



Welcome to

E-LASS

The European network for Lightweight Applications at Sea

Bremen 29-30 Jan 2020

Hosted by  **Fraunhofer**
IFAM

Sponsored by  **MEYER WERFT**
PAPENBURG 1795

Co-organized with



RISE
INSTITUTES

Franz Evegren
RISE Research Institutes of Sweden
Safety & Transport
Fire Safe Transport

Four are one: RISE Research Institutes of ~~Sweden~~

The institutes **SP**, Innventia, Swedish ICT and Swerea have merged into RISE, in order to become a stronger research and innovation partner for businesses and society.



Facts about RISE

- Turnover ~300 million Euro
- 2 300 employees, 30 % PhD
- SME clients responsible for approx. 30 %
- RISE is owner/partner in over 100 unique test beds and demonstration facilities

The RISE logo, consisting of the letters 'RI' stacked above 'SE' in a large, bold, black sans-serif font. A small green square is positioned between the 'I' and 'S'.

E-LASS History



2005-2009



RI
SE



2010

MSC87 – UK proposes IMO agenda item

2015

MG-2-2-2016

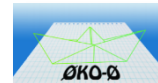
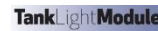
2017-2021

2017

Adoption of MSC.1/Circ.1574 “Interim Guidelines for use of FRP elements within ship structures: Fire Safety Issues” Interim = Review after four years



2010...



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E-LASS
Since 2013

E-LASS History

- 11. Jan 2020, IFAM Bremen, Germany**
- 10. June 2019, *aimen* Vigo, Spain
- 9. January 2019, *PodComp* Piteå, Sweden
- 8. June 2018, *CdA* Pornichet, France
- 7. January 2018, *RISE* Borås, Sweden
- 6. October 2017, *Uljanik* Pula, Croatia
- 5. November 2016, *SAPA* Finspång, Sweden
- 4. November 2015, *Damen* Gorinchem, Netherlands
- 3. January 2015, *Soton* Southampton, England
- 2. March 2014, *Meyer Werft* Papenburg, Germany
- 1. October 2013, *RISE* Borås, Sweden – *Kick-off*



400 members from 30 nations

No member fee and low cost events – Sponsors!

"Not too commercial – not too scientific"

E-LASS "Family"

11. Jan 2020, IFAM Bremen, Germany

In loving memory of Tord Gustafsson



E-LASS
400 members from 30 nations

		Seminar on Structural Health Monitoring	Technology Transfer
12:30	13:00	Arrival and registration	
13:00	13:10	Welcome reception	Franz Evegren (RISE - Research Institutes of Sweden)
13:10	13:20	Marilight – the German maritime lightweight network	Dr. Wibke Mayland (Center of Maritime Technologies)
13:20	13:45	Condition monitoring and fault diagnosis of vehicle components with onboard sensors in the railway sector	Félix Sorribes Palmer (v2c2)
13:45	14:10	Structural health monitoring sensors in aeronautics: recent research and applications	Felix Heinrich (ZAL - Centre for Applied Aviation Research)
14:10	14:35	Structural health monitoring in thick-walled FRP structures	Laurent Morel (Infracore Company)
14:35	15:00	Structural health monitoring in the wind energy sectors	Dr. Andreas Nuber (Wölfel Engineering)
15:00	15:40	Coffee break	
15:40	16:05	Bonded composite repair methodologies – latest advancements and developments	George Kanterakis (GMI Aero)
16:05	16:25	Structural health monitoring of global and local elements of fibre-based vessels	Cristobal Garcia (TSI)
16:25	16:45	SHM of ships and of composite ship domes with structural-acoustic purposes	Giovanni Cusano (Cetena)
16:45	17:00	Introducing the Fraunhofer IFAM	Dr. Markus Brede (Fraunhofer IFAM)
17:00	18:00	Visit of Fraunhofer IFAM	Institute for Manufacturing Technology and Advanced Materials
19:30	22:00	Joint Dinner	Sponsored by Meyer Werft



		Seminar on Lightweight Applications	
08:45	09:10	Arrival and registration	
09:10	09:30	Lightweight design – Hype vs. real industrial demands	Kai Steinbach & Thomas Heber (LZS GmbH)
09:30	10:10	The development and approval process of the first GRP car ferry in Norway	Knut Inge Edvardsen (cDynamics) & Kujtim Ukaj (RISE - Research Institutes of Sweden)
10:10	10:30	Development of a lightweight composite gangway for the offshore access market	Siebert Frieling (Ampelmann Operations)
10:30	11:00	Coffee break	
11:00	11:15	Sargasso and its integration into the E-LASS network	Andreas Bach (RISE - Research Institutes of Sweden)
11:30	11:50	Development of modular composite walls in the RAMSSES project	Arthur Thellmann (Meyer Werft)
11:50	12:25	Joining forces: FIBRESHIP and RAMSSES projects to present a common approach to safeguard <i>Safety of Composite Ships</i> at the upcoming IMO SDC7 session	Alfonso Jurado (TSI), Matthias Krause (Center of Maritime Technologies), Stéphane Paboeuf (Bureau Veritas)
12:25	12:45	Discussion and feedback round regarding IMO presentation	All
12:45	13:30	Lunch Break	Provision of lunch packages "to go" for the tour (tbc!)
12:30	16:30	Industry tours	Industry tours to Daimler, Airbus <u>or</u> DGzRS*



The logo for E-LASS features the text "E-LASS" in a bold, blue, sans-serif font. A small orange triangle is positioned above the letter "L". The entire logo is centered on a white background.

E-LASS

Sponsor the event

Logo on website and program - always included for sponsors



Transportation sponsoring

500 € + VAT

Learn more



Transportation is a vital part of organising an E-LASS event, especially when it comes to industry tours which usually require busses. By sponsoring* our transportation you can promote your company during the E-LASS event while helping participants to get where they need to be.

* As a sponsor, your logo is always included on the E-LASS website and in the event program.

Contact [Alexander Hertzberg](#) if you are interested in sponsoring the event



Lunch OR Dinner sponsoring

1000 - 1500 € + VAT

Learn more



Promote your company by sponsoring lunch or dinner!

***Lunch sponsors** (1000 € + VAT) are mentioned accordingly before lunch.

***Dinner sponsors** (1500 € + VAT) get extra visibility and are highlighted through signage at every table during dinner.

* As a sponsor, your logo is always included on the E-LASS website and in the event program.

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Table break promotion

1000 € + VAT

Learn more



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!

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Welcome to the next E-LASS event in
Vlissingen, Netherlands, 22-23 June



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Thank you for your attention!