

LIGHTer International Conference

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GOTHENBURG 22-23 NOV

LIGHTer

Hosted by Swerea



LIGHTer is a leading multi-sectorial lightweight arena, that effectively creates competitiveness on behalf of Swedish industry. LIGHTer membership programme invites you to submit an abstract to LIGHTer International Conference 2017 in Gothenburg, Sweden. The main theme of the conference is "Future lightweight solutions for multi-sectorial industrial use".

A new generation of lightweight solutions will need to combine the development of materials, processes and design in an integrated way. Several industrial sectors face the same challenges.

Research groups need to work with a common focus and chains of collaboration need to be strengthened at all levels – between industrial sectors, between OEMs and their suppliers, between institutes and universities, and between authorities and stakeholders within the field.

Gothenburg is the heart of western Sweden where leading lightweight products such as cars, trucks, aircraft engines, marine vessels, and offshore- and shipping equipments are produced. The conference venue will be Arken Hotel & Art Garden Spa right in Gothenburg. We are looking forward to seeing you there!

Ingegerd Annergren, Section Manager
Materials Technology and Corporate Standards, Scania
(Chairman of the Board of LIGHTer)

Call for Abstracts

Be an inspiring part of LIGHTer International Conference 2017 by taking the chance to share your knowledge where future lightweight solutions really are top of mind.

LIGHTer International Conference, 22-23 November 2017, is a two day conference, lunch to lunch including conference dinner and an optional field trip at the end of day two. The final programme will be available end of May.

A conference in four sessions

Session A 50% lighter with lower costs

This session focuses on how lower costs contribute to more lightweight solutions. Examples of materials development, design and manufacturing as well as how digitalization can lead to new business models and new business logic based on lightweight perspective, will be presented.

Session B 50% lighter with shorter development times

This session focuses on innovative design methodologies and strategies for shortened design time of lightweight components. Examples of activities covered by the session are ranging from concrete success stories, enhanced use of improved numeric simulation methodologies and materials modelling.

Session C 50% lighter using mixed materials

This session focuses on achieving optimal performance by combining different materials in lightweight components. Key challenges are efficient and reliable joining without losing product properties, possibilities to predict product properties by simulation and calculations as well as strategies for circular manufacturing.

Session D 50% lighter using improved properties and innovative solutions

This session focuses on lightweight innovations and related research activities that provide substantial weight reductions on the systems level. Such innovations and research activities may comprise e.g. multifunctional lightweight materials, integrated structural designs and novel hybrid material concepts, e.g. composites that yield.

What is LIGHTer International Conference?

The previous LIGHTer International Conference in 2015 attracted close to 100 participants from 10 countries. The main theme was "Future lightweight solutions for multi-sectorial industrial use". Many international leading industries and research institutes participated and took the opportunity to network and establish international contacts. The four keynote speakers came from GKN Aerospace (UK), SGL Carbon (Germany), Damen Shipyards (The Netherlands) and Volkswagen (Germany).



Location/Accommodation

The conference will take place at Arken Hotel & Art Garden Spa located close to the port of Gothenburg, just 15 minutes from the city centre and with the beautiful nature right outside. With everything under one roof, you can quickly and easily make your way between the conference facilities, restaurant and hotel.

Conference fee: (excl VAT) € 690 (SEK 6 900) LIGHTer member € 550 (SEK 5 500)

PhD student: € 160 (SEK 1 600) (No early bird discount)

Early bird fees until 4 September 20% discount

Send your abstract to info@lighterarena.se

To cover all aspects of future lightweight solutions we encourage abstracts from both academia and industry presenting the latest scientific results and industrial achievements. Deadline for receipt is 15 May 2017.

Further information

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