



DEPARTMENT OF THE NAVY
HYDRODYNAMIC/HYDROACOUSTIC TECHNOLOGY CENTER
CARDEROCK DIVISION, NAVAL SURFACE WARFARE CENTER
BUILDING 17, ROOM 120
9500 MACARTHUR BOULEVARD
WEST BETHESDA, MD 20817-5700
Phone: (301) 227-3827 Fax: (301) 227-3884



13 January 2003

SUBJ: INVITATION TO THE 6TH HYDRODYNAMIC/HYDROACOUSTIC TECHNOLOGY CENTER USER
CONFERENCE, 25 – 26 FEBRUARY 2003

We would like to take this opportunity to invite you to join us for the 6th Hydrodynamic/Hydroacoustic Technology Center (H/HTC) User Conference on 25 – 26 February 2003. As in past years, the purpose of the Conference is to facilitate communication amongst the members of our community on issues important to the users of the Tech Center. Apart from an H/HTC capability update, in which we present the status of the Center's hardware, software, networks, and collaborative engineering tools, this year's Conference will feature panel discussions on an Integrated Ship and Submarine Design Process, and current initiatives in Distributed Pump Propulsion. Additional presentations will address The Center for Innovation in Ship Design (including ONR's National Naval Responsibility for Naval Engineering), and Computational Efforts at ARL/PSU and other organizations.

The Conference will once again be held at the Booz Allen Hamilton Conference Center in McLean (Tysons Corner), Virginia. Registration and a continental breakfast will be provided beginning at 7:30 am on Tuesday, 25 February, and the official program will start at 8:30 am with the Keynote Address. This year's Address will be given by Rear Admiral Paul Sullivan, Deputy Commander of NAVSEA for Ship Design, Integration, and Engineering (SEA 05).

A full registration packet containing the preliminary Conference Program, Registration and Clearance Forms, and hotel and travel information is enclosed. There is space on the Registration Form for you to advise us of any specific topics you believe should be addressed during the User Conference. We will consider these topics for inclusion as we work to finalize the agenda. The presentations and discussions within the Auditorium will be classified up to and including SECRET. Please complete the **Registration Form** and **Clearance Form** and mail along with a **Registration Fee of \$80** to Booz Allen Hamilton at the address provided.

Attendance at the Conference is by invitation only. If you know of someone who would like to attend but has not received this invitation letter, please call either of us at the H/HTC, (301) 227-3827.

We look forward to seeing you in February.

CDR Frank Novak
H/HTC Technical Director

Doug Dahmer
H/HTC Operations Manager



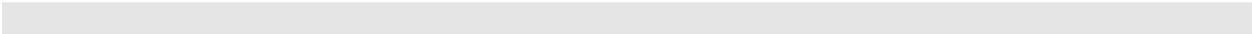
Preliminary



**Hydrodynamic / Hydroacoustic Technology Center
User Conference Program**

Tuesday, 25 February 2003

Registration and Continental Breakfast	0730 – 0830	Atrium
Welcome – CDR F. Novak, D. Dahmer (H/HTC)	0830 – 0845	Auditorium
Keynote Address RADM P. Sullivan, Deputy Commander for Ship Design, Integration, and Engineering (SEA 05)	0845 – 0930	Auditorium
H/HTC Status Report – D. Dahmer State of the Center Town Hall Discussion	0930 – 1030	Auditorium
Break	1030 – 1045	Auditorium
CFD Code Status – Recent Evaluation Studies A Limited Investigation Into Commercial RANS Codes (M. Ebert, NSWCCD) Hybrid RANS/LES Simulations of Turbulent, Separated Flows Using CFD++ (P. Chang, NSWCCD) Re-evaluating the Limitations and Applicability of Modern Hydrodynamics – MIT Thesis Results (LCDR R. Fairman)	1045 – 1200	Auditorium
Lunch Buffet	1200 – 1300	Atrium
Panel: Integrated Ship Design Process – Moderator: T. Arcano, SEA 05U Participants: H. Fireman (SEA 05D), J. Leadmon (SEA05U), F. Pearce (PMS 500), S. Menno (GD-EB), W. Boze (NG-NN), J. Webster (ONR -X Craft)	1300 – 1500	Auditorium
Break	1500 – 1515	Atrium
Various Technical Presentations Composite Advanced Sail (D. Bonanni, NSWCCD) CFD Challenges at Northrop Grumman – Newport News (P. Ryan, NG-NN) Error Assessment and Error Reduction in Production-Level RANS-Based Drag Predictions (D. Davis, GD-EB) DARPA Drag Reduction Effort (L. Porter, DARPA)	1515 – 1715	Auditorium
Reception	1715 – 1815	Atrium



Preliminary



Preliminary



Hydrodynamic / Hydroacoustic Technology Center User Conference Program

Wednesday, 26 February 2003

Registration and Continental Breakfast	0745 – 0830	Atrium
Center for Innovation in Ship Design – J. Christian, SEA 05D	0830 – 0915	Auditorium
Hydrodynamic / Hydroacoustic Computational Efforts at ARL/PSU Lessons Learned in CFD-Linux Clusters (J. Watson, R. Kunz) Overset and Unstructured Methods for Naval Applications (R. Kunz, E. Paterson) Alternatives to MSC NASTRAN (S. Hambric, J. Watson)	0915 – 1115	Auditorium
Luncheon – Archaeological Remote-Sensing Survey of Operation Neptune – theD-Day Landings at Omaha and Utah Beaches, Normandy, France (S. Schmidt, Navy Historical Society)	1115 – 1300	Room 2001
Panel: Distributed Pump Propulsion – Moderator: J. Schuster, OPNAV N775 Concepts Under Consideration- SEA 05U (T. Arcano/CDR C. Warren) Existing Programs and Plans- SEA 93R (RDML S. Johnson) Technological Challenges and Plans- ONR (J. Muench) DARPA Open Discussion	1300 – 1515	Auditorium
Final Comments & Wrap up – CDR F. Novak, D. Dahmer	1515 – 1530	Auditorium

Preliminary

REGISTRATION FORM

6th Hydrodynamic/Hydroacoustic Technology Center User Conference

February 25 – 26 2003

Booz Allen Hamilton Conference Center, McLean, VA

I will be attending the 6th H/HTC User Conference:

Name: _____

Organization: _____

Address: _____

Phone: _____ **Fax:** _____

E-mail: _____

I would like to see the following subjects addressed at the Conference:

Registration fee of \$80 is enclosed by:

Check _____ **(check should be made payable to Booz Allen Hamilton)**

Credit Card: **Visa** _____ **MasterCard** _____ **American Express** _____

Name (As it appears on Credit Card): _____

Card Number _____ **Expiration Date:** _____

MAIL/FAX THIS REGISTRATION FORM BY FEBRUARY 18 2003:

Booz Allen Hamilton
ATTN: Cindy Thompson

Allen 622A
8283 Greensboro Drive
McLean, VA 22042

Fax: (703) 902-3697

For further information, call (703) 377-0829

IMPORTANT INSTRUCTIONS

1. This Security Certification/Visit Request must be faxed (preferably) or mailed to:

Booz Allen Hamilton
ATTN:Cindy Thompson
Allen 622A
8283 Greensboro Drive
McLean, VA 22102

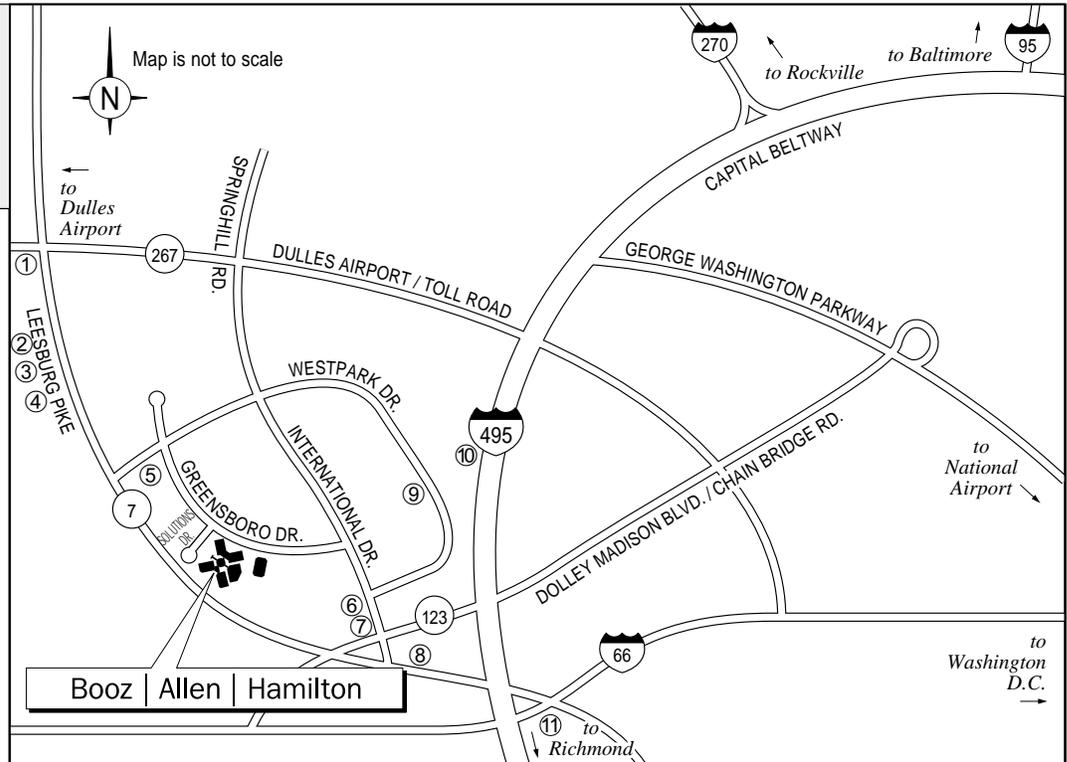
Fax: (703) 902-3697
Phone: (703) 377-0829

2. TELEPHONE REQUESTS WILL NOT BE ACCEPTED.
3. GOVERNMENT ATTENDEES: Send clearances directly to Booz Allen.
CONTRACTORS: Send clearances through your user agency for need-to-know verification and forward to Booz Allen.
4. **Clearance certifications must be received no later than February 21, 2003.**

you can get
HERE from
THERE

Booz Allen's McLean Campus Facility

Tysons Corner,
Virginia



How to get here from...

ROCKVILLE

Take I-270 South (toward Northern Virginia) to I-495 (toward Richmond). Take Exit 46A (Tysons Corner/Route 123 South). Go to the second light, and turn right onto International Drive. At the first light, turn left onto Greensboro Drive. Take the second left onto Solutions Drive and another left into the "visitor" lot. The Building sits on the corner of Greensboro and Solutions drives. (8283 Greensboro Drive.)

BALTIMORE

Take I-95 South to Washington. When I-95 turns toward Richmond, follow I-495 West (signs say Silver Spring). Continue on I-495, west and then south, over the state line into Virginia to Exit 46A (Tysons Corner/Route 123 South). Go to the second light, and turn right onto International Drive. At the first light, turn left onto Greensboro Drive. Take the second left onto Solutions Drive and another left into the "visitor" lot. The Building sits on the corner of Greensboro and Solutions drives. (8283 Greensboro Drive.)

NATIONAL AIRPORT

Go north on the George Washington Parkway to Route 123 South. Go about 4 1/2 miles on Route 123. After passing under I-495, watch for International Drive, where you will turn right. At the first light, turn left onto Greensboro Drive. Take the second left

onto Solutions Drive and another left into the "visitor" lot. The Building sits on the corner of Greensboro and Solutions drives. (8283 Greensboro Drive.)

DULLES AIRPORT

Take the Dulles Access Road and exit to Route 7 East. After the first light on Route 7, begin merging left, and make a left turn onto Westpark Drive. Go up the hill one block to the next light and turn right on Greensboro Drive. Once on Greensboro, you can see the campus a block up on your right. To park, turn right on Solutions Drive just before the campus, and then left into the visitor lot.

WASHINGTON, D.C.

Before 4:00 pm and after 6:30 pm, take I-66 West to Exit 67 (Dulles Access/Toll Road). Follow the signs for "All Local Exits (267 West)" to Exit 17 (Spring Hill Road). After the toll booth (25¢), turn left onto Spring Hill Road (which becomes International Drive). At the fourth light, turn right on Greensboro Drive. Take the second left onto Solutions Drive and another left into the "visitor" lot.

The Building sits on the corner of Greensboro and Solutions drives. (8283 Greensboro Drive.)

Between 4:00 pm and 6:30 pm, ask for directions across one of several Potomac River Bridges to the George Washington

Parkway going North. Exit at Route 123 South. Go about 4 1/2 miles on Route 123. After passing under I-495, watch for International Drive, where you will turn right. At the first light, turn left onto Greensboro Drive. Take the second left onto Solutions Drive and another left into the "visitor" lot. The Building sits on the corner of Greensboro and Solutions drives. (8283 Greensboro Drive.)

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Visitor parking is available in designated areas in front of the building. All visitors must sign in at the reception desk in the main lobby.

PUBLIC TRANSIT

Take the Metrorail Orange Line to the West Falls Church Station. (If you need to transfer to the Orange Line, consult the maps at your station.) After exiting West Falls Church Station, take the Fairfax County Connector #427. The buses stop in front of Booz-Allen at 8283 Greensboro Drive.

To ride Metrorail, you must use a farecard, available from farecard machines at each station. Use your farecard at the gates to enter and exit the system. Your fare will be deducted automatically upon exiting, and your farecard will be returned to you if it has any remaining value.

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① SHERATON PREMIERE AT TYSONS CORNER

8661 Leesburg Pike
Vienna, VA 22182
Phone: 703-448-1234e
Fax: 703-442-0745
Toll Free Res: 800-325-3535

② THE RESIDENCE INN BY MARRIOTT-TYSONS CORNER

8616 Westwood Center Drive
Vienna, VA 22182
Phone: 703-893-0120
Fax: 703-790-8896
Toll Free Res: 800-331-3131

③ COMFORT INN TYSONS CORNER

1587 Springhill Road
Vienna, VA 22182
Phone: 703-448-8020
Fax: 703-448-0343
Toll Free Res: 800-221-2222

④ EMBASSY SUITES HOTEL TYSONS CORNER

8517 Leesburg Pike
Vienna, VA 22182
Phone: 703-883-0707
Fax: 703-883-0694
Toll Free Res: 800-EMBASSY

⑤ TYSONS WESTPARK HOTEL

8401 Westpark Drive
McLean, VA 22102
Phone: 703-734-2800
Fax: 703-821-8872
Toll Free Res: 800-533-3301

⑥ HOLIDAY INN TYSONS CORNER

1960 Chain Bridge Road
McLean, VA 22102
Phone: 703-893-2100
Fax: 703-893-2062
Toll Free Res: 800-HOLIDAY

⑦ TYSONS CORNER COURTYARD BY MARRIOTT

1960-A Chain Bridge
McLean, VA 22102
Phone: 703-790-0207
Fax: 703-790-0308
Toll Free Res: 800-321-2211

⑧ TYSONS CORNER MARRIOTT HOTEL

8028 Leesburg Pike
Vienna, VA 22182
Phone: 703-734-3200
Fax: 703-442-9301
Toll Free Res: 800-228-9290

⑨ THE RITZ-CARLTON, TYSONS CORNER

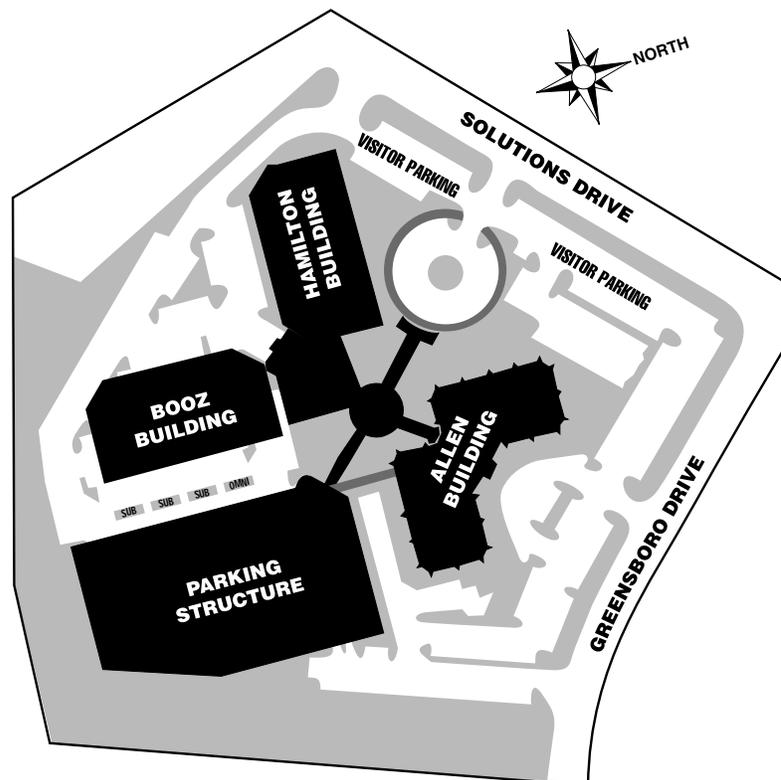
1700 Tysons Boulevard
McLean, VA 22102
Phone: 703-506-4300
Fax: 703-506-2694
Toll Free Res: 800-241-3333

⑩ THE McLEAN HILTON AT TYSONS CORNER

7920 Jones Branch Drive
McLean, VA 22102
Phone: 703-847-5000
Fax: 703-761-5207
Toll Free Res: 800-HILTONS

⑪ DOUBLETREE HOTEL TYSONS CORNER

7801 Leesburg Pike
Falls Church, VA 22043
Phone: 703-893-1340
Fax: 703-442-7396
Toll Free Res: 800-228-2828



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