

Program

December 14 (Sun) : Symposium Day 1

	Speaker	Affiliation	Title
9:00-9:10	Opening	Takuzo Aida	RIKEN CEMS / Japan
Morning Session 1			
9:10-9:50	L-1 (Invited Lecture 1)	Ajayaghosh Ayyappanpillai	CSIR-National Institute for Interdisciplinary Science and Technology / India Fluorescent π -gels and Applications
9:50-10:30	L-2 (CEMS Lecture 1)	Yasuhiro Ishida	RIKEN CEMS / Japan Emergent Bioinspired Soft Matter Research Team
10:30-10:50	(Coffee Break)		
Morning Session 2			
10:50-11:30	L-3 (Invited Lecture 2)	Lain-Jong Li	King Abdullah University of Science and Technology / Saudi Arabia Transition Metal Dichalcogenide Monolayers and Their Applications
11:30-12:10	L-4 (CEMS Lecture 2)	Yoshihiro Iwasa	RIKEN CEMS / Japan Emergent Device Research Team
12:10-13:30	(Lunch Break)		
Afternoon Session 1			
13:30-14:10	L-5 (Invited Lecture 3)	Jianhui Hou	Chinese Academy of Sciences / China Molecular Design of Highly Efficient Photovoltaic Polymers
14:10-14:50	L-6 (CEMS Lecture 3)	Keisuke Tajima	RIKEN CEMS / Japan Emergent Functional Polymers Research Team
14:50-15:10	(Coffee Break)		
Afternoon Session 2			
15:10-15:50	L-7 (Invited Lecture 4)	Kilwon Cho	POSTECH / South Korea Surface-Directed Molecular Assembly of Organic Semiconductors for High-Performance Organic Electronics
15:50-16:30	L-8 (CEMS Lecture 4)	Kazuo Takimiya	RIKEN CEMS / Japan Emergent Molecular Function Research Group
16:30-17:10	L-9 (Invited Lecture 5)	Soo Young Park	Seoul National University / South Korea Supramolecular Optoelectronics: Self-Assembling π -Conjugated Floppy Molecules
17:10-19:30	(Dinner Break)		
Poster Session			
19:30-20:15	Poster Session (Odd)	All the posters must be exposed between 19:30 and 21:00.	
20:15-21:00	Poster Session (Even)		

December 15 (Mon) : Symposium Day 2

	Speaker	Affiliation	Title
Morning Session 1			
9:00-9:40	L-10 (Invited Lecture 6) Jackie Y. Ying	A*star Institute of Bioengineering and Nanotechnology / Singapore	Nanomaterials for Biomedical and Green Chemistry Applications
9:40-10:20	L-11 (CEMS Lecture 5) Yoshihiro Ito	RIKEN CEMS / Japan	Emergent Bioengineering Materials Research Team
10:20-10:40	(Coffee Break)		
Morning Session 2			
10:40-11:20	L-12 (Invited Lecture 7) Myongsoo Lee	Jilin University / China	Supramolecular Assembly with Switching Motion
11:20-12:00	L-13 (CEMS Lecture 6) Fumito Araoka	RIKEN CEMS / Japan	Physicochemical Soft Matter Research Unit
12:00-13:20	(Lunch Break)		
Afternoon Session 1			
13:20-14:00	L-14 (Invited Lecture 8) Vivian Wing-Wah Yam	The University of Hong Kong / Hong Kong	From Discrete Organometallics to Supramolecular Assembly, Nanostructures and Functional Materials
14:00-14:40	L-15 (CEMS Lecture 7) Daisuke Hashizume	RIKEN CEMS / Japan	Materials Characterization Support Unit
14:40-15:00	(Coffee Break)		
Afternoon Session 2			
15:00-15:40	L-16 (Invited Lecture 9) Xiaogang Liu	National University of Singapore / Singapore	Upconversion Nanocrystals: A New Class of Luminescent Bioprobes
15:40-16:20	L-17 (CEMS Lecture 8) Takuzo Aida	RIKEN CEMS / Japan	Emergent Soft Matter Function Research Group
16:20-17:00	L-18 (Invited Lecture 10) Mukhles Sowwan	Okinawa Institute of Science and Technology / Japan	Nanoparticles By Design for Nanotechnology and Biomedical Applications
17:00-	Closing Kazuo Takimiya	RIKEN CEMS / Japan	
Banquet			

Poster Presentations

Poster No.	Presenter	Affiliation	Title
P-1	Renren	DENG National University of Singapore / Singapore	TEMPORAL FULL-COLOR TUNING THROUGH NON-STEADY-STATE UPCONVERSION
P-2	Anees	PALAPURAVAN CSIR-National Institute for Interdisciplinary Science and Technology / India	SELF-ASSEMBLED SQUARAINE DYES AS A SPECIFIC PROTEIN SENSOR
P-3	Venkata Rao	KOTAGIRI RIKEN CEMS / Japan	STRUCTURAL CONTROL OVER SUPRAMOLECULAR p-n HETERO-JUNCTION NANOSTRUCTURES
P-4	Sae Byeok	JO POSTECH / South Korea	BOOSTING PHOTON HARVESTING IN BILAYER ORGANIC SOLAR CELLS USING HIGHLY-ORIENTED MOLECULAR ASSEMBLY ON MONOLAYER GRAPHENE
P-5	Masanori	SAWAMOTO RIKEN CEMS/Saitama University / Japan	BRANCHING POSITIONS-PROPERTY RELATIONSHIPS IN BRANCHED ALKYL GROUPS ON DNIT CORE
P-6	Bowen	SHEN Jilin University / China	RESPONSIVE NANOTUBULES FROM NANORIBBONS WITH ZIPPING UP AND OPEN MOTIONS
P-7	Dong Ryeol	WHANG Seoul National University / South Korea	Ir ^{III} HOMONUCLEAR DYAD AS AN EFFICIENT PHOTOSENSITIZER FOR VISIBLE LIGHT-DRIVEN PHOTOCATALYTIC WATER REDUCTION
P-8	Yoichi	NII RIKEN CEMS / Japan	ELASTICITY AND VISCOSITY OF SKYRMION CRYSTAL
P-9	Krishnachary	SALIKOLIMI RIKEN CEMS / Japan	SYNTHESIS AND CHARACTERIZATION OF WATER-SOLUBLE POLYTHIOPHENES FOR AQUA-PROCESSED ORGANIC PHOTOVOLTAIC CELLS
P-10	Daigo	MIYAJIMA RIKEN CEMS / Japan	SUPRAMOLECULAR CHAIN-GROWTH POLYMERIZATION WITH C5-SYMMETRIC CORANNULENE
P-11	Rahul Dev	MUKHOPADHYAY CSIR-National Institute for Interdisciplinary Science and Technology / India	MODULATION OF MESOSCALE SELF-ASSEMBLY IN A COORDINATION POLYMERIC GEL BY LIGHT
P-12	Koki	SANO RIKEN CEMS/The University of Tokyo / Japan	PHOTONIC WATER: QUASI-CRYSTALLINE LONG-RANGE ORDERING OF 2D ELECTROLYTES
P-13	Yongju	KIM Jilin University / China	REVERSIBLE TRANSFORMATION OF PLANAR SHEETS INTO NANOCAPSULES BY HOST-GUEST TRIGGER
P-14	Alan Kwun-Wa	CHAN The University of Hong Kong / Hong Kong	DESIGN AND SYNTHESIS OF DINUCLEAR PLATINUM(II) ALKYNYL RECEPTORS WITH STIMULI-RESPONSIVE HOST-GUEST INTERACTIONS
P-15	Chia-Chin	CHENG National Chiao Tung University / Taiwan	THERMOELECTRONIC DEVICES BASED ON GRAPHENE
P-16	Kyohei	NAKANO RIKEN CEMS / Japan	EFFECT OF INSULATING LAYER BETWEEN DONOR AND ACCEPTOR IN ORGANIC THIN FILM SOLAR CELLS
P-17	Khoa	LE RIKEN CEMS / Japan	SELF-ASSEMBLY OF A DIMER MOLECULE TO FORM DIVERSE SUPRAMOLECULAR ARCHITECTURES
P-18	Xian	QIN Institute of Materials Research and Engineering / Singapore	STABILITY OF INTRINSIC DEFECTS AND DEFECT CLUSTERS IN CUBIC AND HEXAGONAL NaYF ₄ FROM DENSITY FUNCTIONAL THEORY CALCULATIONS

P-19	Masaki	KAWAMOTO	RIKEN CEMS / Japan	PHOTOINDUCED CONTROL OF LIQUID-CRYSTALLINE HELICAL STRUCTURES USING MOLECULAR TWISTING MOTIONS
P-20	Boseok	KANG	POSTECH / South Korea	ENHANCING 2D GROWTH OF ORGANIC SEMICONDUCTOR THIN FILMS WITH MACROPOROUS STRUCTURES
P-21	Jianming	HUANG	RIKEN CEMS / Japan	SYNTHESIS, PROPERTIES OF α -TERPOLYMERS AND EFFECTS OF CONJUGATED SIDE CHAINS ON PHOTOVOLTAIC PERFORMANCE
P-22	Satria Zulkarnaen	BISRI	RIKEN CEMS / Japan	ELECTRONIC TRANSPORT IN COLLOIDAL QUANTUM DOT ARRAY
P-23	Kengo	ARANISHI	Okinawa Institute of Science and Technology / Japan	A PRELIMINARY STUDY OF SPUTTERED Ni-Pt NANOPARTICLES FOR HYDROLYSIS OF AMMONIA BORANE
P-24	Sammuel Yu-Lut	LEUNG	The University of Hong Kong / Hong Kong	HIERARCHICAL ASSEMBLY DIRECTED BY Pt ^{•••} Pt and π - π STACKING INTERACTIONS IN LUMINESCENT DINUCLEAR ALKYNYLPLATINUM(II) COMPLEXES
P-25	Joonil	CHO	RIKEN CEMS / Japan	STABILIZATION OF β -PEPTIDE HELICES BY DIRECT ATTACHMENT OF TRIFLUOROMETHYL GROUPS TO PEPTIDE BACKBONES
P-26	Venkata Subba Rao	JAMPANI	RIKEN CEMS / Japan	THREE DIMENSIONAL SELF-ASSEMBLY OF CHIRAL NEMATIC COLLOIDAL CRYSTALS
P-27	Sunao	SHIMIZU	RIKEN CEMS / Japan	IONIC GATING ON THERMOELECTRIC TRANSPORT IN LOW DIMENSIONAL ELECTRONS
P-28	Ming-Hui	CHIU	King Abdullah University of Science and Technology / Saudi Arabia	SPECTROSCOPIC SIGNATURES FOR INTERLAYER COUPLING IN MoS ₂ -WSe ₂ Van der Waals STACKING
P-29	Zhen	CHEN	RIKEN CEMS/The University of Tokyo / Japan	DESIGN PRINCIPLES FOR POLYMERS PROCESSABLE INTO A 2D HOMEOTROPIC ORDER
P-30	Norifumi	KISHI	RIKEN CEMS / Japan	A PHOTO-RESPONSIVE METAL-LINKED MOLECULAR TUBE: ENCAPSULATION AND RELEASE OF FULLERENS
P-31	Long	YE	Chinese Academy of Sciences / China	MORPHOLOGY FINE-TUNING OF HIGH PERFORMANCE POLYMER SOLAR CELLS
P-32	Zha	LI	RIKEN CEMS / Japan	DEVELOPMENT OF WATER-BASED TERNARY COLLOID COMPOSED OF POLYTHIOPHENE/FULLERENE/SINGLE-WALLED CARBON NANOTUBES FOR SOLAR CELLS
P-33	Ji Eon	KWON	Seoul National University / South Korea	HIGHLY LUMINESCENT IMIDAZOLE-BASED EXCITED-STATE INTERMOLECULAR PROTON TRANSFER (ESIPT) MATERIALS AND THEIR OPTOELECTRONIC APPLICATIONS
P-34	Motoki	UEDA	RIKEN CEMS / Japan	PHASE-SEPARATED MOLECULAR ASSEMBLIES FROM AMPHIPHILIC POLYPEPTIDES HAVING HELICAL HYDROPHOBIC BLOCK

Presentation time (Dec.14 only):

Odd-numbered Posters 19:30 - 20:15

Even-numbered Posters 20:15 - 21:00

*** All the posters have to be exposed between 19:30 and 21:00.**

Place: Main Symposium Hall (Karamatsu), see page 85 for the layout.

IMPORTANT : "CEMS Rising Star Award" will be given for two best poster presentations !!