Seminar on Lightweight Applications at Sea

29-30 January 2020
Atlantic Hotel Universum, Bremen, Germany

E-LASS #11 MEETS
MARILIGHT #2 MEETS
RAMSSES GENERAL ASSEMBLY #7
Who we are

E-LASS

Founded in 2013, E-LASS is a well-established European network for Lightweight Applications at Sea with approx. 400 members in 30 countries.

Twice a year, the E-LASS members and RAMSSES partners meet for a seminar and industry tour to discuss innovative solutions and to enhance the use of lightweight materials within maritime and offshore industry.

MariLight.Net

The German network MariLight was launched in March 2019. With its 60 members the young network brings together representatives of the maritime industry at a national level with the aim of further promoting the use of lightweight materials.

Through the cooperation with the E-LASS network, national future developments, results and findings will be brought to the European level.
The EU-funded project RAMSSSES is aiming to accelerate the adoption of lightweight materials and structures in shipbuilding by developing and assessing 13 close-to-market demonstrators.
In the seminar part of the E-LASS event you can look forward to interesting presentations from industry and research following the spirit “Neither too scientific nor too commercial!”

For example, Meyer Werft will present their latest developments and involvement in the RAMSSES project and cDynamics will share the story leading to the recent launch of a composite vessel in Norway.

During the dedicated Technology Transfer session the topic “Structural Health Monitoring” will be discussed with representatives from other industry sectors.

A special highlight will be the pre-presentation from both the European lightweight projects FIBRESHIP and RAMSSES, to be given at IMO in the following week.

The seminar will be complemented with an industry tour, demonstrating innovative composite applications in the region.

As the members of the German network MariLight.Net will join the upcoming event, a larger audience than usual will be welcomed!
## Agenda – 29.01.2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>12:30</td>
<td>Arrival and registration</td>
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<tr>
<td>13:00</td>
<td>Welcome reception</td>
<td>Franz Evegren (RISE - Research Institutes of Sweden)</td>
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<tr>
<td>13:10</td>
<td>MariLight – the German maritime lightweight network</td>
<td>Dr. Wibke Mayland (Center of Maritime Technologies)</td>
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<td>13:20</td>
<td>Condition monitoring in the railways sector - a basis for modern maintenance concepts</td>
<td>Felix Sorribes Palmer (V2C2)</td>
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<td>13:45</td>
<td>Structural health monitoring sensors in aeronautics: recent research and applications</td>
<td>Felix Heinrich (ZAL - Centre for Applied Aviation Research)</td>
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<td>14:10</td>
<td>Structural health monitoring in thick-walled FRP structures</td>
<td>Laurent Morel (Infracore Company)</td>
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<td>14:35</td>
<td>Structural health monitoring in the wind energy sectors</td>
<td>Dr. Andreas Nuber (Wölfel Engineering)</td>
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<td>15:00</td>
<td>Coffee break</td>
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<tr>
<td>15:40</td>
<td>Structural health monitoring of global and local elements of fibre-based vessels</td>
<td>Cristobal Garcia (TSI)</td>
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<td>16:00</td>
<td>Structural Health Monitoring of ships and of composite ship domes with structural-acoustic purposes</td>
<td>Giovanni Cusano (Cetena)</td>
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<td>16:20</td>
<td>Bonded composite repair methodologies - latest advancements and developments</td>
<td>George Kanterakis (GMI Aero)</td>
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<td>16:45</td>
<td>Introducing the Fraunhofer IFAM</td>
<td>Dr. Markus Brede (Fraunhofer IFAM)</td>
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<td>17:00</td>
<td>Visit of Fraunhofer IFAM</td>
<td>Institute for Manufacturing Technology and Advanced Materials</td>
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<td>19:30</td>
<td>Joint Dinner</td>
<td>Sponsored by Meyer Werft</td>
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## Agenda – 30.01.2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:45</td>
<td>Arrival and registration</td>
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<tr>
<td>09:10</td>
<td>Lightweight design – Hype vs. real industrial demands</td>
<td>Kai Steinbach &amp; Thomas Heber (LZS GmbH)</td>
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<td>09:30</td>
<td>The development and approval process of the first GRP car ferry in Norway</td>
<td>Knut Inge Edvardsen (cDynamics) &amp; Kujtim Ukaj (RISE - Research Institutes of Sweden)</td>
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<td>10:10</td>
<td>Development of a lightweight composite gangway for the offshore access market</td>
<td>Siebert Frielting (Ampelmann Operations)</td>
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<td>10:30</td>
<td>Coffee break</td>
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<td>11:00</td>
<td>Sargasso and its integration into the E-LASS network</td>
<td>Andreas Bach (RISE - Research Institutes of Sweden)</td>
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<td>11:30</td>
<td>Development of modular composite walls in the RAMSSES project</td>
<td>Arthur Thellmann (Meyer Werft)</td>
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<td>11:50</td>
<td>Joining forces: FIBRESHIP and RAMSSES projects to present a common approach to safeguard Safety of Composite Ships at the upcoming IMO SDC7 session</td>
<td>Alfonso Jurado (TSI), Matthias Krause (Center of Maritime Technologies), Stéphane Paboeuf (Bureau Veritas)</td>
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<td>12:25</td>
<td>Discussion and feedback round regarding IMO presentation</td>
<td>All</td>
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<td>12:45</td>
<td>Lunch Break</td>
<td>Provision of lunch packages “to go” for the tour (tbc!)</td>
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<tr>
<td>12:30</td>
<td>Industry tours</td>
<td>Industry tours to Daimler, Airbus or DGzRS*</td>
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*Due to restrictions on visitor numbers per facility, participants will be divided into smaller groups and assigned to a specific destination. We will be happy to try to accommodate preferences, but no guarantee is given.*
Visit of Daimler Production Site
15:00 – 17:00

2nd largest production site of Daimler.
Tour incl. the production of a car from
the very start (steel parts) to finalisation.

Bus transfer schedule:
14:15 - Hotel Atlantic Universum
15:00 – Daimler visit (2hrs)
17:25 – Bremen Central station
17:45 – Airport
18:15 – Hotel Atlantic Universum
DGzRS tour – 30.01.2020

Visit of the German Maritime Search and Rescue Service
14:00 – 15:30

Visit of the headquarter and the Maritime Rescue Coordination Centre of the Society

The German Maritime Search and Rescue Service is responsible for Search and Rescue in German territorial waters in the North Sea and the Baltic Sea, including the Exclusive Economic Zone.
Airbus industry tour – 30.01.2020

Visit of Airbus production site
14:00-16:00

Tour includes an introduction to the history of Airbus and visit of certain production lines, e.g. assembly.

Information required until Jan 8th:
First name, second name, date of birth, place of birth, nationality

Bus transfer schedule:
13:15 – Hotel Atlantic Universum
14:00 – Airbus visit (2hrs)
16:15 – Bremen Airport
16:35 – Bremen Central Station
16:55 – Hotel Atlantic Universum

Fully booked
Hotel Recommendations

Atlantic Hotel Universum****
Wiener Strasse 4
28359 Bremen

Business rate
single: € 93
double: € 123
breakfast incl.

For bookings via phone/ mail use booking reference/ promotion code: “IFAM-CMT”

For bookings via website also indicate group code: “IFAM” (see screenshot)

Rooms available until Dec 18th, 2019
Hotel Recommendations

Munte am Stadtwald****S
Parkallee 299
28213 Bremen

single: € 99 / € 121
double: € 119 / € 141
(standard / deluxe)

Booking reference: “Fraunhofer”
Hotel Recommendations

7things - my basic hotel**
Universitätsallee 4
28359 Bremen

single: € 62
double: € 73
breakfast € 6,50 p.P.

Booking reference: “Fraunhofer IFAM”
Registration

To register for the event please visit: https://e-lass.eu/e-lass-in-bremen
Sponsorship packages

If you want to use this event as an opportunity to present your company, we offer exclusive sponsorship packages. Also, Logo on website and event program are always included for sponsors.

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<tr>
<th><strong>Transportation</strong></th>
<th><strong>Lunch/ Dinner Sponsor</strong></th>
<th><strong>Table break promotion</strong></th>
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<tbody>
<tr>
<td>Transportation is a vital part of organising an E-LASS event, especially the bus transfers for the industry tours.</td>
<td><strong>Lunch sponsors</strong> are mentioned accordingly before lunch. <strong>1.000 € + VAT</strong></td>
<td>Bring marketing materials (brochures or leaflet) and put it on a table for everyone to see during the breaks.  An E-LASS event is a fantastic opportunity to promote your company! <strong>1.000 € + VAT</strong></td>
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<tr>
<td>By sponsoring our transportation you can promote your company during the E-LASS event.</td>
<td><strong>Dinner sponsors</strong> get extra visibility and are highlighted through signage at every table during dinner. <strong>1.500 € + VAT</strong></td>
<td><strong>Table break promotion</strong></td>
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<td><strong>500 € + VAT</strong></td>
<td><strong>1.000 € + VAT</strong></td>
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If you are interested, please contact us: ladage@cmt-net.org / alexander.hertzberg@ri.se
Looking forward to seeing you in Bremen