

## PROGRAM

### 13 November 2001

11/13 Registration (15:00-20:00, conference office, the third floor 301)

### 14 November 2001

Oral Session 1 (9:00-10:30, the second-floor hall). Chairman: T. Luty

9:00- 9:30 K. Nasu

**O 01** Opening: Theory for photo-induced structural phase transitions

9:30-10:00 Y. Tokura (*invited*)

**I 01** Photo-modulation of spin-orbital superstructures in correlated electron systems

10:00-10:30 A. Bianconi (*invited*)

**I 02** X-ray photo-induced effect on dynamical and static charge/lattice ordering in cuprates

10:30-11:00 Coffee break

Oral Session 2 (11:00-12:30, the second-floor hall). Chairman: Y. Tokura

11:00-11:30 A. Nakamura

**O 02** Dynamical properties of photo-induced spin disorder in half-metal systems

11:30-12:00 A. Mysyrowicz (*invited*)

**I 03** Study of Bose-Einstein condensation of excitons

12:00-12:30 M. Kuwata-Gonokami (*invited*)

**I 04** Phase-coherent optical manipulation of cold biexcitonic waves

12:30-14:00 Lunch

Oral Session 3 (14:00-15:20, the second-floor hall). Chairman: M. Aihara

14:00-14:20 T. Inagaki

**O 03** Macroscopic quantum state in optically driven semiconductors

– Crossover from electron-hole BCS state to exciton Bose condensation –

14:20-14:50 H. Haug (*invited*)

**I 05** Quantum kinetics of the exciton Bose-Einstein condensation

14:50-15:20 V. I. Sugakov (*invited*)

**I 06** Instabilities and self-organization phenomena in the high density exciton systems

15:20-15:50 Coffee break

Oral Session 4 (15:50-17:20, the second-floor hall). Chairman: H. Haug

15:50-16:10 F. Minami

**O 04** High-density excitons in semimagnetic semiconductors

16:10-16:40 T. Karasawa

**O 05** Photo-induced high-density phases of exciton-polariton masses and their coherent propagation at stacking fault interface in BiI<sub>3</sub>.

16:40-17:00 M. Nakayama

**O 06** Quantum statistics behavior of the exciton-biexciton system in GaAs/AlAs type-II superlattices.

17:00-17:20 T. Iida

**O 07** Ordered states and superfluidity of quasi-two dimensional excitons in type-II quantum wells.

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Oral Session 5 (9:00-10:30, the second-floor hall). Chairman: T. Koda

9:00- 9:30 T. Ogawa

**O 08** Theory of the domino dynamics via nonadiabatic transitions

9:30-10:00 S. Koshihara

**O 09** New class of photo-induced cooperative phenomena in organic and inorganic hybrid-complexes

10:00-10:30 M. Irie (*invited*)

**I 07** New aspects of single-crystalline photochromism

10:30-11:00 Coffee break

Oral Session 6 (11:00-12:30, the second-floor hall). Chairman: F. Varret

11:00-11:30 K. Hashimoto (*invited*)

**I 08** Photo-induced phase transition accompanied with spin transition on Co-Fe polycyanide

11:30-12:00 K. Tanaka

**O 10** A new spin-crossover-complex phase generated by photo-induced phase transition

12:00-12:30 O. Sakai

**O 11** Monte Carlo simulation study on domain formation in the photo-induced low-spin high-spin transition

12:30-14:00 Lunch

Oral Session 7 (14:00-15:40, the second-floor hall). Chairman: C. Talliani

14:00-14:30 F. Varret (*invited*)

**I 09** Cooperative phenomena in spin crossover system

14:30-15:00 M. Kamada

**O 12** Photoelectron spectroscopic study on photoinduced phase transition of spin-crossover complex

15:00-15:20 T. Kawamoto

**O 13** Theoretical study of photoinduced transitions in mixed systems

15:20-15:40 O. Sato

**O 14** Photoinduced spin transition in metal complexes

Poster session (15:40-17:40). Chairman: K. Tanimura

Banquet (18:00-20:00, the first floor)

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Oral session 8 (9:00-10:20, the second-floor hall). Chairman: H. Cailleau

9:00- 9:30 C. Siders (*invited*)

**I 10** Femtosecond X-ray diffraction studies of ultrafast phase transitions

9:30-10:00 K. Tanimura

**O 15** The initial-condition sensitivity of the photoinduced ionic-to-neutral phase transition in TTF-CA

10:00-10:20 S. Iwai

**O 16** Ultrafast primary process of photo-induced NI transition and macroscopic oscillation of domain boundary in TTF-CA

10:20-10:50 Coffee break

Oral session 9 (10:50-12:40, the second-floor hall). Chairman: S. Koshihara

10:50-11:20 T. Luty (*invited*)

**I 11** Three-states model for photo-induced phase transitions,

11:20-11:50 H. Cailleau (*invited*)

**I 12** Time-resolved X-ray diffraction and photo-induced phase transformations

11:50-12:10 P. Huai

**O 17** Theory for difference between photoinduced phase and thermally excited phase

12:10-12:40 A. Bishop (*invited*)

**I 13** Some nonlinear and nonadiabatic photo-induced effects in soft electronic matter

12:40-14:00 Lunch

Oral session 10 (14:00-15:30, the second-floor hall). Chairman: S. Kurita

14:00-14:30 C. Taliani (*invited*)

**I 14** Spin injection in organic semiconductors

14:30-15:00 H. Okamoto

**O 18** Phase control and photoinduced transition in halogen-bridged transition metal compounds

15:00-15:20 T. Suemoto

**O 19** Relaxation dynamics in photo-excited halogen-bridged Pt-complexes studied by femtosecond luminescence spectroscopy

15:20-15:30 K. Tanimura

Closing