# International Symposium of Structural Thermodynamics for Young Thermodynamicists: ISST-YT

June 23-24, 2017, Osaka University, Osaka, JAPAN Room F608 (6th floor, Building F, Graduate School of Science)

Keynote Lecture	† 45 min (40 min talk + 5 min discussion)
	†† 30 min (25 min talk + 5 min discussion)
Oral Presentation	* 20 min (15 min talk + 5 min discussion)
	** 15 min (10 min talk + 5 min discussion)



### Program

### Friday, June 23, 2017

13:30 – 13:40 Opening Remarks (Prof. Yasuhiro Nakazawa, Osaka University)

Chair: Prof. Yasuhiro Nakazawa

13:40 - 14:25	Prof. Gregory Randall Stewart <sup>†</sup>	(Keynote Lecture)	
	University of Florida		

The development of specific heat techniques for small mass sample since Backmann et. al., RSI 1972

Chair: Shuhei Fukuoka

14:25 - 14:45	Satoshi Yamashita <sup>*</sup>	(0-1)	
	Osaka University		
Thermodynamics of dimer-based organic spin liquids			
14:45 - 15:05	Suguru Kitani <sup>*</sup>	(O-2)	
	Tokyo Institute of Technology		
Thermal expansion behavior of $K_{1-x}Li_xTaO_3$ and $KTa_{1-x}Nb_xO_3$			
15:05 - 15:20	Shinichi Tomoguchi <sup>**</sup>	(0-3)	

Tohoku University

Synthesis and magnetic orientation of metal organic framework inserted ferrocenium ion derivatives

15:20 – 15:40 Coffee Break

Chair: Suguru Kitani

15:40 – 16:00 Shuhei Fukuoka<sup>\*</sup> (O-4) Hokkaido University

Molecular motion and electronic state in a dimer Mott insulator  $\beta'$ -(BEDT-TTF)<sub>2</sub>ICl<sub>2</sub> studied by AC calorimetry and NMR

16:00 - 16:20	Yoji Horii <sup>*</sup>		(0-	-5)	
	Osaka University				
Supramolecular	approach for enhancing	single-molecule	magnet	properties	of
Terbium(III)-phtha	alocyaninato double-decker comp	lexes with crown me	biety		
16:20 - 16:35	Shusaku Imajo <sup>**</sup>		(0-	6)	
	Osaka University				
Low temperature e	electronic states of organic superc	onductors			
Chair: Hal Suzuki					
16:35 - 16:55	Hiroshi Akiba <sup>*</sup>		(0-	-7)	
	The University of Tokyo				
Thermal and neu	tron diffraction studies on hyd	rogen absorption/de	esorption p	rocesses in l	PdPt
nanoparticles					
16:55 - 17:10	Koyomi Nakazawa <sup>**</sup>		(0-	-8)	
	University of Tsukuba				
UV-triggered bilay	ver to nonbilayer phase transition	of a POPE/stilbene/	water syster	n	
17:10 - 17:25	Hatsuho Usuda <sup>**</sup>		(0-	.9)	
	University of Tsukuba				
A rigid core and an alkyl chain in $n$ CB have contrasting effects on the phase behavior of lipid					
bilayers					
18:00 -	Reception party (Cafeteria, La f	orêt)			

## Saturday, June 24, 2017

### Chair: Keisuke Watanabe

9:30 - 10:00	Soichi Tatsumi <sup>††</sup>	(Keynote Lecture)	
	Kyoto Institute of Technology		
Liquid-liquid trans	ition in confined cyclohexane		
10:00 - 10:15	Masatada Ishida <sup>**</sup>	(O-10)	
	Kinki University		
Thermal stability of	of lysozyme in ionic liquid and cyclodextrin		
10:15 - 10:35	Atsushi Nagoe <sup>*</sup>	(O-11)	
	Kokushikan University		
An investigation in	nto a ground state of a molecular configuration in a super-	cooled liquid phase by	
calorimetry of nan	o-confined samples		
10:35 - 10:50	Coffee Break		
Chair: Atsushi Nag	goe		
10:50 - 11:10	Shigesaburo Ogawa <sup>*</sup>	(O-12)	
	Seikei University		
New insights into	phase transition behaviors of synthetic glycolipids under anh	ydrous condition	
11:10 - 11:30	Keisuke Watanabe <sup>*</sup>	(O-13)	
	Fukuoka University		
DTA and IR to inv	estigate the phase behavior and molecular interaction of ion	ic liquid (C <sub>4</sub> mim)PF <sub>6</sub>	
11:30 - 11:50	Kiyonori Takahashi <sup>*</sup>	(O-14)	
	Hokkaido University		
Phase transition behavior of hydrogen-bonded copper complexes with fluorinated benzoates			
Chair: Satoshi Yamashita			
11.50 12.05			
11:50 - 12:05	Tetsuya Nomoto <sup>**</sup>	(0-15)	

#### Osaka University

Anomalous heat transport property in organic conductors with strong charge fluctuations

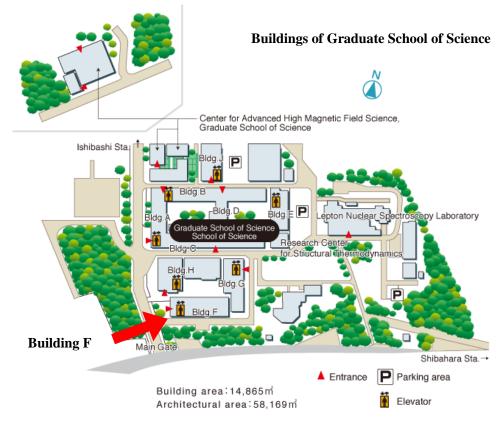
12:05 - 12:20	Mariko Noguchi <sup>**</sup>	(0-16)	
	Osaka University		
Magnetic heat capacity of dotetraconta nuclear iron complex with spin ground state of $S = 45$			

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12:20 - 12:40	Hal Suzuki <sup>*</sup>	(O-17)
	Osaka University	

Atomic motions in C<sub>60</sub> fullerene cages at low temperature

12:40 - 12:45	Closing Remarks	(Prof. Motohiro Nakano,	Osaka University)
12.10 12.13	Closing romarks	(1101: Motorino 1 (ukuno,	Obuku Omverbity)



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