

Program

February 4, Saturday

13:10-15:10 Session 1 CSL dynamics (Session leader: Y. Togawa)

Keywords: resonance, collective dynamics, SW propagation, confinement, phase diagram

*Speaker 1 F. Goncalves (30min)

/Frequency-swept magnetic resonance and propagations (micro CrNb3S6)

*Speaker 2 A. S. Ovchinnikov (30min)

/Theoretical considerations

*Speaker 3 Y. Togawa (30min)

/Slow dynamics, SMF, and asymmetric response in micro CrNb3S6

/Chiral plasmonics on chiral (solid) media

* Summary and discussion: Y. Togawa (30min)

15:10-15:30 Coffee (15:10-15:20 Photo)

15:30-17:30 Session 2 Phase diagram and dynamics: experimental (Session leader: M. Mito)

Keywords: M-T, M-H, thermodynamics limit (finite or infinite), confinement, surface barrier

*Speaker 1 M. Mito (30min)

/M-T diagram and dynamics: magnetization and ac susceptibility in bulk CrNb3S6

/M-H and M-T diagrams: MCD in micro CrNb3S6

*Speaker 2 M. Hagiwara: (30min)

/X-band & K-band ESR in bulk CrNb3S6

*Speaker 3 Y. Kousaka and Y. Togawa (30min)

/M-H(theta) diagram: Magnetization in bulk CrNb3S6

/M-H(theta) diagram: Magnetic torque and MagnetoResistance in micro CrNb3S6

* Summary and discussion: M. Mito (30min)

February 5, Sunday

8:00-9:00 Breakfast (Restaurant 1F)

9:30-11:30 Session 3 Phase diagram and criticality: theoretical (Session leader: Y. Kato)

*Speaker 1 Y. Kato (15min),

Summary on previous studies on phase diagram of mono-axial chiral magnet at finite temperature(tentative)

*Speaker 2 A. N. Bogdanov, (25min)

Overview on existing results on H-T phase diagrams for uniaxial and cubic helimagnets and indicate unsolved problems I(tentative)

*Speaker 3 A. Leonov (25min)

Overview existing results on H-T phase diagrams for uniaxial and cubic helimagnets and indicate unsolved problems II(tentative)

*speaker 4 M. Shinozaki(20min), Metastability, hysteresis and domain wall energy at the first order transition(tentative)

* Summary and discussion: Y. Kato(35min)

11:30-13:00 Lunch

12:10-13:00 Excursion

12:10 Front desk 12:41 train Takeo-onsen Station ->Arita Walk to Kamiarita

16:10-16:30 Poster&Coffee

16:30-18:30 Session 4 Theory of chiral phenomena (Session leader: J. Kishine)

* Ovchinnikov 25min

* Proskurin 15min

* Matsuura 15min

* Valja 15min

* Takahashi 10min

* Arima 15min

* Summary and discussion: Jun Kishine 25min

19:00-21:00 Banquet

20:40- Free

February 6, Monday

7:00-8:30 Breakfast

8:30-10:20 Session 5 Progress of materials syntheses and characterizations (Y. Kousaka)

*Y. Kousaka (20min)

Inorganic system and homochiral crystalization

*H. Ohsumi (15min)

Chiral domain characterizations

*S. Ohara (30min)

Rare-earth system

*T. Matsumura (15min)

Rare-earth system

*K. Inoue (20min)

Molecule-based system

* Summary and discussion: Y. Kousaka (20min)

10:20-10:30 Coffee

10:30-12:30 Session 6 Topological solitons, where to go? (A. Bogdanov)

Speaker1 (15 min):

*A. Leonov "Spintronic via non-axisymmetric chiral skyrmions"

(novel skyrmion states introduced in APL **109**, 172404 (2016); J. Phys.: Condens. Matter. **28**, 35LT01 (2016).)

Speaker2 (15 min)

*G. Tatara

Speaker3 (15 min)

*Ohe

Speaker4 (15 min):

A. Bogdanov "Chiral skyrmions in confined helimagnets"

* Summary and discussion: Bogdanov 40 min