The 6th International Conference
on
Synchrotron Radiation Instrumentation
(SRI '97)

Aug. 4 to Aug. 8, 1997

Himeji, Hyogo

Final Announcement

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A Message from the Chair of SRI'97

Hiromichi Kamitsubo
Chair of SRI'97 Organizing Committee
Director of SPring-8 Project Team

It is a great honor to open the Sixth International Conference on Synchrotron Radiation Instrumentation (SRI'97). SPring-8 has tremendous pleasure in welcoming so many distinguished scientists and engineers, from Japan and across the world, to Himeji.

This year marks the fiftieth anniversary of the first time that synchrotron radiation was observed. And this special year provides a fitting opportunity to look back at past achievements, and forward to -- what must surely be -- an exciting future. The pace of change in synchrotron radiation research is truly impressive. And many remarkable achievements have emerged during the time since the former international conference at Stony Brook, in the USA. Moreover, progress in machine technology is being exploited in third-generation sources. For example, the latest undulators are creating coherency and microbeam production that will add a further dimension to synchrotron radiation research.

SPring-8 produced its first synchrotron radiation at the end of March and is currently commissioning beamlines. We look forward to important results both in hard X-ray, and soft X-ray to infrared, regions.

In closing, I would like to thank everyone who has worked so hard to make this event possible. SPring-8 appreciates the many contributions made by the international scientific community, as well as generous support from the Hyogo Prefecture and Himeji City local governments. We have a valuable opportunity to share information about instrumentation in synchrotron radiation research.

And I hope that we will be able to do our best to exploit that opportunity. I wish you all a successful conference.

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Organized by **:**

Japanese Society for Synchrotron Radiation Research
Japan Atomic Energy Research Institute (JAERI)
The Institute of Physical and Chemical Research (RIKEN)
Japan Synchrotron Radiation Research Institute (JASRI)

Hosted by **:** JAERI-RIKEN SPring-8 Project Team

Sponsored by **:**

Himeji City (Japan)
Hyogo Prefecture (Japan)

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Atomic Energy Society of Japan
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The Biophysical Society of Japan
The Chemical Society of Japan
The Crystallographic Society of Japan
The Japan Society of Applied Physics
The Physical Society of Japan
Science and Technoligy Agency

The Conference Schedule

● Scientific Program : Himeji Citizens Hall

Oral Presentation 4th (Monday)-8th (Friday)

Poster Presentation 4th (Monday)-8th (Thursday)

● Special Program to Remember

8/3 (Sun) Main Hall / Himeji Chamber of Commerce Building

13:00 [Registration]

19:00 ["Get-Together Party"]

8/4 (Mon) Main Hall / Himeji Citizens Hall

9:00 [Opening Address]

Hiromichi Kamitsubo (Chair, Organizing Committee)

Toshitami Kaihara (Governor, Hyogo Prefecture)

9:15 [Opening Lecture]

Herman Winick (SSRL, Stanford)

Ian Munro (Daresbury Laboratory)

8/6 (Wed)

15:30 [SPring-8 Site Tour]

8/7 (Thu) Main Hall / Himeji Citizens Hall

15:30 [Special Lecture - Fifty Years of Synchrotron Radiation]

John Blewett (USA)

Robert Madden (NIST, USA)

Kenneth C. Holmes (MPI, Germany)

Taizo Sasaki (SPring-8, Japan)

Main Hall / Himeji Chamber of Commerce Building

19:00 [Conference Banquet]

8/8 (Fri) Main Hall / Himeji Citizens Hall

15:15 [Closing Remark]

Ruprecht Haensel (Universitat Kiel)

MONDAY August 4	TUESDAY August 5	WEDNESDAY August 6	THURSDAY August 7	FRIDAY August 8
Morning: Opening Lecture Facility Reports	Morning: Oral Session Oral Session	Morning: Oral Session Oral Session	Morning: Oral Session Oral Session	Morning: Oral Session Oral Session
Afternoon: Oral Session Oral Session Poster Session	Afternoon: Oral Session Oral Session Poster Session	Afternoon: Poster Session SPring-8 Site Tour	Afternoon: Poster Session Special Lecture Conference Banquet	Afternoon: Oral Session Closing Remark

Program - Oral Presentation

---------- Main Hall ----------

8/4 (Monday)

9:00 [Opening Address]

Kamitsubo, H. (Chair, Organizing Com.)

Kaihara, T. (Governor, Hyogo Prefecture)

9:15 [Opening Lecture]

Winick, H.: Synchrotron Radiation Sources - Present Capabilities and Future Direction (35)

Munro, I.: SR Instrumentation: From Revolution to Evolution (35)

10:45 [Facility Report]

Moncton, D.: Present Status in APS (30)

Namkung, W.: Present Status in PLS (30)

Kamitsubo, H.: SPring-8 Program (30)

13:30 [Accelerator]

Kihara, M.: Development of Synchrotron Radiation Storage Ring (30)

Kulipanov, G.: Synchrotron Light Sources and Recent Development of Accelerator Technology (30)

Izawa, M.: Installation of New Damped... (15)

Lin, K.K.: A Dynamic Local Bump... (15)

15:15 [Beamline Technique]

Yamamoto, M.:Trichromatic Concept at SPring-8 RIKEN Beamline I (30)

Kvick, A.: The Material Science BL..... (15)

Kamiya, N.: Construction of Bio-Cryst... (15)

Amenitsch, H.: First Performance..... (15)

Uehara, Y.: X-ray Absorption BL..... (15)

8/5 (Tuesday)

9:00 [Optics]

Erko, *A.: Graded X-ray Optics for Synchrotron Radiation Application (30)*

Ishikawa, T.: SPring-8 Optics (30)

Abernathy, D.: The Optics of the Toroika Beamline of theESRF : From Multi-Crystal Monochromators (30)

10:45 [Optics]

Kikuta, S.: X-ray Crystal Component... (15)

Haga. T.: Soft X-ray Multilayer Beam... (15)

Anspach, J.: An Assessment of Appro... (15)

Lodha, G.S.: Characterization of Sub... (15)

Yamamoto, M.Z.: Simple Alignment Met... (15)

Khounsary, A.: Design, Analysis, Fab... (15)

13:30 [Spectroscopy]

Goulon, J.: Recent Instrumentation Developments at the ESRF in X-Ray Absorption Spectroscopy and Dichroism (30)

Rogalev, A.: XAFS and X-MCD Spec .. (20)

Stunault, A.: Polarization Analysis. ... (20)

Baudelet, F.: XMCD under High Press... (20)

15:15 [Spectroscopy]

Huang, D.J.: High - Efficiency Mott..... (20)

Oyanagi, H.: Pump and Probe X-ray ... (20)

Hagelstein, M.: A New Beamline for.... (20)

Chernov C.: A Novel Concept for ..... (20)

8/6 (Wednesday)

9:00 [Spectroscopy]

Nyholm, R.: The Design and Performance of a Scanning Photoelectron Microscope and its Applications to Studies of Surfaces (30)

Sayers, D.: In-situ Studies of Metal..... (20)

Nanba, T.: Phase Transition of CdS..... (20)

Katayama, Y.: Density Measurements... (20)

10:45 [Medical Applications]

Dix, W-R. : Coronary Angiography at DESY (30)

Takeda, T. : Medical Application of Synchrotron Radiation in Japan (30)

Umetani, K. : High Spatial Resolution... (15)

Spanne P. : A Facility for Preclinical MRT Research at the ESRF (15)

8/7 (Thursday)

9:00 [Diffraction/Scattering]

Kao, C.C.: Dichromatic Interference Effects in X-ray Resonant Magnetic Scattering (30)

Hsu, C-H.: Surface X-ray Scattering... (15)

Creagh, D.C.: Tensometry of Carbon .. (15)

Kimura, M.: In situ Observation of ..... (15)

Zheng, W.: X-Ray Diffraction Study..... (15)

10:45 [Diffraction/Scattering]

Wakabayashi, K.: High Resolution X-Ray Diffraction of Muscle Using Undulator Radiation from the TRISTAN Main Ring at KEK (30)

Nave, C.: Optimization Synchrotron ... (15)

Wang, D.W.: Improvement of Beamline... (15)

Jiang, J.H.: Four-Crystal Camera ..... (15)

Zhao, J.Y.: Synchroton Radiation ..... (15)

15:30 [Special Lecture - Fifty Years of Synchrotron Radiation]

John Blewett (U. S. A.)

Robert Madden (NIST, U.S.A.)

Kenneth C. Holmes (MPI, Germany)

Taizo Sasaki (SPring-8, Japan)

8/8 (Friday)

9:00 [Diffraction/Scattering]

Wakatsuki, S.: Quadriga Beamline, ID14, for Protein Crystallography at the ESRF (30)

Tolan, M.: X-Ray Scattering with Partial Coherent Radiation: The Exact Relationship between ``Resolution'' and ``Coherence'' (30)

Belrhali, H.: Crystallography with ..... (15)

Rosenbaum, G.: Miniaturized Kappa ..... (15)

10:45 [Spectroscopy]

Hussain, Z.: Next-Generation High-Resolution Photoelectron Spectrometers for the Study of Surfaces and Interfaces at the ALS Beamlines (30)

Qiao, S.: New Compact Mott Scattering... (20)

Xiao, Y.: The Possibility of Discri..... (20)

Okitsu, K.: X-ray Linear Birefringence... (20)

13:30 [Optics]

Yan, Y.: Application of Varied-space grating in High Performance Soft X-ray Monochromator (30)

Polack, F.: Optimization Strategies .... (15)

Follath, R.: U125 Plane Grating ..... (15)

Kamada, M.: Construction and ..... (15)
Senf, F.: A Plane Grating Mono. Circ.... (15)
15:15 [Closing Remarks]
Ruprecht Haensel (Universitat Kiel)

---------- Lecture Hall ----------

8/4 (Monday)

13:30 [Detector]
Eikenberry, E.F.: A Pixel Array Detector for Microsecond Time-resolved X-ray Diffraction (30)
Tanimori, T.: Development of Microstrip Gas Chamber as a Time-resolved Area Detector (30)
Tolochko, B.: One and Two-Coordinate Detectors in INP (30)
15:15 [Detector]
Strueder, L.: High Resolution, High Count Rate X-ray Spectroscopy with State of the Art Silicon Detectors (30)
Kishimoto, S: Avalanche Photodiodes as Fast X-ray Detectors (30)
Frank, M.: Cryogenic High Resolution... (15)
Montano, P.A.:CdZnTe Array Detectors... (15)

8/5 (Tuesday)

9:00 [Insertion Device]
Elleaume, P.: The ESRF Insertion Devices, Status and Future (30)
Bahrdt, J.: Insertion Devices for..... (15)
Nahon, L.: A Variable Polarization... (15)
Rossmanith, R.: A Superconducting.... (15)
Yamamoto, S.: Undulator Spectrum..... (15)
10:45 [Insertion Device]
Kitamura, H.: Present Status of the SPring-8 Insertion Devices (30)
Gluskin, E.: APS Insertion Devices:Recent Developments and Results (30)
Stefan, P.M.: Initial Results from ..... (15)
Bizen, T.: Design of a Local Bump..... (15)
13:30 [High Energy Diffraction/Scattering]
Schneider, J.R.: Condensed Matter Research Using High Energy Synchrotron Radiation (30)
Sakurai, Y.: High Energy Inelastic Scattering Beamline for Electron Momentum Density Study (30)
Tschentscher, T.: Experiments with Very High Energy Synchrotron Radiation (30)
15:15 [Next Generation SR Source]
Kim, K.J.: Next Generation SR Source (30)
Materlik, G.: Present Status of the TESLA-FEL Project (30)
Yamada, H.: Development of Ultra-High Intensity Far-Infrared Light Source (30)

8/6 (Wednesday)

9:00 [Time Resolved Technique]
Tadjeddine, A.: Spectroscopic Techniques Using Synchrotron and Free Electron Laser Beam (30)
Suits, A.G. : Chemical Reaction Dynamics at the Advanced Light Source (30)
Sasaki, Y.C.: Time-resolved Fluorescent X-ray Interference (30)
10:45 [Coherent Optics]
Miyahara, T.: From the First Order Coherence to the Higher Order Coherence of Synchrotron Radiation (30)
Novikov, D.: X-ray Holography with Atomic Resolution (30)
Suzuki, Y.: Characterization of wind... (15)
Zhu, P.: The Relationship between ..... (15)

8/7 (Thursday)

9:00 [Beamline Technique]
Lienert, U.: Focusing Optics for High Energy Diffraction (30)
Marcelli, A.: SINBAD, A Brilliant..... (15)
Carr, G.L.: New Infrared Beamline..... (15)
Korchuganov, V.: The Wiggler based.... (15)
Fukushima, S.: "WEBRAM", A Beamline Project on the SPring-8 by NIRIM (15)
10:45 [Imaging]
Momose, A.: Phase-contrast Tomographic Imaging Using an X-ray Interferometer (30)
Ko, C-H.: Soft X-ray Photoemission Spectromicroscopy Project at the SRRC (30)
Aoki, S.: Imaging X-ray Fluorescence... (15)
Warwick, T.: Scanning Zone-plate ..... (15)

8/8 (Friday)

9:00 [Industrial Application]
Kinoshita, H.: SR Lithography for Manufacturing Integrated Circuits beyond 100 nm (30)
Goldberg, K.: At-wavelength Interferometry for EUV Lithography (30)
Awaji, N.: High Precision X-ray..... (15)
Katoh, T.: Synchrotron Radiation..... (15)
10:45 [Microbeam]
Snigireva, I.: Coherent High Energy X-ray Optics:New Possibilities in Imaging and Microbeam Application at The ESRF (30)
Thiel, D.J.: Tapered capillary Optics... (15)
Verman, B.: A New Type of Micro-..... (15)
Koike, M.: Multilayer Zone-plate ..... (15)
Di Fonzo,S.: X-Ray Submicrobeam..... (15)
13:30 [Beam Position Monitor]
Aoyagi, H.: SR Beam Position Monitor Using a Synthetic Diamond (30)
Peatman, W.B.: Diagnostic Front End... (15)
Shu, D.: Synthetic Diamond ..... (15)
Smolyakov, N.V.: Wave-optical..... (15)
Chen, J-R.: A Synchrotron Radiation... (15)

[Comments]

* Those which are written in Italic are the invited talks.

* In the program, only the first author and the beginning of each talk are included, in order to save pages in this booklet. This is to be used for planning the travel schedule. The final program will be presented at the conference.

* The numbers in the parentheses are the time assigned for each talk. It includes five minutes discussion time.

Program - Poster Presentation

[Facility Reports]

The facility posters are invited in addition to the presentations submitted as below. These are to be displayed in the poster room with longer period of time than the regular posters. The facility reports are asked to be submitted to the other facilities by the time of conference.

Burattini, E.: DAFNE-L The New Synchrotron
Da Silva, C.: Commissioning and First....
Iwasaki, H.: Compact Superconduct(Ritsumeikan)...
Kamada, M.: Present Status of the UVSOR...
Liu, Z.: NSRL Phase II Project...
Norman, D.: Recent Developments at the ...
Nyholm, R.: Status of the MaxII Synchrotron
Sa-yakanit, V.: The Siam Photon Project
Stankevitch, V.G.: Kurchatov Synchrotron...
Taniguchi, M.: Hiroshima Synchrotron Radiation

8/4 [Monday]

[Accelerators]

Ando, A.: Isochronous Storage Ring of .....
Dai, J.: Effect of the Temperature of ....
Emura, K.: Operational Performance of ...
Feng, B.: Design Study of Free Electron..
Haga, K.: New Beam Position Monitor...
Hara, M.: RF System of the SPring-8.....
Honda, T.: Single-pas BPM System of.....
Huang, J-Y.: The Spatio-temporal.....
Iwasaki, H.: Compact Superconducting (X-ray)...
Kanaya, N.: Operational Evaluation.....
Katoh, M.: Design of a Synchrotron.....
Kengkan, P.: Magnet Lattice for the.....
Klein, R.: Measurement of the Electron..
Kobayashi, M.: Reconstruction for the....
Kobayashi, Y.: Beam Diagnosis Using.....
Kozu, H.: A Crowbarless Power Supply
Mitsuhashi, T.: Activities of Optical....
Mizuno, A.: New Alignment Method....
Nikolai, M.: Joint Russian-Japan Slow Positron
Sakanaka, S.: Construction of 714-MHz...
Suzuki, H.: Beam Commissioning....
Suzuki, S.: Update Plan of SPring-8....
Yamada, K.: Suppressing the X-Y.....
Yanagida, K.: Study for SPring-8 LINAC...
Yoshida, K.: Compact Synchrotron...
Yoshikawa, H.: Present Status of SPring-8
Zhang, L.: Vibration Damping Study...

[Insertion Devices]

Chang, C.H.: Results of Magnetic Field...
Chang, L-H.: Considerations on the.....
Chubar, O.: A 3D Magnetostatics.....
Clarke, J.: Design of a 2T Multipole.....
Fedurin, M.: Magnetic Measurement.....
Hara, T.: In-vacuum Undulators of SPring
Hara, T.: SPring-8 Twin Helical Undulator
Hara, T.: SPring-8 In-vacuum Undulator...
Hiraya, A.: Undulators at HISOR, Comp..
Hsu, I.: Studies of the Higher Harmonics...
Hwang, C-S.: The Advanced Field.....
Kimura, S.: Performance of a Helical...
Klein, R.: The PTB Electromagnetic.....
Lin, M-C.: Optimization of the Undulator....
Marechal, X-M.: Development of an .....
Marechal, X-M.: Design of an In-vacuum...
Marechal, X-M.: Optimization of an In-.....
Marks, S.: Magnetic Field Error Control....
Ryynanen, M.: A Magnet Model for Hybrid.
Shkaruba, V.: Superconductivity 7 Tesla...
Sugiyama, S.: Operation of a Super....
Tanabe, T.: Development of an In-vacuum.
Tanabe, T.: Rotating Coil Magnetic....
Tanaka, T.: In-vacuum Figure-8 Undulator...
Tanaka, T.: Status of the Insertion Device.
Tanaka, T.: Status of the In-vacuum ...
Takayama, Y.: Measurement of Coherence
Tolochko, B.: Proposal of the Long.....
Wang, C.: Spectral Properties of the .....
Xie, Y.: A Simple Method for Calculating....

[SR Beam Position Monitor]

Hahn, U.: Beamposition Monitors in the ...
Kudo, T.: Electronics for SPring-8 X-ray...

Rosenbaum, G.: High Heat Load Fixed.....
Shiwaku, H.: Development of X-ray Beam...
Shu, D.: Smart X-ray Beam Position.....
Xie, Y.: A Beam Position Monitor and.....

[Beamlines]
Asano, Y.: Shielding Design Calculation..
Chung, Y.: A Normal Incidence Monochromator
Cui, M.: Construction of a High Precision
Garrett, R.F.: The Australian Synchrotron
Heald, S.: Design and Initial Operation...
Hsiung, G-Y.: The X-ray Lithography...
Irving, T.: BIOCAT:A New Facility for...
Ivanov, S.N.: Station for Solid VUV-.....
Kaneyoshi, T.: Material Structural Analysis
Kim, B.: Varied Line Spacing Beamline...
Lee, C-H.: The Commissioning of a Low...
Martynenko, V.V.: First Beamlines of ...
McSweeney, S.: Design of the End-station...
Mochizuki, T.: Design of Compact Absorbers...
Montano, P.A.: Undulator Sector 12 at the..
Nakatani, T.: Construction of JAERI Soft...
Namba, H.: A Compact VUV Beamline....
Noda, Y.: 7-Axes-Diffractometer for...
Oh, S-J.: Future Beamlines of Pohang Light..
Oura, M.: Front End XY-slits Assembly..
Oura, M.: Allowable Aperture Size of the...
Quinn, F.: Compact Magneto-optical...
Quintana, J.: SCIPE:A Simple Control...
Rosenbaum, G.: The Structural Biology...
Sakamoto, H.: Development of a Three-...
Sakurai, Y.: Present Status and Performance
Sheng, L.: The New Beamline with an Undulator
Stephenson, P.: Experiment Control Soft...
Takagi, Y.: A New Transmission-type X-ray
Takagi, Y.: The Generalized Grazing Angle..
Takahashi, S.: Design of a Pre Slit for...
Tang, E.: New Wiggler Beamlines at BSRF
Yoda, Y.: Nuclear Resonant Scattering..

8/5 (Tuesday)
[Optics]
Alp, E.: High Energy Resolution Optics.....
Amenitsch, H.: Time-resolved X-ray .....
Bender, J.: Manufacturing Advances in .....
Bernstorff, S.: The High Throughput Double
Castro, G.R.: Spanish X-ray Beam Line...
Chung, S-C.: A High Performance Wide....
Creagh, D.:An Eight Position Capillary...
Cui, M.: The Study of Soft X-ray Multilayer
Cusatis, C.: Versatile X-ray Diffraction ...
Dann, T-E.: A High Performance Double.....
Fukui, K.: Reconstruction of BL7B for.....
Goto, S.: Standard Trandport Channels...
Heald, S.: Microfocusing Optics using .....
Hrdy, J.: Rotated-inclined Double-crystal
Hrdy, J.: Observation of Horizontal Focus
Hrdy, J.: Finite Element Study of Toothed..
Hrdy, J.: X-ray Inclined Lens...
Hsieh, T-F.: The Design of a High Flux and...
Hu, W.: Transmission-multilayer Polarizer...
Hwang, C-S.: The Commissioning of a Low...
Ito, K.: High-flux and High-resolution....
Jensen, B.N.: Design and Performance of...
Jiang, X.: Improvement and Status of the..
Joensen, K.: The 16-53 keV General.....
Johansson, L.: Design of a High-resolution
Kashihara, Y.: Position of Exit X-ray from..
Kawata, H.: A New Water-cooled Doubly...
Kikegawa, T.: A New 2-Dimensionally...
Kinoshita, T.: Performance of YB66 Soft..
Kitajima, Y.: A Soft X-ray (80-1500eV)...
Krumrey, M.: Components for an X-ray...
Kuroda, M.: Fabrication of Silicon Crystal
Kuzay, T.M.: Heat Transfer Studies with...
Maeyama, S.: Recent Performance of the..
Mattenet, M.: The Multi-crystal Monochromator
Mitchell, E.P.: Diamond Optics on the ESRF
Mythen, C.: Design of a VUV Spherical...
Nakayama, K.: Beamline 13A-Effective....
Nabdedkar, R.V.: Design and Development
Nave, C.: Diamond-A Proposed New UK.....
Nii, H.: Fabrication of MO/AL multilayer....
Park, Y.: (Ta/Si) Multilayers as a...
Quinn, F.M.: Higher Order Suppression.....
Roper, M.D.: Recent Performance of the....
Sawhney, K.J.S.: Use of Spherical Gratings
Schulte-Schrepping, H.: Adaptive High....
Sekitani, T.:Three Spherical Grating....
Senf, F.: A Plane Grating Monochromator...
Shard, A.: A Piezoelectric Drive for Fine ..
Shigemasa, E.: A High-resolution Spherical...
Shin, H-J.: Optical Design of U7 Undulator...
Shinohara, A.H.: Epitaxial Grown Diamond...
Shu, D.: Optical Design for Laser Doppler..

[Imaging]
Fujii, Y.: A Compact UHV X-ray.....

Gang, L.: Micropipette Scanning Near-.....
Hayakawa, S.: X-ray Fluorescence (XRF)
Hirai, A.: Imaging Soft X-ray Microscope...
Huang, Y.: Study of Cell Spectroscopy...
Ito, A.: X-ray Contact Microscopy System...
Jark, W.H.: Phase Contrast Microscopy...
Kimura, S.: High-resolution X-ray.....
Kiyokura, T.: Submicron-area High-Energy...
Renner, T.: High Throughput Bending....
Schulze, C.: Rayleigh-to-Compton .....
Smith, A.D.: Developemnt of X-ray .....
Wang, G.: The Whiti Radiation Dynamic...
Wang, G.: A High Temperature Chamber...
Watanabe, N.: 3D Tomography Using Soft...
Watanabe, T.: Pattern Replication of Fresnel...
Yamada, T.: Microscopic Imaging of Circular...
Yamamoto, A.: Observation of Intracellular...
Zhu, P.: Two New Geometries for X-ray...

[Medical Applications]
Hyodo, K.: Development of a Two-dimensional...
Maxim, K.: The "Bronhography" Studies...
Oku, Y.: Simulation of Coronary Images...
Takeda, T.: Phase-contrast X-ray CT...
Taniguchi, M.: Effect of Magnesium-ATP...
Uyama, C.: A Beamline for Medical .....

8/6 (Wednesday)

[Detectors]
Cho, T.: The Development and Character...
Christophe, G.: Development of A32...
Cui, M.:A new Ion Chamber with.....
Dent, A.J.: Detector Development for...
Dent, A.J.: A New Digital Readout System..
Derbyshire, G.: Counting Conversion ...
Derbyshire, G.: Flexible Data Acquisition..
Edilson, T.: Recent Results of a New ....
Edilson, T.: A Multiwire Proportional .....
Farrow, R.: The Specification of High ....
Farrow, R.: Initial Data from the 30.....
Furenlid, L.: The NSLA 120-Element Si...
Gaponov, Y.A.: Object Library for New...
Goto, S.: Detailed Simulation of the.....
Kishimoto, S.: Pulse-height Measurement.
Kohagura, J.: New Methods for Semicond..
Manning, P.: The Development of High...
Mikhailin, V.: Characterization of.....
Nielsen, K.W.: An X-ray Video Camera...
Nikolenko, A.: Preliminary Results of ....
Nomura, M.: Deadtime Correction of a...
Pindyurin, V.F.:Improvement of X-ray.....
Pindyurin, V.: Fabrication and Testing of..
Saito, N.: Absolute Soft X-ray Measure..
Scholze, F.: High Accuracy Detector.....
Senf, F.: A New UHV-angle Encoder...
Suzuki, M.: A Multiple CCD X-ray Detector
Takagi, Y.: A New Image Plate Reader...
Takagi, Y.: Direct Observation of Diffraction
Zhang, K.: Energy-Resolving X-Ray.....

[Diffraction/Scattering]
Awaji, N.: Grazing Incidense X-ray .....
Azuma, Y.: Angle-resolved ultraviolet .....
Azuma, Y.: Angle-resolved UPS.....
Belyakov, V.: On Influence of Interface...
Beryakov, V.: Forward Inelestic Coherent..
Belyakov, V.: Mossbauer Surface Guided...
Calabrese, J.C.: A Potable Integrated...
Cernik, R.: New High and Low Temperature...
Collins, S.: Station 16.3:A High-resolution...
Cookson, D.J.: Multiple-wavelength Powder...
Deacon, A.: Protein Crystallography ....
Duke, E.: Beamline 14:A new Multipole...
Emoto, T.: Observation of Strain Field...
Foran, G.: Imaging Plate Camera and...
Gopanov, Y.A.: Structure Changes in the...
Hasnain, S.: SR:A Unique Probe for Metallo...
Hirano, K.: Investigation of the Phase Shift...
Hirano, T.: Layered Structure Analysis...
Horii, Y.: New Diffractometer for Thin Film...
Imafuku, M.: Development of In situ X-ray...
Ishimatsu, N.: Resonant X-ray Scattering..
Itou, M.: Development of (X,EX) .....
Kobayashi, K.: Site Specification on ...
Li, G.: X-ray-Reflectivity and Scanning...
Moriyama, H.: Application of Fine Thread..
Nandedkar, R.V.: Thermal Stability of MO..
Nishibori, E.: Structural Studies of ...
Noma, T.: Micro X-ray Diffraction ...
Oomi, G.:High Pressure System for...
Sakai, N.: A 3-Tesla Superconducting...
Sakata, O.: Ultrahigh Vacuum Facility for....
Sakurai, K.: Grazing Incidence X-ray...
Sanyal, M.K.: Extended Reflectivity in....
Sasaki, S.: Valence-Difference Contrast...
Schulze, C.: Micro-focusing of Hard X-ray.
Sugioka, N.: DAFS Measurements by the ..
Sugiyama, M.: An Ultrahigh-vacuum .....

Tabuchi, M.: Observation of Composition..
Thiel, D.: A New Macromolecular .....
Tolochko, B.: Proposal of the Diffraction....
Tschentcscher, T.: High Energy Magnetic.
Tweet, D.: Development of a Compact...
Wakatsuki, S.: A Large Weissenberg....
Waseda, Y.: Partial Structural Functions..
Yamaguchi, Y.: Correlated Interface Rough...
Yaoita, K.: Multichannel Collimator: an ..
Yasuami, S.: X-ray Scattering Study of the...
Yoda, Y.: X-ray Paramagnetic Scattering...
Zhang, X.: A Precision Goniometer Equipped..
Zhao, J-Y.: A high temperature .....

8/7 (Thursday)

[Optics]

Siddons, D.P.: A Microcontroller-Based...
Signarato, R.: Multi-segmented Piezo...
Srajer, G.: High Energy Helicity Switching..
Takenaka, H.: High Heat Resistant Mo/Si..
Takeshita, K.: Renewal of the MPW Beam..
Takiya, T.: X-ray Characterization of a.....
Tolentino, H.: Sagital Focusing Crystal....
Tonnessen, T.: Design, Fabrication, and....
Tseng, P-C.: The Design of a High Performence
Uruga, T.: X-ray Mirror System for SPring
Wang, D.J.: A Compact Mirror Manipulator
Wang, D.J.: A Mirror Manipulator for the
Watanabe, M.: Performance of the Soft...
Watanabe, N.: New Monochromator for ...
Watanabe, T.: Calculation for Photo-ion...
Yamaoka, H.: Design of Bent Crystal....
Yamaoka, H.: Focusing and Reflection...
Yamashita, K.: Fabrication and Character.
Yoshida, H.: Design of 18M Spherical ...
Zama, T.: Beamline for Calibration of ...
Zhang, L.: Design Optimization of Flexure.

[Spectroscopy]

Amano, H.: Total Reflection X-ray .....
Cheng, B-M.: Photoionization Atudies of.....
Collins, S.: Polaroid H-Sheet as a Polarizer
Cross, J.O.: Sample-position Feedback...
Deshpande, S.D.: An Ultrahigh Resolution...
Dobson, B.: An Optimize Facility for Ultra...
Fujikawa, C.: Absolute Calibration of Soft...
Hagelstein, M.: Energy-dispersive XAFS..
Harada, Y.: Spectrometer for Polarized..
Hayakawa, S.: Conversion Electron Yield...
Hayashi, H.: Inelastic X-ray Scattering..
Hiraya, A.: Variable Angle TOF Mass .....
Hu, T.D.: A Method of On-line Displaying...
Iketaki, Y.: Study of the Optical Properties...
Imamura, M.: Improvement of the Beamline...
Iwai, H.: High Energy Resolution Electron..
Kamada, M.: Combined System of SR and...
Kihara, N.: Design and Metrology Results...
Kihara, N.: Thermal and Deformation ....
Koide, T.: A Compact Molecular-beam..
Kotsugi, M.: Symmetry of the Fermi...
Koyano, I.: Soft X-ray Photochemistry..
Lee, J.M.: PLS 3C1 XAFS Beamline in...
Maeda, F.: Realtime Analysis for MBE...
Mashima, K.: Design of a Bent Mirror...
Mashima, K.: Comparison of a Bent...
Mekaru, H.: Multi-layered-mirror....
Mizutani, M.: Laser induced Fluorescence...
Murata, T.: X-ray Absorption of the...
Nakai, I.: In situ Transmission XAFS...
Nakanishi, S.: Application of SR to...
Neumann, C.: X-ray Magnetic Circular...
Nishihata, Y.: XAFS in the High Energy...
Okitsu, K.: X-ray Triple Refraction and.....
Oura, M.: Experimental Apparatus for...
Saitoh, Y.: Twin Helical Undulator...
Sakurai, M.: Improvement of Far-infrared...
Sasaki, T.A.: U 3D Resonant Photo....
Sato, H.: Ultraviolet Emission Spectrometer.....
Smith, A.D.: The Use of YB66 as.....
Suortti, P.: Scanning X-ray Spectrometer...
Tabuchi, M.: Local Structure Study ...
Tezuka, Y.: Soft X-ray Resonant.....
Tolentino, H.: The Soft X-ray Spectroscopy...
Tolentino, H.: The XAFS Beamline of the LNLS...
Tolochko, B.: Proposal for XAFS Regist.....
Urisu, T.: IRRAS Systems for In situ.....
Yamamoto, T.: MNL Resonant X-ray ....
Yoshikawa, M.: Calibration of Space-....
Zheng, S.: Surface Analysis by Total-...

[Industrial Application]

Akazawa, H.: Beamline for Vacuum-ultra...
Kawasaki, K.: Rapid Projection of Crystal..
Mancini, D.: X-ray Lithography Beamline...
Moser, H.O.: ANKA, A Customer-oriented...
Saile, V.: New Development at the Center..
Takahashi, J.: Beamline for Photochemical
Tani, K.: XAFS Spectrum by Means of...

Urakami, Y.: The Development of the Appl.
Utsumi, Y.: Synchrotron Radiation-induced
Watanabe, T.: Design of Beamline Optics...
Yasuoka, N.: Unusual Ligand Structure...
Yiwata, N.: X-ray Absorption Fine Struc...

Instruction for Presentation / Papers

Official Conference Language : English
Display : OHP (Overhead Projectors)
Poster Boards (180cm x 90cm)
(If you plan to use equipment other than OHP or poster board, please consult with the Conference Office regarding their availability.)

● Oral Presentation

The invited talks are for 30 minutes including 5 minutes discussion.
The regular orals are 15/20 minutes including discussion.
The oral presentations are given either at the Main Hall or Lecture Hall of Himeji Citizens Hall. If you need any assistance in your presentation, such as OHP or slide operator, please notify the secretariat immediately.

● Poster Presentation

The poster boards are 180 cm high by 90 cm wide.
The posters should have a clear expression of
- title, authors with affiliation at the top-left corner
- introduction
- description of experiment / apparatus / others
- results
- discussion
- conclusion

The poster sessions will take place in the poster rooms in the Himeji Citizens Hall. Papers which arrive after the deadline for abstracts will be accepted as "post-deadline", for presentation at the poster sessions. The facility posters are invited in addition to those submitted. These posters will be displayed for longer period during the conference than the regular posters.

● Industrial Exhibition

The industrial exhibition will be in the display room of the Himeji Citizens Hall.

● Papers of the Proceedings

SRI'97 Proceedings will appear in the ***Journal of Synchrotron Radiation.*** Papers must be prepared according to the instructions attached to this booklet, and have to be brought to the Conference, and handed in the Conference desk. The publication of the Proceedings will be on May 1, 1998. The papers will be reviewed according to the standard procedures of the Journal.

Registration

Individuals planning to attend the conference are urged to register in advance. The registration form must be received **no later than June 30, 1997.** After June 30, no registration will be accepted by fax or mail. On-site registration is welcome. The registration form is enclosed in this booklet. The registration form must be forwarded by fax or mail to :

SRI'97 Conference Sub-Office
c/o Bilingual Group Ltd., Conference Division
4-7-22-2F Kudan-Minami, Chiyoda-ku, Tokyo 102, Japan
FAX : +81-3-3263-1264 (In Japan : 03-3263-1264)

● Conference Registration Fee

Participant	35,000 yen
Student	25,000 yen
Accompanying Person	12,000 yen
Banquet	5,000 yen

● Means of Payment

All payments must be made in cash **(Japanese yen)** only. Personal checks and credit cards are not accepted. Payment for advance registration must be made by bank transfer to the following account

Payee : SRI 97
Ordinary Account : Account No. 7879777
The Sakura Bank Ltd., Kobe Main Office
56 Naniwa-machi, Chuo-ku, Kobe, Hyogo 650, Japan

* Participants are responsible for paying any bank handling charges.

* Please indicate your name (not your company name) for every payment.

* Payment should be made individually and not with your company / university colleagues to avoid any possible confusion.

● Registration Fee includes :

* Participant :
  - Admission to Conference
  - Conference documentation
  - Coffee break
  - Social Programs
  - SPring-8 Site Tour
  - Welcome Reception
  - Proceedings

* Accompanying Person:
  - Welcome Reception
  - Admission to Special Lectures
  - SPring-8 Site Tour
  - Social Programs

Lunch, dinner, and the banquet are not included in the registration fee.
Some of the "Social Program" is charged for, please consult with the JTB desk.

● On-site Registration :

The registration desk at the conference will be open from 13:00-18:30 August 3rd (Sunday) at the Himeji Chamber of Commerce. On the other days of the conference, the registration desk and the secretariat will be open from 9:00 to 17:00. On arrival at the Conference site, all participants must enroll personally at the registration desk. Participants are also requested to enroll accompanying persons. All registered participants will receive a conference kit containing the final program, abstracts, identification badge and invitation for social events etc.

● Confirmation and Receipt

The secretariat will send a confirmation receipt with the registration form to each registered participant and accompanying person whose payment has been received. This confirmation letter must be presented at the conference registration desk upon arrival. If you have any outstanding balance, please pay / receive the difference at the registration desk. It is recommended that you will bring the copy of your registration form and bank remittance to avoid any possible troubles.

● Cancellation and Refund Policy

Refunds for cancellation of conference registration must be notified by July 15 in writing (letter or fax) to the conference secretariat. An administration charge of 5,000 yen will be deduced from the registration fee.

● Financial Support to Young Scientists

The Organizing Committee will provide financial support to young scientists under the following conditions ;

1. Candidates are PhD students/postdoctoral fellows who submit papers to the conference, main meeting.
2. The support to be provided will be the waiver of the registration fee, free accommodation in the SPring-8 Guest House (Harima), and free transportation between SPring-8 (Harima) and the conference site.

The Organizing Committee has selected several young scientists to be supported, and they will be notified separetely by the Committee in May. Application should be **completed by June 30, 1997.**

Social Program

The following programs have been planned by the Executive Committee:

1. SPring-8 site tour (buses)
2. Sight-seeing in Himeji, Himeji Castle including museum
3. Sight-seeing in Kyoto (90 min by local JR train)
4. Sight-seeing in an old city of Kurashiki (60 min by JR train)
5. Sight-seeing in Hiroshima (90 min by Shinkansen)
6. Tour to Bizenyaki pottery center (60 min by JR train)

* No. 3. - 6. will be charged tours.
* Himeji City is planning to provide free tickets for No. 2.

The detailed information and time schedule of JR train can be obtained from the JTB (Official Travel Agent of the conference) desk. Registration for SPring-8 site tour will have to be made on the first day, 4th August, of the conference at the information desk.

SRI' 97 Registration Form

Please complete (type or print) and return by mail or fax to:

SRI '97 SECRETARIAT Sub-Office
C/O Bilingual Group Ltd. Conference Division
4-7-22-2F Kudan-Minami, Chiyoda-ku, Tokyo 102 Japan
FAX:81-3-3263-1264

☐Prof. ☐Dr. ☐Mr. ☐Ms. (Last Name)		(First Name)	(M.I.)
Affiliation(University/Company)		(Nationality)	
(Address)		(Zip Code)	(Country)
(Phone)	(Fax)	(E-Mail)	
Name of the Accompanying Person	(Last Name)	(First Name)	

SRI '97 Conference Registration Fee

Please check

Late Registration made after March 31, 1997	¥35,000	☐
Late Student Registration made after March 31, 1997	¥25,000	☐
Late Registration - Accompanying person	¥12,000	☐
Banquet	¥5,000	☐
TOTAL AMOUNT	¥	

☐REMITTANCE

The registration fee should be paid in Japanese yen through bank transfer to the following account.

The SAKURA BANK Ltd., Kobe Main Office
56 Naniwa-machi, Chuo-ku, Kobe, Hyogo 650, Japan
Ordinary Deposit : Account No. 7879777
Account Title : SRI 97

*We would appreciate your kindly sending us a copy of the bank's receipt for remittance to avoid the potential problems.

I have sent the fee by bank transfer through _____
(Name and address of your bank) by the name of _____(name of remitter)
on _____(date of remittance.)

Date: _____ Signature : _____

NOTE: Please remit the payment individually and not with your collegues.
Please indicate your name in remitting your payment.
We only accept cash at on-site registration.
No traveler's checks and personal checks are accepted. All payment must be in Japanese yen.

General Information

● Conference Venue

The conference will be held in the Himeji Citizens Hall and the Chamber of Commerce Building, which are located at the heart of Himeji City, Hyogo Prefecture. A detailed map of Himeji City is enclosed. Himeji City is located about 90 km west of Osaka and is known for Himeji Castle which was designated as a world heritage site in 1994. The Science Garden City, where SPring-8 facility is located, is about 30 km northwest of Himeji City.

● How to reach Himeji City

Entry into Japan is usually via Kansai International Airport (Osaka) or New Tokyo International Airport (Narita). In either case, you can reach Himeji City by taking Shinkansen.

● Climate and Clothing

The weather of Himeji City and SPring-8 site is sunny in August, with temperatures of about 35℃ in the afternoon and 25℃ at night. Participants are advised to bring waterproof clothing.

● Passports and Visas

All foreign visitors entering Japan must possess a valid passport. Participants from countries requiring visas should apply at the Japanese Embassy or Consular Office in their respective countries. For details, please consult with your travel agent or the nearest Japanese Embassy/Consulate immediately.

● Customs

Japanese customs is fairly lenient and allows bringing in items necessary for personal use. Duty-free imports are: 3 bottles of liquor; 400 cigarettes or 100 cigars; 2 ounces of perfume; gifts and souvenirs other than the above whose total market value does not exceed 200,000 yen. Strictly prohibited are firearms and other types of weapons, and narcotics.

● Foreign Exchange and Traveler's Checks

It is recommended that participants purchase traveler's checks in Japanese Yen prior to their departure. The secretariat will accept only Japanese yen in CASH on site. Foreign currency can be exchanged at most banks, hotel and at the international airports.

● Currency Exchange

There are several banks around the conference site where foreign currency exchange is available by presenting your passport. Japanese banks are open from 9:00 to 15:00. No monetary exchange services are available at the conference site. You can find banks in Himeji on the enclosed map. Banks are closed Saturdays and Sundays.

● Electrical Appliances

Japan operates on 100-110 volts for electrical appliances. The frequency is 60 Hz in western Japan, including Himeji.

● Modular Jack

You may connect your portable terminals, including PCs and fax machines, to the digital public pay phone and send / receive data to / from terminals on the other end, including computers. There are jacks available for both analog and digital terminals. You may use both voice service and data service at the same time with certain types of digital pay phone.

● Shopping

Most department stores are open from 10:00 to 19:00. They are open Sundays.

● Sales Tax

Sales tax is 5% in Japan.

● Tipping

In Japan, tips are not necessary anywhere, even at hotels and restaurants.

● Insurance

The organizer can not accept responsibility for accidents which might occur. Participants are encouraged to obtain travel insurance prior to departure.

Travel and Hotel Information

● Official Travel Agent

Japan Travel Bureau, Inc.(JTB) has been appointed as the official travel agent for the conference.

Japan Travel Bureau, Inc.
International Travel Division, Convention Center (CD100720-083)
5-5-2, Kiba, Koto-ku, Tokyo 135, Japan
Fax : +81-3-5620-9499 Tel : +81-3-5620-9429

● Hotel Accommodation

JTB has insured hotels in Himeji during the conference period. Reservations will be made on a first-come, first-served basis. Please indicate your order of preference in the application form. If your desired hotel is fully booked, we will reserve your second choice or a hotel in the same grade.

Name of Hotel	Single (yen)	Twin (yen)	Address/Tel(T)/Fax(F)
Hotel Sun Garden Himeji	8,910	15,840	100 Minami-ekimae-cho, Himeji 670 (T)+81-792-22-2231 (F)+81-792-24-3731
Hotel Washington Hotel Plaza	7,500	13,500	98 Higashi-ekimae-cho, Himeji 670 (T)+81-792-25-0111 (F)+81-792-25-0133
Himeji Castle Hotel	7,500	16,000	210 Hojo, Himeji 670 (T)+81-792-84-3311 (F)+81-792-84-3729
Hotel Sunroute Himeji	7,800	13,600	195-0 Ekimae-cho, Himeji 670 (T)+81-792-85-0811 (F)+81-792-84-1025
Himeji Green Hotel	6,500	.....	100 Sakamoto-cho, Himeji 670 (T)+81-792-89-0088 (F)+81-792-25-1455
Hotel Okuuchi	6,000	12,000	3-56 Higashi-nobusue, Himeji 670 (T)+81-792-22-8000 (F)+81-792-85-0306

Note: 1) If the room charge is under 15,000 yen, 5% sales tax will be charged. But if the room charge is over 15,000 yen, a 5% sales tax and an additional 3% local consumption tax will be charged.
2) The room charge does not include any meals.

● SPring-8 Guest House Accommodation

The Guest House of the SPring-8 facility in Harima Science Garden City, 35 km northwest of Himeji City will also be available at low cost from August 3rd to August 9th. Reservation will be made on a first-come, first-served basis.

Name of Accommodation	Room Charge (yen) Single	Address/Tel(T)
SPring-8 Guest House	3,000	1503-1 Kanaji, Kamigori-cho, Ako-gun, Hyogo 678-12 (T)+81-7915-8-0950

1) There are no restaurants and shops near the Guest House. It is recommended to have meals at restaurants or shops near conference site, Himeji Citizens Hall.
2) Commuter buses will be operated in the mornings and after afternoon sessions/banquet between the guest house and Himeji Citizens Hall. (It is inconvenient for overseas participants to reach individually.) It takes about one hour to get to the conference venue from the Guest House by commuter bus. The fee is included in the room charge.
3) Those who apply for a room at the Guest House must register on August 3rd at the Himeji Chamber of Commerce. The room key and commuter bus tickets will be handed over on-site.
4) Full payment should be made no later than June 15, 1997.

● Application and Payment for Hotels

Participants wishing to reserve hotel accommodations or SPring-8 Guest House must complete the application form and return it by mail or fax to JTB no later than June 15, 1997. Applications must be accompanied by a remittance covering a hotel deposit (one night's room charge) or full payment of SPring-8 Guest House. (All hotel expenses deducted from the deposit must be settled when checking out.) No reservation will be confirmed in the absence of this payment. Personal checks will not be honored. Payment by certain credit cards (listed below) is acceptable. All payments must be in Japanese yen. The hotel deposit will be credited to your bill when checking out.

Payment must be in the form of :

- The following credit cards are acceptable:
  1. Master Card 2.Diners Club 3.Visa Card 4.AMEX
- A bank transfer to the Japan Travel Bureau, Inc.(Message: CD 100720-083) account at the Bank of Tokyo Mitsubishi, Shin-Marunouchi Branch 1-4-2 Marunouchi, Chiyoda-ku, Tokyo 100, Japan (Account number : 1025740)
- A bank draft payable to the order of the Japan Travel Bureau, Inc.

● Cancellation

In the event of cancellation, written notification must be sent to JTB. The following cancellation fees will be deducted before refunding. If notice is received:

[Hotels]

Up to 9 days before the first night of stay .....2,000 yen

2 to 8 days before ..... 20% of daily room charge.(minimum 2,000 yen)

Less than 2 days before, or no notice given ..... 100% of daily room charge

[SPring-8 Guest House]

After the application.....No refund

The 6th International Conference on Synchrotron Radiation Instrumentation

APPLICATION FORM FOR HOTEL ACCOMMODATION

Please complete and return this form by fax or mail to:

Japan Travel Bureau, Inc.
International Travel Division, Convention Center (CD100720-083)
5-5-2, Kiba, Koto-ku, Tokyo 135, Japan
Fax : +81-3-5620-9499 Tel : +81-3-5620-9429

(Please type or print in block letters and check appropriate boxes)

Full Name : ☐Prof. ☐Dr. ☐Mr. ☐Ms.

Family Name _____ Given Name _____

Organization: _____

Full Address : ☐Office ☐Home _____

_____

Postal code: _____ Country: _____

Phone: _____ Facsimile: _____

Name of Accompanying person(s), if any : ☐Mr. ☐Ms.

Family Name _____ Given Name _____

Arrival Schedule: Arrival at _____ (Airport) on _____ (date)by _____ (flight no.)

Hotel Accommodation

Hotel Name	Room Type	Period of Stay (Date)	Amount of Deposit
1st choice _____ 2nd choice_____	☐Single ☐Twin	Check-in_____ Check-out _____ Total _____nights	_____ yen (one night room charge) (1)

SPring-8 Guest House

Name of Accomodation	Room Type	Period of Stay (Date)	Full Payment
SPring-8 Guest House	Single only	Check-in_____ Check-out _____ Total _____nights	3,000 yen x ___nights = _____yen (2)

REMITTANCE Grand Total: (1)or (2) =_____yen

☐Credit card: ☐Master Card ☐Diners Club ☐Visa ☐AMEX

Card Number : _____

Name of Card Holder : _____ Expiration Date : _____

Authorized Signature:_____

☐Bank Transfer

I have remitted the above sum of total on_____(date) by the name of (name of remitter) through _____ (name of Bank) to:

Bank of Tokyo Mitsubishi, Shin-Marunouchi Branch (Account number :1025740)
1-4-2 Marunouchi, Chiyoda-ku, Tokyo 100, Japan
Account Name: Japan Travel Bureau, Inc.(Message: CD100720-083)

* We should appreciate your sending us a copy of the bank receipt for your remittance to avoid the possible confusion)

☐I have enclosed a bank check payable to the order to the Japan Travel Bureau, Inc.

Date _____Signature _____

(This application will become valid upon receipt for confirmation from JTB)

Satellite Meetings and Others

Satellite meetings will be organized before and after the conference. The followings are the satellite meetings in addition to meetings that will be held separately.

The meetings are :

■ Satellite Meeting on Crystallographic Applications of SR

Co-Chair : T. Matsushita (KEK) and Y. Amemiya (Univ. of Tokyo) Photon Factory, KEK, Tsukuba, Japan
August 1-2
Contact : Y. Amemiya (Univ. of Tokyo)
FAX: +81-3-5800-6821
E-mail: amemiya@kohsai.t.u-tokyo.ac.jp

- This satellite meeting will cover a broad range of instrumentation and research application related to the use of synchrotron radiation in crystallography. Particular attention will focus on time-resolved X-ray experiments.

■ International Workshop to Study the Function of Small Storage Rings and Free-Electron Lasers of the Future

Co-chair : Hironari Yamada(Ritsumeikan Univ.)
Tetsuo Yamazaki(ETL)
Hiroyuki Hama(UVSOR, IMS)
Institute for Molecular Science, Okazaki, Japan
August 8-10
Contact : Hiroyuki Hama, Workshop secretary
FAX: +81-564-54-7079
E-mail: hama@ims.ac.jp

- The workshop will focus on a study of future prospects of relatively small synchrotron light sources. Small rings may have great advantages and potentials when those are equipped with additional functions such as micro bunches, free electron lasers and hard X-ray generation.

■ Compact Synchrotron Light Sources in the New Age

Organizer: Hiroshi Iwasaki(Ritsumeikan Univ.)
Ritsumeikan University, Kusatsu, Shiga, Japan
August 2
Contact : Hiroyuki Hama
FAX:+81-775-61-2663
E-mail: iwasakih@bkc.ritsumei.ac.jp

- The meeting will discuss the role of storage rings with a relatively low beam energy or compact storage rings in the new age of synchrotron radiation, by reviewing recent activities and presenting perspectives.

■ The 1997 Haga International Workshop on Medical Applications using Synchrotron Radiation

Organizer : Junichi Chikawa (CAST, Hyogo)
House of Takasago, Haga town, Shiso-gun, Hyogo, Japan
August 9-10
Contact any inquiries :
E-mail: yamrad@icluna.kobe-u.ac.jp

- The workshop should comprise three parts: (1)three or more overviews, one from the expert, one from Japan, one from a medical doctor and more if necessary: (2) workshops in parallel, if necessary, such as x-ray optics, detectors and various applications; (3) discussions, summaries and reports.

The other meetings will also be held as follows. Details can be obtained through the contact persons for each meeting.

■ XEL'97(1997 International Workshop on X-ray and Extreme Ultraviolet Lithography)

Contact person : Ms. Y. Inami
Yokohama, Japan (July 13-15, 1997)
Fax:+81-3-3238-5388
E-mail :KYK00042@niftyserve.or.jp

-This workshop has been held every two years to review the progress of X-ray proximity and EUV lithography technologies.

■ The 3rd Asian Forum on Synchrotron Radiation

Organizer : S. Mizuki (SPring-8)
SPring-8 Site, Kamigori, Ako-gun, Hyogo, Japan
August
Contact person : S. Mizuki
Fax:+81-7915-8-0830
E-mail :mizuki@spring8.or.jp

-The main aim of this forum is to promote the information exchange of synchrotron radiation researchers among Asian synchrotron radiation facilities. It will make particular emphasis upon seeking future opportunities for cross-fertilization programs among these facilities.

■ The SPring-8 International Workshop on "30-m Long Straight Sections of Storage Ring"

Contact person : Hideo Kitamura
Kobe, Japan
August 9
Fax:+81-7915-8-0830
E-mail: kitamura@spring8.or.jp

-Following the International Workshop on 30-m Long Straight Sections, last April, second workshop will be held on the present status of storage ring at the SPring-8 and its utilization of long straight sections and long distance beamline.

Notes for Authors
Proceedings of the 6th International Conference on Synchrotron Radiation Instrumentation

1. Submission

Authors should submit **three copies** of the manuscript, accompanied by a signed Transfer of Copyright Agreement form. Contributions should be prepared on one side of the paper in double-spaced format with wide margins, and should conform to the general editorial style of *Journal of Synchrotron Radiation*.

Manuscripts should be submitted to:

The Conference Office
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Every effort should be made to ensure that the submissiom is made either on or before the opening day of the conference (4 August 1997). Papers received after 1 September 1997 will not be accepted for publication.

Electronic files are not required at the submission stage. However, at the acceptance stage authors will be required to submit an electronic version of their manuscript (see §4.2 for details of the formats allowed).

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Invited Papers should not exceed 4500 words or equivalent (this equates to 18 double-spaced manuscript pages, including title, author names, abstract, formulae, figures, tables and references).

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All contributions must be preceded by an English language *Abstract*. The *Abstract* should state concisely the principal results obtained. Ordinarily 200 words will suffice for *Invited Papers* and 100 words for *Contributed Papers*. It should make no reference to tables, diagrams, or formulae contained in the body of the paper. Literature references in an *Abstract* are discouraged. If a reference is unavoidable, it should be sufficiently full within the *Abstract* for unambiguous identification, *e.g.* [Smith (1994). *J. Synchrotron Rad.* **1**, 21–31].

Authors should supply at least one and up to five keywords.

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Photographs intended for half-tone reproduction should be in the form of highly glazed unmounted prints.

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Bürgi, H.-B. (1989). Acta Cryst. B45, 383–390.
Hervieu, M. & Raveau, B. (1983a). Chem. Scr. 22, 117–122.
Hervieu, M. & Raveau, B. (1983b). Chem. Scr. 22, 123–128.
Hummel, W., Hauser, J. & Bürgi, H.-B. (1996). In preparation.
Jones, P. T. (1987). Personal communication.
McCrone, W. C. (1965). Physics and Chemistry of the Organic Solid State, Vol. 2, edited by D. Fox, M. M. Labes & A. Weissberger, pp. 725–767. New York: Interscience.
Perkins, P. (undated). PhD thesis, University of London, England.

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