ADVANCE PROGRAM

Dynamic Positioning Conference 2018

WORKSHOP: OCTOBER 8, 2018
CONFERENCE: OCTOBER 9 - 10, 2018

Westin Houston Memorial City - Houston, TX
CONFERENCE SPONSORS

WORKSHOP SPONSORS

TUESDAY LUNCH SPONSOR

FLASH DRIVE SPONSOR

MEDIA SPONSORS
ABOUT THE CONFERENCE
Dynamic Positioning continues to be an evolving science characterized by product innovations, advancing technology, diversified applications, new standards and challenges. The MTS Dynamic Positioning Conference provides DP professionals with the opportunity to keep current and abreast of the latest technology, applications and changes affecting Dynamic Positioning. This is a must-attend event for all professionals actively involved in DP or interested in gaining a better understanding of this continually advancing science.

The Conference starts with a one-day workshop followed by a two-day technical conference. This provides three days of informative cutting-edge presentations, exhibits, and social gathering opportunities for informal discussions and exchange of knowledge, experience, and lessons learned. Comprehensive Conference Proceedings are published on the Internet. This focused conference provides access to key decision-makers and technology leadership in the Dynamic Positioning industry, making the MTS DP Conference the world’s leading symposium on Dynamic Positioning.

This year’s technical program will again focus on new technology, while addressing topical and requested topics such as risk and cybersecurity, environmental issues, lessons learned, and case histories. The conference will be of value to all DP professionals, including designers, engineers, DP operators, support staff, consultants, class societies, government organizations and regulatory agencies, and DP vessel managers and owners.

WORKSHOP
A one-day workshop will be held on Monday, October 8, 2018. These workshops have proved to be both highly informative and extremely popular, and consistently sell out.

This year’s workshop will focus on the latest MTS DP Guidance Documents and will follow a similar format to previous years. Space is limited and those planning to attend should register early.

EARLY REGISTRATION DISCOUNT
Register by September 9, 2018 for the Conference early registration discounted rate of $550 for MTS members and $625 for nonmembers. Registration includes technical sessions, lunch both days, evening receptions and online access to the Proceedings. The early registration cost for the Workshop is $150 for conference attendees and MTS members and $200 for non MTS members not attending the full conference.

SPONSORS
We invite sponsors to support the conference with their generous sponsorships. Details on the website.

LOCATION
This year’s conference will again be held at the spacious and elegant Westin Houston, Memorial City Hotel
945 Gessner
Houston, TX 77024
Tel: 281/501-4300

The hotel is located in West Houston at the corner of Gessner and I-10, just east of the Sam Houston Tollway. Accommodation is available at a discounted rate of $185 a night (plus tax) with advanced reservations by September 20, 2018, or until all allocated rooms are booked, whichever occurs first.

Book using the reservation link on the DP website at http://dynamic-positioning.com/hotellocation

The Conference is a volunteer-run event and all funds in excess of those required to stage the conference are used for DP Committee projects.

CONFERENCE COMMITTEE

Committee Chairman
Pete Fougere, Consultant

Conference Chairman
Stephen Browne, OARS-HPSG

Workshop Co-Chair
Chuck Centore, GATE

Workshop Co-Chair
Adam Shrives, Noble Corporation

Technical Chair
Aaron Smith, OSVDPA

Technical Co-Chair
Thor Haarseth, Haarseth DP and Marine Services

Treasurer
Dietmar Deter, Nautex, Inc.

Arrangements
Brenda Wolak, Consultant

Communications
David Hollier, Transocean

Exhibits
Dan Galligan, Oceaneering International

Publicity/Registration
Reyna Caraveo, Stansfeld & LLC

ADVANCE PROGRAM
ABOUT THE WORKSHOP

Chair: Chuck Centore, GATE
Co Chair: Adam Shrives, Noble Corporation

The DP Conference workshop has proved to be an extremely popular addition to the Annual Conference. The workshop precedes the two-day MTS DP Conference and will be held on October 8, 2018 at the WESTIN MEMORIAL CITY Hotel, (same venue as the conference). This workshop continues to be seen as adding value to the DP community. This view is reflected in the increasing number of requests to the MTS DP Committee to conduct similar workshops in other areas around the world.

The topics for the 2018 workshop include:

8:00 AM MORNING SESSION

TECHOP ON DP SME COMPETENCY/FMEA PRACTITIONER COMPETENCY: PENULTIMATE REVIEW OF THE FMEA/SME DRAFT COMMENTED REVISION OF THE COMPETENCY GUIDANCE DOCUMENT

11:30 AM LUNCH

12:45 PM AFTERNOON SESSION

ASSET REACTIVATION: PENULTIMATE REVIEW OF ASSET REACTIVATION GUIDANCE DOCUMENT AGAINST BACKDROP OF EXPERIENCES IN REACTIVATION

4:30 PM - CONCLUSION OF WORKSHOP

TECHOP Guidance Documents relevant to the workshop will be published and available on the website prior to the Workshop. Participants will review and provide feedback on the featured TECHOP to the Guidance and Standards Sub Committee. Comments will be addressed and incorporated in the final version of this and other TECHOPs, if relevant.

Workshop attendance is limited to 90. Registration is separate from the Conference registration. Early registration is $150 for Conference attendees and MTS members or $200 for non MTS members not attending the Conference. Rates increase by $50 respectively after September 9, 2018.

Those Likely to Benefit from the Workshop

- Shipyards/DP Vessel Designers, Key DP Equipment Vendors
- Consultant Community
- Representatives from Vessel Owners/Contractors Project teams, Technical department (with accountability for specifying DP -- Equipment, FMEAs, Operations)
- Representatives from Class and Statutory Bodies (Flag State/Coastal State)
- Vessels’ Operational Management teams (Masters, Chief Engineers, Chief Electricians, DPOs)
- Representatives from Oil Companies/Operators with accountability for assurance on marine and DP-related matters
- Representatives responsible for training personnel/stakeholders engaged in DP operations. (Not limited to DPO training)

The workshop will follow a similar format to previous years with the participants working in small groups of 8 -10 people per table. Experienced personnel will be available to participate, coach and mentor each group.

Results and conclusions from the workshop will be summarized and presented to the MTS DP Technical Committee and DP Conference participants at the Conference luncheon on October 10, 2017.

Early registration for the DP Conference will open at around 3:30 PM. A reception will be held in the Exhibit Hall for all early registrations starting at 4:00 pm

SPONSORPACKAGES

Please consider becoming a conference sponsor.
Workshop, Lunch (Wednesday) Evening Reception, and Refreshment Break Sponsors opportunities are available.

All sponsors are recognized on the website, in the printed Conference material and at the Conference.

For more information and to register as a sponsor, please visit https://dynamic-positioning.com/sponsors/
DAY ONE

7:00 AM    Registration Opens
7:00 - 7:45 AM    Speakers’ Breakfast
7:00 - 7:45 AM    Continental Breakfast for Delegates in the Exhibit Hall
8:00 AM    WELCOME REMARKS
            Peter Fougere - DP Committee Chair

8:15 AM    KEYNOTE
            REGULATORY - Session Chair: Guillaume Vileyn, BV
            8:30 AM    D-Class, Classification In A Digital Transformation
                        Aleks Karlsen, DNV GL
            9:00 AM    Competency Assurance Framework: First Year In Review
                        Bolshoy Bhattacharya, London Offshore Consultants
            9:30 AM    MTS Guidelines and Class Rules. How to Bridge the Gaps?
                        Joey Fisher, M3 Marine Expertise

10:00 AM    Refreshment Break

CYBER SECURITY - Session Chair: Bjorn Harald Bangstein, TAMU

10:30 AM    Cybersecurity - A Systems Perspective
            Paul Mario Koola, Texas A&M University Galveston

11:00 AM    Maritime Cyber-Security for Ports and Manned and Unmanned Vessels: A Review of Current Capabilities, Challenges and Future Directions
            Dr. Phil McGillivary, U.S. Coast Guard

11:30 AM    Legal and Policy Issues with Maritime Cybersecurity
            Paula deWitte, Texas A&M University Galveston

12:00 PM    LUNCH & AWARDS - Sponsored by DNV GL
            Distinguished Achievement Award & Workshop Update

POWER AND DESIGN - Session Chair: Sean Hogue, London Offshore Consultants

1:30 PM    Batteries as Power Sources in DP Systems
            Aleks Karlsen & Sverre Eriksen, DNV GL

2:00 PM    Fostering Sustainability through Energy Storage Systems for Marine & Offshore Vessel
            Stig Olav Settemsdal, Siemens

2:30 PM    Modelling and Simulation of HVDC Distribution System Suitable for DP Ships
            Senananda Abhayasinghe, London Offshore Consultants

3:00 PM    Refreshment Break

UNWANTED THRUST - Session Chair: Suman Muddusetti, Shell

3:30 PM    Thruster Fail-Safe – Effective Validation and Verification’
            Steven Cargill, Noble Denton Marine Services – Aberdeen

4:00 PM    ‘Unwanted Thrust – Have We Done Enough?’
            TBD, Shell Projects and Technology – Houston

4:30 PM    Panel Session - Addressing ‘Unwanted Thrust’

5:00 PM    COCKTAIL RECEPTION
DAY TWO

7:00 AM  Registration Opens
7:30 - 8:15 AM  Speakers’ Breakfast
7:30 - 8:15 AM  Continental Breakfast for Delegates in the Exhibit Hall

COMPETENCY - Session Chair: Bill Innes
8:30 AM  Meeting the Training Demands of Continuing Professional Development for The Dynamic Positioning Officer
John Lloyd, The Nautical Institute
9:00 AM  Competence Building while Migrating Technology and Operations
Ralph Benham, Maersk Training
9:30 AM  DP Sea Time Validation: An In-Depth Review of the Commonly Utilized DP Validation Practices and Suggestions for How the Industry can Improve
Aaron Smith, OSVPA

10:00 AM  Refreshment Break - Sponsored by Hornbeck Offshore

OPERATIONS - Session Chair: Captain Erik Oberlin
10:30 AM  Dynamic Positioning Systems for the Offshore Wind Industry
Ivar Ihle, Rolls-Royce Marine
11:00 AM  Operational Support by Controlling Ship Motions (DP Plough Operations)
Ehab el Aman, RH Marine Netherlands
11:30 AM  Remote Control of a DP Vessel
Iain Huntly-Playle, Wärtsilä Dynamic Positioning

12:00 PM  LUNCH
“Back to Work” - The Reactivation of a DP3 Semi-Submersible to Time and Budget Constraints, yet Exceeding Client and Industry standards, to Work is Harsh Environment - West of Shetland, North Atlantic Ocean

SENSORS - Session Chair: Chad Fuhrmann, Marine Assurance Consulting
1:30 PM  Sensor Fusion and Proximity Awareness in DP
Arne Rinnan, Kongsberg Seatex AS
2:00 PM  Position Reference for DP – A New Look from A Systems Engineering Approach
Tom Stockton, Systems Engineering International
2:30PM  Challenges of Performance Testing an Environmentally Referenced Sensor
David McKnight, Guidance Marine

3:00 PM  Refreshment Break

RISK - Session Chair: Kris Kallaway, Conoco Phillips
3:30 PM  Properties of Evidences and Evidence Generation
Odd Ivag Haugen, DNV GL
4:00 PM  Practical Experiences and Guidelines on How to Use DNV GL DP Capability Standard ST-0111
Luca Pivano, DNV GL
Sofien Kerkeni, D-ICE Engineering

5:00 PM  Conference Wrap Up
EXHIBITORS
Two connected areas of exhibit space adjacent to the conference room provide maximum exposure to conference delegates and generous booth spaces for exhibitors. Refreshment breaks and the cocktail reception are all hosted in and around the exhibit areas.

EXHIBITOR PACKAGE
- Two full conference passes.
- Generous space with ample traffic
- 110 VAC electric power. (Exhibitors should bring their own power strips and cords.)
- Tables, two chairs and table drape provided.
- Attendee list and access to proceedings following the conference.
- Recognition in printed material, at the Conference and on the website.

DELIVERY AND SHIPPING
Ship exhibit material to:
Dynamic Positioning Conference Oct: 8-10, 2018
Name of Exhibitor
Number of Boxes (Box # of #)
Westin Houston Memorial City Hotel
945 Gessner
Houston, TX 77024
Do not ship materials to arrive earlier than October 4, 2018

For more information and to register as a exhibitor, please visit https://dynamic-positioning.com/exhibitors/

EXHIBITORS
1 Siemens 
3 Advanced Designs Corporation 
7 Guidance Marine 
8 Wartsila 
9 Fugro Satellite Positioning 
10 Fugro Satellite Positioning 
13 Keelson Marine Assurance 
16 Beier Integrated Systems 
17 Veripos 
18 DNV GL 
21 GE Power 
22 Sonardyne 
23 Braemar Engineering 
26 Oceaneering International 
30 Maritime Assurance & Consulting 
31 GATE, Inc.

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Register by September 9, 2018 to take advantage of the early registration discount

### Full Conference Registration

<table>
<thead>
<tr>
<th>Category</th>
<th>Member Fee</th>
<th>Nonmember Fee</th>
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<tbody>
<tr>
<td>Members of MTS</td>
<td>$550.00 By September 9, 2018</td>
<td>$650.00 After September 9, 2018</td>
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<tr>
<td>Nonmembers*</td>
<td>$625.00 By September 9, 2018</td>
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<tr>
<td>Lifetime MTS Members</td>
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<tr>
<td>Full-time Students (with student ID)</td>
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### One-Day Registration

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<th>Category</th>
<th>Member Fee</th>
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<tr>
<td>Members of MTS</td>
<td>$350.00 By September 9, 2018</td>
<td>$450.00 After September 9, 2018</td>
</tr>
<tr>
<td>Nonmembers*</td>
<td>$425.00 By September 9, 2018</td>
<td>$525.00 After September 9, 2018</td>
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### Workshop Registration (limited to first 90 paid registrants)

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Conference attendees and MTS Members</td>
<td>$150.00 By September 9, 2018</td>
</tr>
<tr>
<td>Non MTS Members NOT attending the conference</td>
<td>$200.00 By September 9, 2018</td>
</tr>
</tbody>
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*Nonmembers’ registration fee includes a one-year membership to the Marine Technology Society.

Register and pay online at: [https://dynamic-positioning.com/2018-dp-conference-online-registration/](https://dynamic-positioning.com/2018-dp-conference-online-registration/)
or mail this form with a check payable to:

MTS DP COMMITTEE  
c/o STANSFELD LLC  
56 AUTUMN OAKS DRIVE  
AUSTIN TX 78737

### Registration Information:

If you wish to pay by credit card, please pay online through the web site at [http://www.dynamic-positioning.com](http://www.dynamic-positioning.com)

Name: ____________________________________________________________________________________________

Company: ____________________________________________________________________________________________

Street Address: ____________________________________________________________________________________________

City: ___________________________________________________ State/Province:_________________ Postal Code_________________

Country: ___________________________________________________

Day Phone: _______________ Fax:___________________ Email:________________________________________

Please check all that apply:

MTS Member ____  MTS Life Member____  Student ____

### Events You Wish to Attend (Click all that apply)

- Full Conference ____  One day ____  (If one day, state day:________________________)  Workshop ____

To access the Proceedings on line, please specify a user name (must be an email address) and password:

Email ____________________________ Password:____________________

Mail Registration to:

MTS DP COMMITTEE  
c/o STANSFELD LLC  
56 AUTUMN OAKS DRIVE  
AUSTIN TX 78737