Sunday, August 30

Opening Ceremony			
16:30-16:40			
Keynote Lecture			
		Chair: to be announced	
16:40-17:30	K01	Photochirogenesis in Molecular, Supramolecular, and Biomolecular Regimes	
		Yoshihisa Inoue	
Plenary			
		Chair: to be announced:	
17:30-18:30			
		Akira Suzuki	
Welcome Reception			
19:00-		At Faculty House Trillium inside Hokkaido University	

Monday, August 31				
Invited				
		Chair: to be announced:		
9:00-9:30	IN01	Modeling Peptide IR, Raman and VCD with Variation in Structure. Local and Extended Contributions		
9:30-10:00	IN02	Timothy A. Keiderling, Jan Kubelka, Petr Bour, Yue Wei, Frank Vazquez β -Sheet-twist as a Clue for the Secondary Structure Determination and Fold Recognition from the CD Spectra of Proteins Kardos József, Frank Wien, Linda Kernya, Young-Ho Lee, Yuji Goto, Matthieu Réfrégiers, András Micsonai		
		Oral		
		Chair: to be announced:		
10:00-10:20	001	Tetra Spermine Porphyrin as Inducer, Stabilizer and Chiroptical Probe for DNA Conformations		
		Alessandro D'Urso, Chiara Gangemi, Nina Berova, Roberto Purrello		
10:20-10:40	002	Synchrotron Radiation CD, What is Next? Diamond B23 Perspective		
		Giuliano Siligardi, Tamas Javorfi, Rohanah Hussain		
10:40-11:00	10:40-11:00 Coffee Break			
		Chair: to be announced:		
11:00-11:15	003	Conformations of Membrane-Bound Proteins Characterized by Vacuum-Ultraviolet Circular-Dichroism and Linear-Dichroism Spectroscopy		
		Koichi Matsuo, Yasuyuki Maki, Hirofumi Namatame, Masaki Taniguchi, Kunihiko Gekko		
11:15-11:30	004	Comparative Analysis of CD Spectra and Secondary Structures of ZnO Binding Peptides		
		Monika Michaelis, Christian Perl, Robert Meißner, Susan Köppen, Lucio Colombi Ciacchi		
11:30-11:50	005	Development of High Sensitive and High Time-Resolve Circular Dichroism Detection Detection Method		
		- Toward the Analyses of Supramolecular Chirality and Dynamics -		
		Takehiko Wada, Makoto Kuronuma, Takehito Sato, Yutaka Sano, Seiji Sakamoto, Makoto Murakami, Katsuji Hasegawa, Tadashi Mori, Yoshihisa Inoue, Yasuyuki Araki		
		Invited		
		Chair: to be announced:		
11:50-12:20	IN03	Refinements of the Active Site Structures in Photoreceptor Proteins by Raman Optical Activity Masashi Unno		

10:40-11:00		Lucheon		
Invited				
Chair: to be ann				
14.30-15.00	14:30-15:00 IN04 Chirality in Electronically Excited States - Quantum Chemical Simulati			
11.50 15.00		Magdalena Pecul, Anna Pikulska, Maciej Kamiński, Janusz Cukras, Sonia		
		Coriani, Antonio Rizzo, Benedetta Mennucci		
Oral				
Chair: to be announced				
15:00-15:20	006	$C \equiv 0$, $C = 0$ and C-0 Stretchings as Chirality Probes in VCD Spectra		
		Sergio Abbate, Giovanna Longhi, Giuseppe Mazzeo		
15:20-15:40	007	Calculations of Magneto-Chiral Dichroism		
		Janusz Cukras, Joanna Kauczor, Patrick Norman, Antonio Rizzo, Geert L.J.A.		
		Rikken, Sonia Coriani		
15:40-16:00	Coffee Break			
KN session				
		Chair: to be announced:		
16:00-16:20	KN01	In Celebration of Prof. Koji Nakanishi's 90th Birthday.		
		Development of the CD Exciton Chirality Method in Sendai		
		Nobuyuki Harada		
16:20-16:40	KN02	Koji Nakanshi's Enchanting Endeavor on Electronic Circular Dichroism for 45		
		Years at Columbia University		
		Nina Berova		
16:40-17:00	KN03	Santonin and Related Compounds – Milestone Molecules in Terpenes Chemistry		
		Seen through the Prism of Modern Analytical Techniques		
17:00-17:20	KN04	Jadwiga Frelek Progress in Absolute Stereochemical Determination of Organic Molecules via		
17.00 17.20		Exciton Coupled Circular Dichroism		
		Babak Borhan		
17:20-17:40	KN05	Stereochemical Study of Natural Products by Electronic Circular Dichroism		
		Attila Mándi, Tibor Kurtán		
17:40-18:00	KN06	The Role of Intrinsic Magnetic Moments in Exciton-coupled ECD Spectra: Apparent Exceptions to the Exciton Chirality Rule Explained		
		Gennaro Pescitelli, Torsten Bruhn, Sandro Jurinovich, Ciro A. Guido, Benedetta Mennucci		
18:00-18:20	KN07	ECD Assisted Structural Analyses of <i>epi</i> -Cochlioquinone D		
		Masaru Hashimoto, Miki Arayama, Tatsuo Nehira, Hayato Maeda, Kazuaki		
		Tanaka, Hisashi Miyagawa, Tamio Ueno, Seijiro Hosokawa		

Young Scientists' Night

19:00-

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	-	Invited	
		Chair: to be announced:	
9:00-9:30	IN05	Double-Stranded Helical Foldamers with Unique Chiroptical Properties Eiji Yashima	
9:30-10:00	IN06	Chiroptical switches based on helicenic transition metal complexes Jeanne Crassous	
		Oral	
		Chair: to be announced:	
10:00-10:20	008	Experimental and Computational CPL Studies of Molecules Employed in Material and Biophysical Science	
10:20-10:40	009	Giovanna Longhi, Ettore Castiglioni, Sergio Abbate, Giuseppe Mazzeo Circularly Polarized Photon Energy Dependent Sign Inversion of π -Conjugated Polymer Aggregates in Tuned Optofluidic Medium Michiya Fujiki, Yuri Donguri, Yin Zhao, Ayako Nakao, Nozomu Suzuki, Kana	
		Yoshida, Wei Zhang	
10:40-11:00 Coffee Break			
11:00-11:20	010	Chair: to be announced: Metal-centered Chirality-Inversion between Solid State and Solution Steffen Lüdeke, Anne-Christine Chamayou, Gamall Makhloufi, Laurence A. Nafie, Christoph Janiak	
		Invited	
		Chair: to be announced:	
		chain to be announced.	
11:20-11:50	IN07	Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata	
11:20-11:50 11:50-12:20	IN07 IN08	Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe	
11:50-12:20		Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata VCD Spectroscopy of Chiral Complexes and Carbohydrates: Solvent and Concentration Effects Yunjie Xu	
		Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata VCD Spectroscopy of Chiral Complexes and Carbohydrates: Solvent and Concentration Effects Yunjie Xu Lucheon	
11:50-12:20		Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata VCD Spectroscopy of Chiral Complexes and Carbohydrates: Solvent and Concentration Effects Yunjie Xu Lucheon Invited	
11:50-12:20 12:30-13:30	IN08	Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata VCD Spectroscopy of Chiral Complexes and Carbohydrates: Solvent and Concentration Effects Yunjie Xu Lucheon Invited Chair: to be announced:	
11:50-12:20		Rotaxane's Molecular Chirality Studied Using Dynamic Helix Probe Toshikazu Takata VCD Spectroscopy of Chiral Complexes and Carbohydrates: Solvent and Concentration Effects Yunjie Xu Lucheon Invited	

Malcolm Kadodwala

Oral				
Chair: to be announced:				
15:30-15:50	011	Near-field Imaging for Nanoscale Local Circular Dichroism		
		Tetsuya Narushima, Shun Hashiyada, Hiromi Okamoto		
15:50-16:10	012	Raman Optical Activity on Surfaces, in Gases and Lanthanide Complexes		
		Jaroslav Šebestík, Vít Novák, Jana Hudecová, Tao Wu, Shigeki Yamamoto, Petr Bouř		
16:10-16:30		Coffee Break		
Oral				
		Chair: to be announced:		
16:30-16:50	013	Orbital-Based Analysis of Molecular Optical Activity		
		Marco Caricato		
16:50-17:10	014	Computation of Electronic Circular Dichroism Spectra and Optical Rotation by		
		Simplified Time-Dependent Density Functional Theory		
		Christoph Bannwarth, Stefan Grimme		
Invited				
		Chair: to be announced:		
17:10-17:40	IN11	A Novel Fragment-Based Method for Evaluating the Vibrational Circular Dichroism Spectra of Large Molecules		
		Krishnan Raghavachari, Jovan J. K. Varghese		
Keynote Lecture				
		Chair: to be announced:		
17:40-18:20	K02	Chiroptical Spectroscopy: Triumphs, Traps and New Developments		
		Prasad L. Polavarapu		
Banquet				

19:00-

Wednesday, September 2

Oral

		Chair: to be announced:		
9:00-9:20	015	Optical Activity in the X-ray Range.		
		Andrei Rogalev, Fabrice Wilhelm, Jose Goulon		
9:20-9:40	016	THz Transmission Eigenpolarizations of Archimedean Spiral Arrays		
		Charles A. Schmuttenmaer, Daniel J. Aschaffenburg, Michael R. C. Williams		
9:40-10:00	017	DichOS: An Optical Device for Absolute CD Calibration at Multiple Wavelengths		
		Nigel T. H. White, Lindsay J. Cole		
10:00-10:20	018	Potential for Protein Conformational Analysis Provided by Fluorescence-detected Circular Dichroism (FDCD)		
		Tatsuo Nehira, Hirone Ito, Kaoru Ishihara, Keiko Masuda, Kazuyoshi Ukena, Koichi Matsuo, Shunsuke Izumi, Takeshi Yamazaki, Atsuhiko Ishida		
10:20-10:40		Coffee Break		
10:20-10:40		Coffee Break Chair: to be announced:		
<u>10:20-10:40</u> 10:40-10:55	019			
	019	Chair: to be announced:		
	019 020	Chair: to be announced: Understanding the Relative Magnitude of the Bands in VCD Spectra		
10:40-10:55		Chair: to be announced: Understanding the Relative Magnitude of the Bands in VCD Spectra Valentin Paul Nicu A Versatile Tool for the Simulation and Interpretation of Chiroptical Spectroscopies		
10:40-10:55 10:55-11:10	020	Chair: to be announced: Understanding the Relative Magnitude of the Bands in VCD Spectra Valentin Paul Nicu A Versatile Tool for the Simulation and Interpretation of Chiroptical Spectroscopies Julien Bloino, Alberto Baiardi		
10:40-10:55		Chair: to be announced: Understanding the Relative Magnitude of the Bands in VCD Spectra Valentin Paul Nicu A Versatile Tool for the Simulation and Interpretation of Chiroptical Spectroscopies		
10:40-10:55 10:55-11:10	020	Chair: to be announced: Understanding the Relative Magnitude of the Bands in VCD Spectra Valentin Paul Nicu A Versatile Tool for the Simulation and Interpretation of Chiroptical Spectroscopies Julien Bloino, Alberto Baiardi Recent Advances in the Use of Chiroptical Methods for Stereochemical		

11:25-

Thursday, September 3

Oral

		Chair: to be announced:		
9:00-9:15	022	Chiroptical study on thalidomide in solid and solution state		
		Toru Asahi, Hiroki Toriyama, Yoshiyuki Ogino, Masahito Tanaka,		
		Togo Shimozawa, Norio Shibata		
9:15-9:30	023	Chirality Induction, Transfer and Inversion in Dendric Chiral Metal Complexes with Six Helical Branches		
		Hiroyuki Miyake, Tatsuya Sakamoto, Kazuaki Ohara, Kentaro Yamaguchi, Hiroshi Tsukube		
9:30-10:45	024	Effects of Ion Pairing on Vibrational CD Spectra		
		Christian Merten, Corina Pollok		
9:45-10:00	025	Chirality Sensing of Chiral Hydrocarbons Based on Helicity Induction and Memory Effect in a Polyacetylene Bearing 2,2'-Biphenol-Derived Pendants		
		Katsuhiro Maeda, Natsuki Okoshi, Kouhei Shimomura, Tomoyuki Ikai, Shigeyoshi Kanoh, Eiji Yashima		
10:00-10:15	026	Synthesis and Complexation Behavior of Modified Amylose Containing Alkyl Spacer at a Regular Interval in the Main Chain		
		Yasuhito Koyama, Tamaki Nakano		
10:15-10:35		Coffee Break		
		Conce Broan		
		Chair: to be announced:		
10:35-10:50	027			
	027	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/		
	027 028	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra		
10:35-10:50		Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral		
10:35-10:50		Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral Primary Amines		
10:35-10:50 10:50-11:05	028	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral Primary Amines Leo A. Joyce, Edward C. Sherer, Christopher J. Welch Electronic and Vibrational Circular Dichroism in Solving Structural Problems –		
10:35-10:50 10:50-11:05	028	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral Primary Amines Leo A. Joyce, Edward C. Sherer, Christopher J. Welch Electronic and Vibrational Circular Dichroism in Solving Structural Problems – Partners or Competitors?		
10:35-10:50 10:50-11:05 11:05-11:20	028	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral Primary Amines Leo A. Joyce, Edward C. Sherer, Christopher J. Welch Electronic and Vibrational Circular Dichroism in Solving Structural Problems – Partners or Competitors? Magdalena Jawiczuk, Jadwiga Frelek VCD Structural Analysis Using Program of Conformational Code for Organic		
10:35-10:50 10:50-11:05 11:05-11:20	028	Chair: to be announced: Advances in, and Applications of, Similarity Analysis of Dissymmetry Factor/ Circular Intensity Differential Spectra Cody Covington, Prasad Polavarapu Imine-Based Chiroptical Sensing for the Stereochemical Analysis of Chiral Primary Amines Leo A. Joyce, Edward C. Sherer, Christopher J. Welch Electronic and Vibrational Circular Dichroism in Solving Structural Problems – Partners or Competitors? Magdalena Jawiczuk, Jadwiga Frelek VCD Structural Analysis Using Program of Conformational Code for Organic Molecules (CCOM)		

Invited				
11:50-12:20	IN12	Advances in the VCD Analysis of Protein Fibrils Laurence A. Nafie, Rina K. Dukor	Chair: to be announced:	
Closing Ceremony				
12:20-				