

Workshop on "Solid-state chemistry for oxide and mixed-anion systems"

December 6-8, 2016

Rm. CL-110, Joint Research Lab. Building, Uji Campus, Kyoto University

Gokasho, Uji, Kyoto, Japan

Program

Dec.6 (Tue.)	Time	Speaker	Title	Affiliation	Presentation title
Chair: Y.Shimakawa	10:30				
		Yuichi Shimakawa	Prof.	ICR, Kyoto U.	[Kicking off the meeting with its scope] [Introduction of KU ICR Gr.]
	10:50	Takashi Saito	Assist. Prof.	ICR, Kyoto U.	High pressure synthesis of oxides with unusually high valence cations
	11:05	Daisuke Kan	Assoc. Prof.	ICR, Kyoto U.	Interface engineering of metal-oxygen bonds as a new route for exploring functional properties of transition metal oxides
	11:20	Hiroki Kurata	Prof.	ICR, Kyoto U.	Structural analysis of heterointerfaces in perovskite oxide thin films
	11:40	Fabio Denis Romero	PD	ICR, Kyoto U.	Successive coupled charge, magnetic, and structural transitions in $\text{Ca}_{0.5}\text{Bi}_{0.5}\text{FeO}_3$
	11:55				
			(Lunch)		[at light court, in front of the conference room]
Chair: R.S.Liu	13:30				
		Toshiyuki Ihara	Assist. Prof.	ICR, Kyoto U.	Quantitative study on photoluminescence properties of single nanocrystals using advanced time-resolved measurement techniques
	13:45	Ru-Shi Liu	Prof.	Nat.Taiwan U.	[Introduction of TW Gr.] Light conversion materials
	14:05	Mu-Huai Fang	PhD student	Nat.Taiwan U.	Enhance color rendering index via full spectrum employing the important key of cyan phosphor
	14:20	Hung-Chia Wang	PhD student	Nat.Taiwan U.	All inorganic perovskite quantum dots used in light-emitting diode
	14:35				
			(Break)		
Chair: H.Kageyama	14:55	Hiroshi Kageyama	Prof.	Kyoto U.	[Introduction of "Mixed Anion" Project] [Introduction of KU Eng. Gr.]
	15:15	Kenta Hongo	Assist. Prof.	JAIST	Large-scale first-principles simulations using massively parallel computers
	15:30				
			(Break)		
Chair: H.Kageyama	15:50	Takafumi Yamamoto	Assist. Prof.	Kyoto U.	High compressibility of hydride ion in oxyhydrides
	16:05	Fumitaka Takeiri	PhD student	Kyoto U.	Fluorine-rich perovskite oxyfluoride
	16:20	Hiroki Okamoto	PhD student	Kyoto U.	Hydride exchange and solid basicity of $\text{BaTiO}_{3-x}\text{H}_x$
	16:35				
			(Move)		
	18:00				
			Welcome social		[at "Suishin" Kyoto Station]

Dec.7 (Wed.)	Time	Speaker	Title	Affiliation	Presentation title
Chair: Z.Hiroi	9:30	Zenji Hiroi	Prof.	ISSP, U. Tokyo	[Introduction of ISSP Gr.] Research activity and recent topics on transition metal oxides
	9:50	Daigorou Hirai	Assoc. Prof.	ISSP, U. Tokyo	"Visible" orbital state in an oxychloride
	10:05	Takeshi Yajima	Assoc. Prof.	ISSP, U. Tokyo	Synthesis and physical properties of a novel oxychalcogenide with an intergrowth structure
	10:20	(Break)			
Chair: J.P.Attfield	10:40	J. Paul Attfield	Prof.	Eddinburgh U.	[Introduction of UK Gr.] Overview of Edinburgh activities
	11:00	Elise Pachoud	PD	Eddinburgh U.	Orbital molecules in mixed valent transition metal oxides
	11:20	Graham McNally	PhD student	Eddinburgh U.	High pressure synthesis of new magnetic manganites
	11:35	Hannah Johnston	PhD student	Eddinburgh U.	Structural studies of oxynitrides
	11:50	(Lunch) [at light court, in front of the conference room]			
Chair: Y.Shimakawa	13:30	Werner Paulus	Prof.	U. Montpellier	[Introduction of FR Gr.] Low-T oxygen mobility between structural/electronic ordering and catalysis
	13:50	Hiraku Ogino	Sen. Res.	AIST	Control of structure and oxygen content in iron-based superconductors with thick blocking layers
	14:10	Lab. tour			
	17:00	(Move)			
	18:30	Banquet [at The Sodoh Higashiyama Kyoto]			

Dec.8 (Thu.)	Time	Speaker	Title	Affiliation	Presentation title
	9:30				
Chair: T.Takayama		Kentaro Kitagawa	Lect.	U. Tokyo	[Introduction of UT phys Gr.] Honeycomb-lattice iridate as spin-orbital complex quantum liquid
	9:45	Tomohiro Takayama	Sci.	Max Planck Inst.	[Introduction of DE Gr.] Research activities in department of quantum materials
	10:05	Ulrich Wedig	Sen. Sci.	Max Planck Inst.	Tetrelphosphides containing Ag_6^{4+} -clusters, a bonding picture in position space
	10:25	Leslie Mareike Schoop	PD	Max Planck Inst.	Using chemical concept to create new topological materials
	10:45	(Break)			
	11:05				
Chair: T.Takayama		Hajime Ishikawa	PD	Max Planck Inst.	5d halides as spin-orbit coupled materials
	11:20	Ulrike Niemann	PhD student	Max Planck Inst.	Strain induced phase transition in the heavy fermion compound LiV_2O_4
	11:35	Aleksandra Krajewska	PhD student	Max Planck Inst.	New pyrochlore iridate $In_2Ir_2O_7$ stabilised by high pressure
	11:50				
		[Closing remark]			[Y.Shimakawa]
	12:00				