

December 8th, Friday		December 9th, Saturday	
13:00 - 13:30	Opening Session	09:00 - 11:20	Session 3
	T.Kawai (Director, ISIR) (Chair: S. Tagawa)	09:00 - 09:30 Sa-1	I.Frebort (Palacky Univ.) (Chair: K.Tanizawa)
13:30 - 14:50	Session 1	09:30 - 10:00 Sa-2	L.M.Tolbert (Georgia Inst. of Tech.) (Chair: T.Maijima)
13:30 - 14:00 Fr-1	H.Lueth (Forschun. Juelich) (Chair: H.Asahi)	10:00 - 10:30 Sa-3	K.Ding (CAS) (Chair: H.Sasai)
14:00 - 14:30 Fr-2	S.Wurm (SEMATECH) (Chair: S.Tagawa)	10:30 - 11:00 Sa-4	E.Bibi (Weizmann Inst. of Sci.) (Chair: A.Yamaguchi)
14:30 - 14:50 Fr-3	H.Sakaki (Univ. of Tokyo) (Chair: H.Asahi)	11:00 - 11:20 Sa-5	Y.Moriyama (Okayama Univ.) (Chair: A.Yamaguchi)
14:50 - 15:20 Fr-4	Special Session J-L.Marignier (CNRS) (Chair: S.Tagawa)	11:20 - 11:30	Break
15:20 - 15:40	<i>Photo & Coffee Break</i>	11:30 - 14:30	Session 4
15:40 - 17:00	Session 2	11:30 - 12 :00 Sa-6	A.-M.Haghiri-Gosnet (CNRS) (Chair: S.Yamanaka)
15:40 - 16:10 Fr-5	S.Deb (NREL) (Chair: H.Kobavashi)	12:00 - 12:30 Sa-7	J-S. Lee (Hanyang Univ.) (Chair: S.Yamanaka)
16 :10 - 16:40 Fr-6	L.Ouahab (CNRS) (Chair: Y.Aso)	12:30 - 13:40	Lunch
16:40 - 17:00 Fr-7	M.Murakami (Shibaura Inst. of Tech.) (Chair: S. Nishijima)	13:40 - 14:10 Sa-8	H.Hahn (INT, Forsch. Karlsruhe) (Chair: S.Yamanaka)
17:00 - 17:10	<i>Break</i>	14:10 - 14:30 Sa-9	S.Kitagawa (Kyoto Univ.) (Chair: S.Yamanaka)
17:10 - 18:50 Fr-8	Poster Talk	14:30 - 14:40	<i>Break</i>
19:10 - 20:40	<i>Banquet</i>	14:40 - 16:30	Session 5
20:40 - 22:10	Poster Session	14:40 - 15:10 Sa-10	R.H. Lathrop (Univ. of California) (Chair: T.Washio)
		15:10 - 15:40 Sa-11	M.E. Houle (National Inst.Info.) (Chair: T.Washio)
		15:40 - 16:10 Sa-12	T.B. Ho (JAIST) (Chair: T.Washio)
		16:10 - 16:30 Sa-13	H.Arimura (Hokkaido Univ.) (Chair: T.Washio)
		16:30 - 17:00	Comments Closing Session

December 8th (Fri.)

Opening Session

13:00 - 13:30 (Chairperson: S. Tagawa)

Prof. Tomoji Kawai, Director, ISIR, Osaka University, Japan

"Opening Speech"

Session 1: IT Nanotechnology Group

13:30 - 14:00 (Chairperson: H. Asahi)

Prof. Dr. Hans Lueth (Fr-1)

(Forschungszentrum Juelich GmbH, Germany)

"Semiconductor Nanocolumn Devices for a Beyond-CMOS Scenario"

14:00 - 14:30 (Chairperson: S. Tagawa)

Dr. Stefan Wurm (Fr-2)

(SEMATECH)

"A Nanoscale Perspective of Extreme Ultraviolet Lithography"

14:30 - 14:50

Prof. Hiroyuki Sakaki (Fr-3)

(Institute of Industrial Science, Univ. of Tokyo, Japan)

"Electron manipulation by Quantum Dots, Quantum Wires, and Related Nanostructures for Advanced Electronics and Photonics"

Special Session: Collaboration Between CNRS and Sanken

14:50 - 15:20 (Chair: S.Tagawa)

Prof. J-L.Marignier (Fr-4)

(CNRS)

15:20 - 15:40 Photo & Coffee Break

Session 2: Energy and Environment Group

15:40 - 16:10 (Chairperson: H. Kobayashi)

Dr. Satyen Deb (Fr-5)

(National Renewable Energy Laboratory, USA)

"Current Research on Nanoscience for Renewable Energy Technologies at NREL"

16:10 - 16:40 (Chairperson: Y. Aso)

Prof.,Dr. Lahcene Ouahab (Fr-6)

(CNRS - University of Rennes, France)

"Multifunctional conducting and magnetic molecular materials based on coordination complexes and TTF derived ligands"

16:40 - 17:00 (Chairperson: S. Nishijima)

Prof. Masato Murakami (Fr-7)

(Shibaura Institute of Technology, Japan)

"Auto-assembled Nano-structure Observed in Mixed RE-Ba-Cu-O"

17:00 - 17:10 Break

17:10 - 18:50 **Poster Talk (Fr-8)**

(Short Poster Presentations for Major Topics of Each Group)

1: Nanomaterials Group

Prof. T. Kawai

Prof. T. Yamamoto

Prof. S. Yamanaka

Prof. Y. Hirotsu

Prof. H. Nakajima

2: IT Nanotechnology Group

Prof. H. Katayama-Yoshida

Prof. H. Asahi

Prof. K. Tanimura

Prof. S. Tagawa

Prof. K. Matsumoto

Prof. Y. Yoshida

Prof. H. Tabata

3: NanoBio Group

Prof. A. Yamaguchi

Prof. H. Iwasaki

Prof. T. Majima

Prof. K. Tanizawa

Prof. N. Kato

Prof. H. Noji

Prof. H. Sasai

4: Energy and Environment Group

Prof. Y. Aso

Prof. G. Isoyama

Prof. H. Kobayashi

Prof. S. Nishijima

Prof. K. Suganuma

Prof. T. Takeda

Prof. K. Nakatani

5: Information Science Group

Prof. R. Mizoguchi

Prof. M. Numao

Prof. Y. Yagi

Prof. T. Washio

19:10 - 20:40 **Banquet**

20:40 - 22:10 **Poster Session**

December 9th (Sat.)

Session 3: NanoBio Group

09:00 - 09:30 (Chairperson: K. Tanizawa)

Prof. Ivo Frebort (Sa-1)

(Department of Biochemistry, Faculty of Science, Palacky University, Czech Republic)

"Oxidative and hydrolytic cleavage of N6-substituted purine derivatives with biomedical and biotechnological potential"

09:30 - 10:00 (Chairperson: T. Majima)

Prof. Laren Malcolm Tolbert (Sa-2)

(Georgia Institute of Technology, USA)

"Excited-state proton transfer in biology--new insights from the green fluorescent protein"

10:00 - 10:30 (Chairperson: H. Sasai)

Prof. Kuiling Ding (Sa-3)

(Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China)

"Self-Supported Chiral Catalysts for Heterogeneous Enantioselective Reactions"

10:30 - 11:00 (Chairperson: A. Yamaguchi)

Prof. Eitan Bibi (Sa-4)

(Weizmann Institute of Science, Israel)

"Promiscuity in multidrug recognition and transport by MdfA"

11:00 - 11:20 (Chairperson: A. Yamaguchi)

Prof. Yoshinori Moriyama (Sa-5)

(Okayama Univ., Japan)

"Development of Transporter Technology"

11:20 - 11:30 Break

Session 4: Nanomaterials Group

11:30 - 12:00 (Chairperson: S. Yamanaka)

Dr. Anne-Marie Haghiri-Gosnet (Sa-6)

(Institut d'Electronique Fondamentale –UMR8622/CNRS, France)

"Oxide spintronic devices"

12:00 - 12:30 (Chairperson: S. Yamanaka)

Prof., Dr. Jai-Sung Lee (Sa-7)

(Department of Metallurgy and Materials Science, Hanyang University, Korea)

"The Role of Interface Control in Processing of Net-shaped Nanoparticulate Material"

12:30 - 13:40 Lunch

13:40 - 14:10 (Chairperson: S. Yamanaka)

Prof. Horst Hahn (Sa-8)

(Institute for Nanotechnology, Forschungszentrum Karlsruhe, Germany)

"Novel Aspects of Property Control in Nanostructured Materials"

14:10 - 14:30 (Chairperson: S. Yamanaka)

Prof. Susumu Kitagawa (Sa-9)

(Kyoto University, Department of Synthetic Chemistry & Biological Chemistry, Japan)

"Chemistry and Application of Porous Coordination Polymers"

14:30 - 14:40 Break

Session 5: Information Science Group

14:40 - 15:10 (Chairperson: T. Washio)

Prof. Richard H. Lathrop (Sa-10)

(Donald Bren School of Information and Computer Sciences, University of California, USA)

"Intelligent Systems and Computational Biology"

15:10 - 15:40 (Chairperson: T. Washio)

Prof. Michael E. Houle (Sa-11)

(National Institute of Informatics, Japan)

"Clustering Without Data: the Relevant-Set Correlation Model"

15:40 - 16:10 (Chairperson: T. Washio)

Prof. Tu Bao Ho (Sa-12)

(Japan Advanced Institute of Science and Technology (JAIST), Japan)

"Scientific data mining: opportunities and challenges"

16:10 - 16:30 (Chairperson: T. Washio)

Prof. Hiroki Arimura (Sa-13)

(Graduate School of Information Science and Technology, Hokkaido University, Japan)

"Efficient Semi-structured Data Mining: Towards Knowledge Infrastructure Formation from Massive Semi-structured Data"

16:30 - 17:00 **Closing Session**