas Menzel** **G5-3 Amin Doostmohammadi** **G5-4 Yuki Koyano** **G5-5 Yutaka Kinoshita** Chair: Yutaka Kinoshita
18:00-18:10 **Closing Remarks** Katsunari Oikawa		

Program (JST)

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Plenary sessions

October 24 (Monday)

Plenary 1 Chair: Shin-ichi Orimo

14:00-14:45 PL1 **Jien-Wei Yeh** (National Tsing Hua University) 1
High-entropy materials technology

Plenary 2 Chair: Shin-ichi Orimo

14:50-15:35 PL2 **Roser Valenti** (Goethe University Frankfurt) 2
Strategies to design quantum materials with exotic properties

Plenary 3 Chair: Shin-ichi Orimo

15:40-16:25 PL3 **Manfred Fiebig** (ETH Zürich) 3
Seeing is believing: Nonlinear optics on ferroic materials

October 25 (Tuesday)

Plenary 4 Chair: Makoto Kohda

17:15-18:00 PL4 **Thomas Schäpers** (Forschungszentrum Jülich) 4
Topological-insulator-superconductor networks

The Core Research Cluster for Materials Science

October 25 (Tuesday)

M1: Catalytic and battery materials for carbon neutrality Chairs: Hirotomo Nishihara, Keiichi Tomishige

M2: Cutting-edge measurements of biomaterials and soft matter Chairs: Eriko Nango, Kazuo Takimiya

October 26 (Wednesday)

M3: Exotic superconductivity Chairs: Shigemi Mizukami, Takafumi Sato

M4: Novel high entropy alloys Chairs: Yutaka S. Sato, Hidemi Kato

The Core Research Cluster for Spintronics

October 25 (Tuesday)

S1: Recent progress of magnetic tunnel junction and its application

Chair: Mikihiko Oogane

S2: GP-Spin

Chair: Chengrong Xie

International Joint Graduate Program in Materials Science

October 25 (Tuesday)

G1: Student Session 1

Chair: Koki Kannari

G2: Student Session 2

Chair: Yuki Yamamoto

October 26 (Wednesday)

G3: Student Session 3

Chair: Tong Wang

October 27 (Thursday)

G4: Student Session 4

Chair: Akunna Francess Ujuagu

October 27 (Thursday)

G5: Student Session 5

Chair: Yutaka Kinoshita

Poster session

16:30-17:45 JST, October 24 (Monday)
13:30-14:45 JST, October 25 (Tuesday)