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# **ATMA 2025 annual conference**

## **Association Technique Maritime et Aéronautique**

**Monday 6 October afternoon**  
**Tuesday 7 October 2025**

**Themes presented : Sciences, Hydrodynamics, Ship stability,  
Application to military ships, History**

ATMA invites you to participate in its annual conference which will take place on Monday October 6 from half past noon to 4.30 p.m. and October 7 from 9 a.m. to 5 p.m. in the Chaptal lounge of the Hôtel de l'Industrie. Access is free but you must confirm your presence in advance at [contact@atma.asso.fr](mailto:contact@atma.asso.fr)

Hôtel de l'Industrie is located 4 Place Saint-Germain des Prés, 75006 Paris, just near Saint-Germain des Prés church (Metro line 4: Saint-Germain des Prés, Metro line 10: Mabillon).

If you wish to follow the presentations by videoconference, you must tell us at [contact@atma.asso.fr](mailto:contact@atma.asso.fr) and we will tell you how to connect.

After the conference, you will be able to watch the recordings of the presentations on internet via ATMA website <https://www.atma.asso.fr/>

## Program

### Monday 6 October

12h30 – 13h30	Refreshments, buffet
13h30 – 13h40	Introduction by Mr Alain BOVIS, ATMA President
13h40 – 14h00	Award ceremony for the best ATMA presentation 2024 to Frederic Hauville
Session 1 : Sciences. Chairman Jean-Michel Gérez	
14h00 – 14h30 1	Oceanovox Initiative (Céline Drouet, Oceanovox)
Session 2 : Sailing propulsion. Chairwoman Nathalie Mercier-Perrin	
14h30 - 15h00 2	Wind assisted propulsion, useful wind domain (François Lefaudeux)
15h00 – 15h30 3	Dynamic modular simulation platform for sail-assisted vessels (Pierre Montfort, OSE)
15h30 – 16h00 4	Installation of Rotor Sails to the MR Tanker Alcyone (Robert Bridges, TotalEnergies)
16h00 – 16h30 5	Wind Assisted Propulsion Systems : a key to reduce CO2 and methane emissions (Frédéric Deybach, TotalEnergies)

## Tuesday 7 October

<b>9h00 - 9h05</b>	<b>Introduction by Mr Alain BOVIS, ATMA President</b>
<b>Session 3 : Hydrodynamics. Chairman Philippe Goubault</b>	
<b>9h05 - 9h35 6</b>	<b>Method for estimating the Added Resistance in Waves (Mathieu Kergoat, SIREHNA)</b>
<b>9h35 – 10h05 7</b>	<b>Method to calculate weather criteria for vessel boarding against fixed wind turbines (Laurent Barthelemy, ENSM)</b>
<b>10h05 – 10h35 8</b>	<b>Investigation of the structural-acoustic coupling of marine propellers under free vibration conditions (Mahrez Ait Mohammed, DGA TH)</b>
<b>10h35 – 11h05 9</b>	<b>Development and validation of a method for assessing the passage of bubbles on hull sensors (Arthur Piquet, DGA TH)</b>
<b>11h05 – 11h30</b>	<b>Coffee break</b>

<b>Session 4 : Ship stability. Chairman Yann Doutreleau</b>	
<b>11h30 - 12h00 10</b>	<b>Point of application of efforts, possible use for the stability domain (Jean-François Leguen, DGA TH, Jean-Yves Billard)</b>
<b>12h00 – 12h30 11</b>	<b>Checking in-service, through measurement, of ship stability calculations (Alain Cota)</b>
<b>12h30 – 14h30</b>	<b>Lunch break</b>

<b>Session 5 : Applications to military ships. Chairman Emmanuel Cosse</b>	
<b>14h30 - 15h00 12</b>	<b>Fouling in the design of military ships (Hélène Bigaud, Naval Group)</b>
<b>15h00 – 15h30 13</b>	<b>IPMS Emerging use case for IPMS data exploitation systems (Hélène Bigaud, Naval Group)</b>
<b>15h30 – 16h00 14</b>	<b>Remote preparation assistance : example of Picomto software tested in the French Navy (Jean-Marc Quénez, SSF)</b>
<b>16h00 – 16h30 15</b>	<b>Reusing Inconel® 625 in additive manufacturing by laser fusion on a powder bed (Léandra Hérel, Naval Group)</b>

<b>Séance 6 : History. Chairwoman Marie-Christine Méchet</b>	
<b>16h30 - 17h00 16</b>	<b>From submersibles to AUV (Gilles Chatry, IFREMER)</b>