



Registration Form

2004 IEEE IAS Annual Meeting

Oct. 3-7, 2004, Westin - Seattle, WA.



You may also register online at: www.ewh.ieee.org/soc/ias/ias2004

Member		Life Member		Student		Non Member	
First Name:				MI:		Last Name:	
Company/University:				Job Title:			
Street Address:							
City:				State/Province:		Zip/Postal Code:	
Country:				Telephone:		FAX:	
Email:				Badge Name:			
Spouse/Guest Name (Please include first and last name) ** You must complete a separate registration form to be fully signed up for the for the companion package located on the registration website.						Email Address	
(1)							
(2)							
IEEE or IEEEJ/AEI Member Number:				Author Paper Number(s):			

IEEE Officer: Y / N	IAS Officer: Y / N	IAS Council Member: Y / N	IAS Executive Board: Y / N	GOLD Member: Y / N	Session Chair: Y / N	IEEE Seattle Section Member: Y / N
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IAS Annual Meeting Attendance:	First Time	2-5 Attended	6-10 Attended	10+ Attended
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Full Registration with Westin Confirmation Number	(Early Registration Ends August 31, 2004)
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Westin Confirmation Number

** You must have your confirmation number at the time of registration to receive the early registration discount rates listed below. To make your reservation call 1800 WESTIN 1. **Please be sure to mention that you are an IEEE/IAS Annual Conference Registrant.** You must stay a minimum of 3 nights and may not cancel your reservation to be eligible for the discount registration rate.

	Early	On Site	TOTAL
Member	\$500	\$600	
Non-Member	\$750	\$850	
Student Member	\$250	\$250	
Economy Student Member	\$125	\$125	
IEEE Life Member	\$250	\$250	
Economy Life Member	\$75	\$75	
Retired IEEE Member	\$250	\$250	
Economy Retired IEEE Member	\$75	\$75	

Full Registration Price with no Westin Confirmation Number	(Early Registration Ends August 31, 2004)
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To receive the discounted conference registration rates listed above, please call 1 800 WESTIN 1 to make your hotel reservation. **Please be sure to mention that you are an IEEE/IAS Annual Conference Registrant.**

	Early	On Site	TOTAL
Member	\$800	\$900	
Non-Member	\$1050	\$1150	
Student Member	\$250	\$250	
Economy Student Member	\$125	\$125	
IEEE Life Member	\$250	\$250	
Economy Life Member	\$75	\$75	
Retired IEEE Member	\$250	\$250	
Economy Retired IEEE Member	\$75	\$75	

	Early	On Site	TOTAL
One-Day Registration			
Member Circle: Sun Mon Tues Wed Thur	\$300	\$400	
Non-member Circle: Sun Mon Tues Wed Thur	\$400	\$500	
Extra Proceedings	Early	Quantity	TOTAL
Printed Copy - Member	\$125		
CD-ROM - Member	\$100		
Printed Copy - Non - Member	\$150		
CD-ROM - Non-Member	\$125		

	Credits	Early	On Site	TOTAL
Interior Permanent Magnet Synchronous Machines	0.8CEU Full Day	\$160	\$185	
Servo Drives	0.4CEU Half Day	\$110	\$135	
Electric Drives and Their Control	0.8CEU Full Day	\$160	\$185	
Reliability of Power Converters	0.4CEU Half Day	\$110	\$135	
AC/DC Drive/Motor Selection	0.8CEU Full Day	\$160	\$135	
Forensic Electrical Engineering	0.4CEU Half Day	\$110	\$135	

Tutorial Organizer: Y / N	Need CEU Credit: Y / N
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	Early	Quantity	TOTAL
Extra Events			
Reception - Sunday	\$45		
Myron Zucker Student Luncheon - Monday	\$45		
Awards Luncheon - Tuesday	\$45		
President's Banquet - Wednesday	\$100		

**Meeting Registration Form
2004 IEEE IAS Annual Meeting
October 3-7, 2004, Seattle, WA**

You may also register online at: www.ewh.ieee.org/soc/ias/ias2004

Instructions for Completing the 2004 IEEE IAS Annual Meeting Registration Form

1. Please fill out your contact information completely. Include your daytime telephone number and email address so you can be contacted in the event of a problem with the application. In the space marked "Badge Name", please fill in your name as you would like it to appear on your badge.
2. Please indicate your affiliation with IEEE IAS by circling the appropriate category (*i.e. Member, Life Member, Student, Non-Member*). Be sure to include your IEEE/IEEEJ/AEI member number if you are applying as a member. Failure to include your member number will delay your application.
3. Two tours will be included with your Guest/Spouse registration (A Day at the Museum of Glass and the Seattle Art Museum with Lunch at Cutter's). You must confirm your attendance for the two tours by checking the tour option(s) you will be participating in. If you would like to purchase additional tickets or the optional tour (The Sample Seattle Deluxe City Tour) you may do so by completing the attached tour registration form and returning it with the rest of your registration information. Please be sure to include the name and email address of your Guest/Spouse. Important information about tours, hospitality suites and spouse/guest services will be sent via email.
4. If you are interested in participating in a Technical Tour, descriptions and registration information have been included on the attached Guest/Spouse registration form.
5. Authors need to include their paper number(s) in the space provided. **List all papers you have authored for this conference in the space provided.** All authors including students must register and pay the appropriate fees. A minimum of a one-day registration fee must accompany all paper submissions for the paper to be published in the conference proceedings and listed in the program. For every paper presented, there must be an author or coauthor paying the minimum of a one-day registration fee even if the author is a student.
6. Be sure to complete the section on IEEE affiliation and attendance at previous annual meetings. "GOLD"- Graduates of the last decade: Please check this box if you received your BS degree within the last ten years.
7. **Early Registration concludes August 31, 2004.** All registrations received after that date will be processed at the on-site rate.

IMPORTANT NOTICE FOR ALL 2004 IEEE IAS ANNUAL MEETING ATTENDEES(with exceptions as noted below*):** It is vitally important that all 2004 IEEE IAS Annual Meeting participants requiring hotel accommodations in Seattle make their hotel room reservation at the Westin – Seattle, which is the Annual Meeting hotel and location of all technical sessions, exhibits and other meeting activities. The room rates have been negotiated based upon our need to use all available meeting and exhibit space in the hotel. If we do not fill our negotiated room block, the IEEE IAS Annual Meeting must pay huge fees for using all of the space. This will then result in unnecessary and unpopular increases in registration fees for future Annual Meetings. The discounted registration rate available to attendees staying at the Westin is available because of their Westin reservation.

Please support the IEEE IAS in our attempt to keep your Annual Meeting registration fees reasonable. Book your room at the Westin –Seattle for the 2004 IEEE IAS Annual Meeting.

8. **Full Registration:** Includes all sessions, the proceedings on CD-ROM, plus the following:
 - ◆ **Member/Non-Member:** Sunday Evening Reception, Awards Luncheon and the Banquet - Wednesday.
 - ◆ **Regular IEEE Life, Retired or Student:** Sunday Evening Reception, Myron Zucker Lunch (Students Only), Awards Luncheon Tuesday, Banquet Wednesday.
9. **Economy Registration:** Includes all sessions plus the following:
 - ◆ **Economy Student Registration:** Sunday Evening Reception, Myron Zucker Awards Luncheon and the
 - ◆ **Economy IEEE Life or Retired Member Registration:** Sunday Evening Reception
10. **One-Day Registration** includes all sessions for the day proceedings on CD-ROM. Please indicate the day for which you will be attending.

11. All Tutorials are on Sunday, October 3, 2004. It is important that if you are a Tutorial Organizer that you indicate so on your form. Important information and instructions will be sent to you. It is also important that if you wish to receive CEU credits for you participant in any of the tutorials that you indicate so.
12. Before purchasing additional items, be sure to review item 7 or 8 above to see if the item is included in your registration fee. Registration does not include any events for your guests. These events must be purchased separately.
13. Please note that if paying by credit card, the only cards accepted are American Express, VISA and MasterCard. Be sure to include the expiration date indicated on the card.
14. Send Fax Replies to: (206) 292-0559
15. Mail forms and checks to :
CSNW – IEEE/IAS 2004
ATTN: Marcus White
1809 7th Ave.
Suite 1414
Seattle, WA 98101

Cancellation Policy: If you cancel on or before August 31, 2004 you will receive a registration refund minus a \$75.00 administrative fee. All cancellations must be received in writing and submitted to the above address.

IEEE TOUR DESCRIPTIONS

Regular Tours

A Day at the Museum of Glass

October 4, 2004

9:30 a.m. - 2:00 p.m.

\$56.00

The Museum of Glass will be an experiential learning environment, allowing visitors of all ages to explore a wide variety of subjects through visual, performing, literary and technological arts. You will discover the joy of an environment that nurtures an appreciation for artistic expression. Opened in July 2002 and designed by internationally renowned architect Arthur Erickson, the distinctive profile of the Museum of Glass is immediately identifiable cultural landmark for the Pacific Northwest region. The 75,000 square-foot building encompasses galleries and exhibition spaces, an education studio, a "Hot Shop" amphitheater, museum store and café. Museum visitors will enjoy the surrounding area of the museum as well as the facility. One can stroll along the waterfront esplanade and marina, or ascend the steps and ramps to the rooftop plaza to take in the panoramic views of the city skyline of Tacoma, the Foss Waterway, and Mount Rainier. Your visit will include a docent led tour through this fascinating facility filled with the delicate and fragile beauty of hand blown glass. This tour will include a stroll across the Chihuly Bridge of Glass. This bridge will take pedestrians through a tunnel of brilliant light and color created by internationally renowned glass artist Dale Chihuly's glass forms. Spanning 500 ft, this one of a kind bridge will link the Tacoma waterfront with the downtown core. Following the tour through the galleries, a glass-blowing demonstration in the Hot Shop Amphitheater will treat you to a choreographed visual display on the art of making glass. The interactive tour will continue as your docent explains the physics and chemistry integral to the process of glassmaking, introducing you to both the artistic and technical processes involved. This hot shop is housed in an imposing 90-foot-tall stainless steel cone, and includes a hot and cold glass studio.

Sample Seattle Deluxe City Tour

October 5, 2004

9:00 a.m. - 12:00 p.m.

\$25.00

Come sample Seattle. This tour provides an overview of the many attractions Seattle offers its visitors. We'll drive along the waterfront with its import shops and fresh seafood restaurants, into historic Pioneer Square. This area, one of Seattle's oldest, features early 1900's architecture, much of which has been renovated into wonderful art galleries and specialty shops. Next is our International District, the third largest on the West Coast. Evidence of the Pacific Rim cultural influence abounds here, even the streetlights have an Asian style. We will continue along Lake Washington to the University of Washington Campus. Continuing on, our first stop will be the Hiram Chittenden Locks and Salmon Ladder. The locks are an engineering feat, which connect saltwater Puget Sound with freshwater Lake Union. The salmon ladder features the seasonal migration of salmon returning to their parent streams to spawn. Next, travel to Magnolia Bluff where the view of Puget Sound is breathtaking. This precedes your last stop, the world famous Pike Place Farmers Market. Vendors from all around our region come to the market to showcase their wares. You'll have the opportunity to browse and hopefully find a perfect souvenir from your trip to the Emerald City.

Seattle Art Museum with Lunch at Cutter's

October 6, 2004

10:00 a.m. - 3:00 p.m.

\$66.00

The Seattle Art Museum, known to Seattlelites as SAM, has become a downtown landmark since it opened in 1992. The building, designed by the internationally recognized architect Robert Venturi, a work of art itself, provides the perfect backdrop for the museum's 20,000-piece collection. The breathtaking entrance includes a grand marble staircase rising from the lobby and featuring impressive Ming Dynasty tomb sculptures of marble. The second level is reserved for special exhibits and an amazing collection of Northwest coast Native American art and artifacts. African and Asian artwork are located on the third floor and the fourth level features European and American art, Northwest Modern art and photography. Lunch for your group will be at Cutter's Bayhouse Restaurant. Located near Pike Place Market, Cutter's commands a spectacular view of Puget Sound and the Olympic Mountains, complimenting perfectly with their Northwest style of fresh seafood and hospitality.

Technical Tours

Snoqualmie Falls Hydro Power Plant Tour

October 4, 2004

9 a.m.- 1:00 p.m.

\$22.00

Enjoy a behind the scenes look of one of Washington State's most popular scenic attraction. The Snoqualmie Falls Hydroelectric project consists of one dam and two powerhouses. The Project utilizes a concrete and wooden dam that extends across the river approximately 150 feet upstream from the 268-foot high Snoqualmie Falls. Plant 1, located in an underground cavity 270 feet beneath the Falls, was constructed in 1898. Plant 1 was the world's first electric generating facility to be built totally underground and the first major hydroelectric plant in Washington. Plant 2, located approximately one-quarter mile downstream from the Falls, was constructed in 1910 and expanded in 1957. The project has a combined generation capacity of 44,000 kw. You will also have time to visit Snoqualmie Falls National Park. More than 1.5 million visitors come to the Falls every year. At the Falls, you will find a two-acre park, observation deck, gift shop, the beautiful and elegant Salish Lodge and the famous 270 foot waterfall.

Notes: Two groups (of 12) will tour at 10-11 am, one group (of 12) will tour at 11 am-12 pm. The maximum number for this tour is 36, so make your reservation early!

Boeing Transonic Wind Tunnel Tour

October 5, 2004

1:30 p.m. - 4:00 p.m.

\$20.00

The Boeing Transonic Wind Tunnel (BTWT) is a single-return closed-circuit tunnel with an 8-foot by 12-foot test section. The tunnel incorporates a heat exchanger and a dehumidification system for controlling test section temperature and humidity. The test section has a continuous-flow operating range up to Mach 1.1 and Reynolds number capability up to 4 million per foot. Airflow in the BTWT is provided by a 24-foot diameter, two-stage axial flow fan driven by a 55,000 HP 6 kV synchronous motor operating at up to 480 RPM. Motor speed is controlled by a dual-channel, water-cooled LCI drive.

Notes: To comply with Boeing security regulations, participants must provide their name and social security number, or country of origin if not a US citizen, by September 24. Signups will not be available at the Conference. The maximum number who can take this tour is 50, so sign up early!

Boeing Surplus Store

October 6, 2004

10:00 a.m. - 1:00 p.m.

\$33.00

The Boeing Surplus Store is a great open secret here in Puget Sound. It is a clearing house of sorts for all sorts of technical, office and testing supplies. Your group will have a guided tour through this large wonderland of gadgets, tools, furniture and equipment. Some of the items are listed below: Office furniture: desks, chairs, file cabinets, computer furniture, and many peripheral items such as white boards, carpet, storage cabinets, and safes are generally available in the store. Computer equipment of all makes and models, including monitors, printers, and laptops. Test equipment, frequently they have various pieces of electronic and mechanical test equipment: chart recorders, oscilloscopes, microscopes etc. Milling cutters, drills, reamers, dial indicators, air tools, and many other machine shop items are available in their world famous tool crib. For more information, see their web site at www.boeing.com/assocproducts/surplus.

IEEE TOUR REGISTRATION FORM

Companion Package

\$100.00

- Includes:
- Tea on Sunday
 - Breakfast several days

If you have a companion, please choose which tour(s) your companion will participate in: (either or both)

- ☐ A Day at the Museum of Glass Tour (October 4)
☐ Seattle Art Museum with Lunch at Cutter's (October 6)

Registration

To register for the tours, please complete and return the registration form below along with full payment to:

Convention Services Northwest

Tower Building/Suite 1414
 1809 Seventh Avenue
 Seattle, WA 98101 USA
 (206) 292-9198 FAX (206) 292-0559
 Attn: Marcus White

Tour Departures

All tours will depart from _____. Please arrive 15 minutes prior to tour departure time.

Reservations

Reservations must be received by August 31, 2004.

Tickets may be purchased on-site on a space-available basis only and will include an additional \$2.00 charge. Your tour tickets will be with your registration materials.

Refunds

Refunds for cancellation will be made if written request is received at the Convention Services Northwest office by August 31, 2004, less a \$5.00 handling fee per ticket. After August 31, 2004 no refunds or exchanges can be made. If minimum registration on a tour is not met, Convention Services Northwest will refund the cancelled tour or apply the refund toward another tour.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Hotel in Seattle: _____

Avoid Duplication! Don't Fax and Mail!

- ☐ I have special needs, disabilities or dietary concerns. Please have someone from Convention Services NW contact me.

For Office Use Only

Deposit No. _____ Check No. _____
 Amount: \$ _____ Init. _____

TOURS	PRICE	X	QTY	=	TOTAL	FORM OF
October 4, 2004						<input type="checkbox"/> Check or Money Order (payable to Convention Services Northwest)
A Day at the Museum of Glass	\$56.00	x _____	=	\$ _____		
Tech: Snoqualmie Falls Plant Tour*	\$22.00	x _____	=	\$ _____		
October 5, 2004						<input type="checkbox"/> MasterCard <input type="checkbox"/> Visa <input type="checkbox"/> Discover <input type="checkbox"/> American Express <input type="checkbox"/>
Sample Seattle City Tour	\$25.00	x _____	=	\$ _____		
Tech: Boeing Wind Tunnel Tour*	\$20.00	x _____	=	\$ _____		
October 6, 2004						_____ Card No.
Seattle Art Museum / Cutter's	\$66.00	x _____	=	\$ _____		
Tech: Boeing Surplus Tour*	\$33.00	x _____	=	\$ _____		
Companion Package	\$100.00	x _____	=	\$ _____		Exp. Date
Please check which tours you want above.						Signature
TOTAL					=	\$ _____

*Italicized Technical Tours are for attendees only.