

RADIOLOGY

Entering the New Millennium

scientific program



Fourth International Symposium
and Plenary Assembly

August 23 - 25, 2001

San Francisco, California, USA

WELCOME

Добро Пожаловать

bienvenido

wilkommen

歓迎

benvenuto

bienvenue

ようこそ

to San Francisco...

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letter from the president



Hans Ringertz MD, PhD

It is my great pleasure to welcome all of you to this 4th International Symposium on strategic issues in our field. At the last Symposium, successfully held in Berlin, Germany in 1999, this forthcoming meeting was entitled "RADIOLOGY Entering the New Millennium." Since that time, our organising structure formalised for practical reasons into the International Society for Strategic Studies in Radiology (ISSSR or IS³R), easily remembered as "ice-cube-r."

As president of this new society I am very grateful to the Vice-Presidents, Ron Arenson and Gary Glazer, for their excellent job in preparing the meeting here for its second run in the Bay Area. The list of speakers and participants is impressive, and shows that the original idea of Alex Margulis to regularly invite the worlds leading radiologists and radiology industry leaders to exchange information and ideas about the future of our speciality will continue.

In the May 2001 issue of *Radiology* RSNA-president Douglas Maynard identified five challenges to the future of medical imaging. Four of these were the following:

1. Expanding the radiology sphere of knowledge;
2. Increasing the imaging research enterprise;
3. Managing the information network, and
4. Participating in the globalisation of medicine.

This meeting makes evident that we have been working along the same lines: Our emphasis, as seen in the program, is intended to not only expand both our sphere of knowledge but to increase the breadth of research. This, in addition to the session on computer applications, forms the basis for the management of the information network. Finally, our program section on governments and regulation gives a unique global perspective of our field.

But in order to stay ahead in these developments, I feel that we need to increase research in a way which will be presented in the session on outcomes and technology assessment. Furthermore, we must realize that a lot of the steps taken forward in radiology are made in co-operation with the research units of the radiological industry. This is true both for the technology-based industry and the pharmaceutical companies. I thus look forward to the industry panels and I am sure that they will be fruitful for both radiologists and industry leaders alike.

The first of this series of symposia was held in Oxford, England with its unique, old academic tradition. I hope that that heritage will influence our days here as well. With all of this in mind, I welcome you to participate in the symposium and hope that the meeting will be scientifically, and socially, rewarding. Even if we compete we need to have a common base for friendly communication in order for Radiology to stay strong. As Alex used to cite in a dedication to another regular meeting here in San Francisco: "Each honest calling, each walk of life, has its own elite - its own aristocracy - based on excellence of performance."

SYMPOSIUM VENUE
San Francisco Hilton & Towers
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San Francisco, CA 94102
USA
Tel: 415/771-1400

OFFICIAL LANGUAGE
English (no translation of the meeting will be provided)

SMOKING POLICY
This is non-smoking symposium. Where possible, smoking areas will be provided.



The ISSR gratefully acknowledges the sponsorship of these companies which helped to make our Fourth International Symposium a success.

The International Society for Strategic Studies in Radiology is a non-political, not-for-profit organization whose purpose is to define and investigate strategic, scientific and economic issues of global importance to the field of radiology. The Society aims to foresee national and global developments in radiology and allied fields, and to strategically communicate important issues to radiologists, physicians in other medical fields, industry and governments. By forming a strategic partnership with industry in order to define important and relevant fields of cooperation and common engagement for the best possible cooperation and successful future of both partners, ISSR hopes to envision schema for actively influencing research, clinical practice and teaching now and in the future, and to prepare radiologists, their partners, and their clients for future developments. The Society aims to influence the flow of capital and investment into the most scientific and strategic fields, and to influence health care politics for the benefit of radiology, its patients and customers.

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schedule at a glance

Thursday, August 23

8:00 am	Introduction and Welcome Keynote Lecture	Imperial Ballroom
8:30 am	Updated and Future Directions of Modalities (There will be a recess during this session from 10:00-10:30 am.)	Imperial Ballroom
12:00 pm	Lunch	Plaza Room A
1:30 pm	New Emerging Areas I (There will be a recess during this session from 3:00-3:30 pm).	Imperial Ballroom
5:00 pm	Adjourn	
6:30 pm	Opening Dinner	CityScape Restaraunt

Friday, August 24

8:00 am	Keynote Lecture	Imperial Ballroom
8:30 am	New Emerging Areas II (There will be a recess during this session from 10:00-10:30 am.)	Imperial Ballroom
11:00 am	Governments and Regulation (Europe and USA)	Imperial Ballroom
12:00 pm	Lunch	Imperial Ballroom B
1:30 pm	Governments and Regulation (Asia)	Imperial Ballroom
2:00 pm	Management and Regulation	Imperial Ballroom
3:00 pm	Recess	
3:30 pm	Computer Applications	Imperial Ballroom
4:30 pm	Open Meeting of the Executive Board	Imperial Ballroom
7:00 pm	Closing Banquet (Buses to the Cliff House will depart at 6:30 from the hotel.)	Cliff House Restaurant

Saturday, August 25

8:00 am	Manufacturer Panel	Imperial Ballroom
9:15 am	Pharmaceutical Panel	Imperial Ballroom
10:30 am	Recess	
11:00 am	Outcomes and Technology Assessment	Imperial Ballroom
11:30 am	Image-Guided Therapy	Imperial Ballroom
12:15 pm	Concluding Remarks	Imperial Ballroom

floorplan

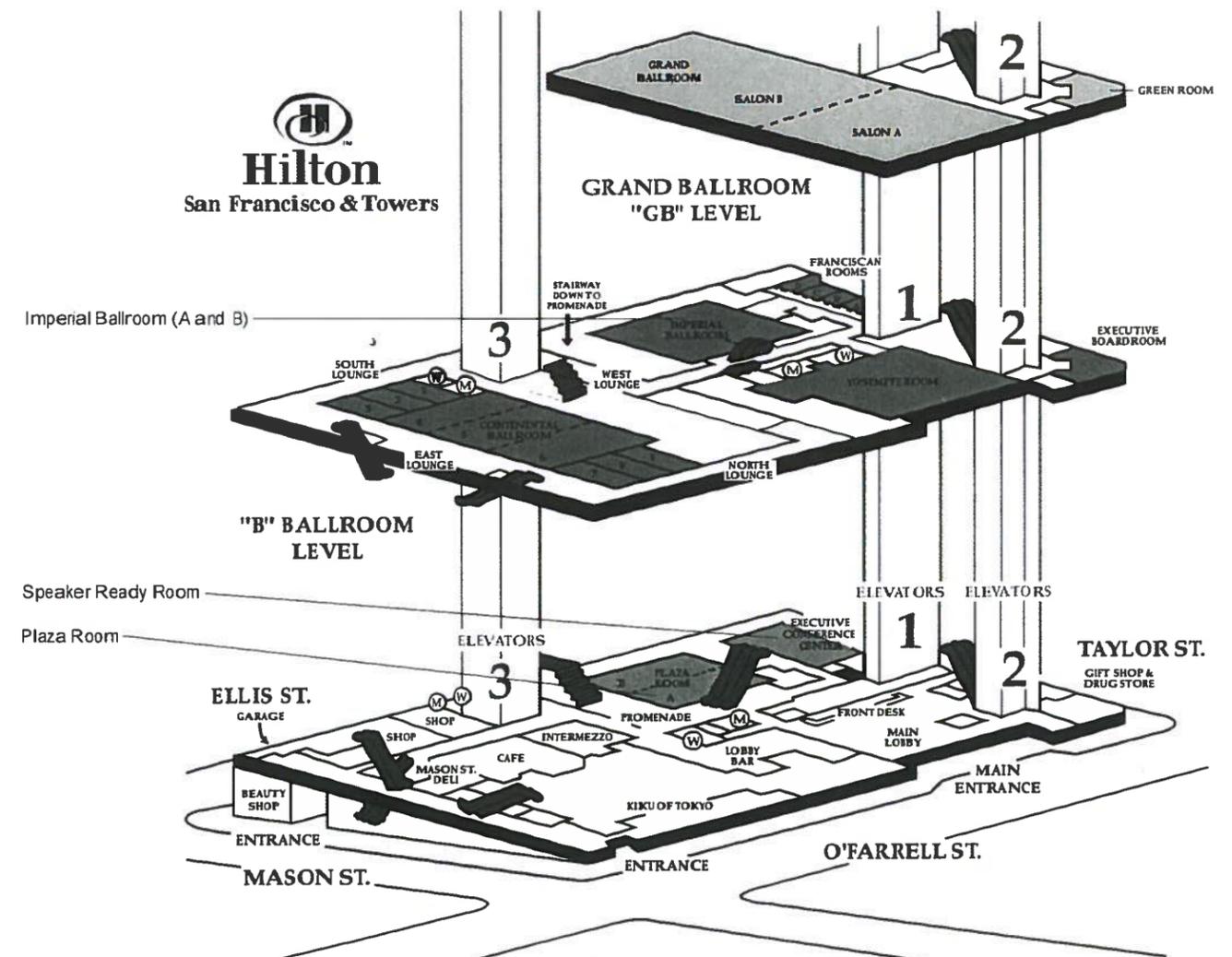


The general sessions will be held in the Imperial Ballroom on the Ballroom Level ("B").

Lunch will be hosted for attendees on Thursday in Plaza A on the lobby level (ground floor) and on Friday in the Imperial Ballroom B.

The CityScape Restaurant is located on the top floor of the hotel with a 360° view of San Francisco. Take the Towers elevator (building 3) to the top.

Buses for optional excursions and for the closing banquet will depart from the Mason Street entrance. Take the escalators located behind the Cafe and Mason Street Deli down one flight to street level.



scientific program

thursday

AUGUST 23

8:00 am Introduction
Keynote: The Strategic Aims of International Radiology

Gary M. Glazer, MD

Alexander R. Margulis, MD, DSc(hc)

updated and future directions of modalities

Computed Tomography

8:30 Volume Imaging and Display: The Future of CT
8:45 Technical Perspectives
9:00 Cardiovascular Applications

Elliot K. Fishman, MD
Willi A. Kalender, PhD
Geoffrey D. Rubin, MD

Ultrasound

9:15 Updated and Future Directions in Ultrasound
9:35 Ultrasound Updated

Barry B. Goldberg, MD
David O. Cosgrove, MD

9:55 Recess

Magnetic Resonance

10:30 Future Directions in MRI: Pelvis
10:45 Future Directions of MR Imaging of the Brain
11:00 MR Instrumentation: Integration, Interaction and in Real-time

Hedvig Hricak, MD, PhD
William P. Dillon, MD
Timothy P.-L. Roberts, PhD

Nuclear Medicine

11:15 Nuclear Medicine to Guide and Deliver Patient-Specific Therapy
11:30 Updated and Future Directions Nuclear Medicine
11:45 Early Clinical Results with an Integrated PET-CT Scanner

Richard L. Wahl, MD
Yasuhiro Sasaki, MD, PhD
Gustav K. von Schulthess, MD, PhD

12:00 pm Lunch

Guest Speaker: David Botstein, PhD, "Biomedicine in the PostGenome Era"

Cardiac

1:30 Cardiac CT Imaging: Technical Developments and Clinical Results
1:45 Cardiac Imaging
2:00 New Emerging Areas in Cardiac Imaging
2:15 Real-Time Cardiovascular MRI

Jean-Louis R. Sablayrolles, MD
Charles B. Higgins, MD
Heinrich R. Schelbert, MD, PhD
Michael V. McConnell, MD

Molecular Imaging

2:30 In Vivo Molecular Imaging
2:45 Beyond Radiologic-Pathologic Correlation
3:00 Biomedical Imaging Using Optical Coherence Tomography
3:15 Following Cells and Molecules In Vivo Using Optical Reporter Genes
3:30 Recess

Elias A. Zerhouni, MD
King C.P. Li, MD
James G. Fujimoto, MD
Christopher H. Contag, MD

Functional Imaging

4:00 Functional MR Imaging in the Radiology Department
4:15 MR Spectroscopy: a Tool for Treatment Planning and Evaluation of Response to Therapy
4:30 PET and Nuclear Medicine Methods
4:45 Characterizing Individual Tumors Using Contrast-Enhanced MRI for Functional Assessment of Tumor Microvessels

Gary H. Glover, MD
Sarah J. Nelson, PhD
Randall A. Hawkins, MD
Robert C. Brasch, MD

5:00 Adjourn

friday

AUGUST 24

8:00 am Introduction
Keynote: Cancer Therapy Based on RAS and p53

Ronald L. Arenson, MD
Frank McCormick, PhD

Screening

8:30 The Effectiveness (and Cost-effectiveness) of Mammography Screening
8:45 Cost Effectiveness of Digital Mammography
9:00 MRI Screening for Women at High Genetic Risk for Breast Cancer
9:15 CT Screening for Lung Cancer

Peter B. Dean, MD
Morgan W. Nields
Sylvia K. Plevritis, PhD
Claudia I. Henschke, MD, PhD

Interventional Radiology

9:30 The Future of Interventional Radiology
9:45 Image-Guided Therapy

Michael D. Dake, MD
Hironobu Nakamura, MD, PhD

10:00 Recess

NIH National Institute of Biomedical Imaging and Bioengineering

10:30 New Emerging Research Areas: National Institute of Biomedical Imaging and Bioengineering
C. Douglas Maynard, MD

EUROPE

11:00 UK
11:10 Germany
11:20 France (How to Promote Imaging: Experience in France)
11:30 Russia (Organization of Radiological Service in Russia: Time for Change)

Stephen J. Golding, MA, DMRD
Maximilian Reiser, MD
Guy G. Frija, MD
Valentin E. Sinitsyn, MD
Sergey K. Ternovoy, MD

UNITED STATES

11:40 Government and Regulation in the United States: Workforce (Manpower) Issues

Jonathan H. Sunshine, PhD
William R. Brody, MD, PhD

11:50 The Johns Hopkins University

12:00 pm Lunch

Guest Speaker: John Wookey, "A New Model for Information Management in Healthcare"

ASIA

1:30 Japan: Japanese DRG/PPS in 1998-2000
1:40 China

Kuni K. Ohtomo, MD
Jian-Ping Dai, MD

1:50 Managing Manpower in a Time of Constraints
2:05 Management and Governance in the UK National Health Service
2:20 Quality Management and ISO Certification
2:35 Management and Regulation in Radiology Research
2:50 Discussion

James H. Thrall, MD
Adrian K. Dixon, MD
Christian J. Herold, MD
N. Reed Dunnick, MD

3:00 Recess

3:30 Beyond PACS: Realizing the Promise of the Digital Department
3:45 Living with Thousands of Slices: Towards a New Paradigm for Radiological Interpretation

David E. Avrin, MD, PhD
Sandy Napel, PhD
Susan A. Wood, PhD
Frans Dhaenens, MD

4:00 The CAD Interactive Environment
4:15 Setting Priorities in Computer Applications: The Role of Image Processing

4:30 Open Meeting of the Executive Board

Hans G. Ringertz, MD, PhD presiding

new emerging areas

governments and regulation

management

computer applications

new emerging areas

satursday
AUGUST 25

the industrial perspective

8:00 Manufacturers' Panel
Joseph Hogan, GEMS
Erich R. Reinhardt, PhD, Siemens AG
Jack E. Price, Philips Electronics
Robert Cooke, Agfa/Bayer

9:15 Pharmaceutical Panel
Daniel L. Peters, Nycomed-Amersham
Michel Schaefer, Guerbet
Robert C. Milos, Berlex Imaging
Donald W. Evans, Bracco
Howard Stern, E-Z-Em, Inc.

10:30 Recess

11:00 Technology Assessment for Determining Effectiveness and Coverage: Changing Times in the USA
Barbara J. McNeil, MD, PhD

11:15 Multi-institutional Trials of Imaging Technologies
Bruce J. Hillman, MD

11:30 Combined MR and Interventional Therapies: New Frontiers
Van V. Halbach, MD

11:45 Malignant Liver Tumors
Thomas Vogl, MD

12:00 MRI-Guided Therapy
R. Kim Butts, MD

12:15 Concluding Remarks
Hans G. Ringertz, MD, PhD

12:35 Adjourn

outcomes

image-guided therapy

Thursday, August 23
Attendee Luncheon

12:00-1:30 pm
Plaza Room A

Join your colleagues in this first attendee lunch with a specially-prepared menu to demonstrate the light, international flare of California-style cuisine. The Symposium is pleased to present a special guest speaker, David Botstein, PhD, Professor of Genetics at Stanford University for a short talk on "Biomedicine in the PostGenome Era."

Thursday, August 23
Opening Dinner

6:30 pm
CityScape Restaurant

Participants and their guests are invited to the opening dinner overlooking San Francisco at sunset! Enjoy the spectacular 360-degree view of the City by the Bay as you catch up with colleagues and make new acquaintances.

Friday, August 24
Attendee Luncheon

12:00-1:30 pm
Imperial Ballroom A

Enjoy a typical San Francisco-style meal with your cohorts during this mid-day break. The organizers appreciate having a special guest, Mr. John Wookey, Senior Vice President of Oracle Healthcare, speak on "A New Model for Information Management in Health Care."

Friday, August 24
Closing Banquet

6:30 pm
Cliff House Restaurant

You and your accompanying guests will appreciate the beautiful view of the Pacific Ocean during the closing banquet at one of San Francisco's landmark eateries. The Cliff House, located on the very edge of the continent, has been serving San Franciscans for more than 100 years. First built as a small castle overlooking the beach it has since suffered two fires and reconstructed for the third time into its current incarnation. Its inner charm and amazing view of the sea remain a draw for locals and visitors alike. After the sun has set you can unwind to the music of reknown concert violinist Ms. Zena Schiff during dessert and coffee. (Transportation to the restaurant will board from the Mason Street entrance of the hotel, one level below the lobby, at 6:30 pm.)

general information



Exhibition: No trade exhibits are scheduled to be displayed in conjunction with this year's symposium.

Credit Cards, Currency Exchange: The reception desk at the San Francisco Hilton & Towers is able to cash traveller's checks for you. There are also several banks in the area around Union Square. An automated teller machine (ATM) is located off the main lobby. Major credit cards (Visa, MasterCard, American Express) are accepted by nearly all establishments in the area.

Insurance: The IS³R nor the symposium organizers can accept liability for personal injury, or loss/damage to property, personal or otherwise, belonging to meeting participants or accompanying persons, either during or as a result of the symposium or during all tours or their stay in San Francisco. Participants and accompanying persons should assure that their own personal health, accident and/or travel insurance are up-to-date and valid for use in the United States.

CME Credit: None of the scientific or educational sessions of this year's symposium has been approved for continuing medical education credit.

Certificates of Attendance: Participants who would like to receive a certificate verifying their attendance at the symposium are encouraged to request one from the Registration desk (located outside of the meeting room) before adjournment on Friday. Certificates will be available on Saturday morning during and following the recess break. Certificates requested after Friday afternoon or those that are not picked up from the Registration desk will be mailed following the symposium.

Meal Services: Continental breakfast and coffee breaks will be served to participants on each day of the symposium and attendees are invited to luncheon with colleagues on Thursday and Friday. Participants are on their own for lunch on Saturday. Several restaurants are available in the hotel and the surrounding area for accompanying guests. Symposium participants and their guests are welcome and encouraged to attend the dinner banquets on Thursday and Friday evenings.

Recording: Audio or video recording any part of the symposium without prior express permission is prohibited.

Registration: Staff at the registration desk will be available each day Thursday-Saturday during symposium hours. They are there to assist you with reservations, finding local venues, booking optional tours, or to help you with any challenges with your accommodations or travel arrangements.

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