



Dear Reader,

Our summer vacation period is over, we are back in business and we have a new colleague in our Team! At DYNAmore Nordic we are fortunate to be fully operational including support, consulting, webinars and online seminars. We hope you are in good health and will continue to stay safe. Happy reading!



New LS-DYNA Software Developer at DYNAmore Nordic

For us, the growth of our software development group is a key component to further improve the LS-DYNA software for automotive applications and to provide expert level support to you, our customers. Today, we welcome Dr. Johannes Främby who will work with development of LS-DYNA in the software development group in Gothenburg. He has a Ph.D from the division of Material and Computational Mechanics at Chalmers. His research has been in the area of simulation methods for composites in vehicle crash applications, with special focus on developing computationally efficient methods. With his research background, he provides additional strength to the development group.



LS-DYNA R12 is released

It is the latest development with the latest features and performance improvements. Later, preliminary October, we will give a webinar on R12 and all the new features. LS-DYNA R12.0.0, with release notes and manual is available for download now for all platforms, from our [software server](#). Please note that to be able to run LS-DYNA R12 you need an updated license file. Please contact our [Support](#) and state that you would like to have your license file updated to R12.



Supplying BMW Group with LS-DYNA

Together with ANSYS, DYNAmore is supplying the BMW Group with LS-DYNA for passive safety system development in the next generation of safe, high-performance vehicles. LS-DYNA empowers users to optimize the design and analysis of passive safety systems — supporting more accurate predictions of vehicle behavior during collisions. "The thorough and in-depth analysis of the methods and algorithms in LS-DYNA initiated by the BMW Group was a very demanding project for us" says Ulrich Franz, Managing Director of DYNAmore. "The specific requirements of BMW Group with regards to the technical functionality and the integration into the existing processes and workflows were the main challenges that could only be met with great effort in all respects. DYNAmore works as an ongoing partner in software development, method development, user support and as an expert in materials science." Read the [full article](#) on Ansys' website.

Master theses using LS-DYNA

A large number of Master Theses are produced every year that use LS-DYNA as the simulation tool. To facilitate the process of finding work related to your own and become inspired with what can be achieved through advanced simulation, we have collected the Master Theses known to us in a list that you can access on [our web](#).





Human Body Model Positioning with Oasys LS-DYNA Environment



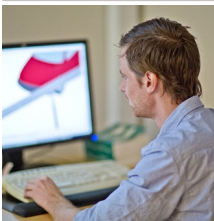
*GHBMC M50-Occupant v5.0 being positioned

Human body modelling offers exciting opportunities in simulation, particularly in automotive development. The Oasys LS-DYNA software offers comprehensive tools for human body modelling including the provision of dummy trees for the industry-leading GHBMC and THUMS models. These trees allow users to achieve realistic articulation and positioning of complex Human Body Models to prepare them for dummy positioning analysis in LS-DYNA. Please [follow this link](#) to the recent webinar on *Human Body Model Positioning using the Oasys LS-DYNA Environment*. The HBM dummy trees are free of charge for Oasys PRIMER customers. To request them, or to discuss purchasing the Oasys Software, please contact our [Sales Team](#).

Papers Available



Many of the presentations from the *16th International LS-DYNA Conference - Virtual Event 2020* are presented on www.dynalook.com. Please follow this link [this link](#) to view the full list. Enjoy!



Webinar & Seminar Schedule

We will continue to offer our seminars online as long as the pandemic prevents us from meeting in person. We believe that we are able to provide compatible seminar experiences with interactive teaching, seminar material and examples. Scroll down for a short list of upcoming webinars/seminars or visit our [website](#) for a full list of available webinars/seminars and content descriptions.

September

03

WEBINARS by *DYNAmore Nordic, Sweden*

[Belt modeling in LS-DYNA](#)

10

[Introduction to the LS-DYNA Implicit Guideline](#)

24

[From Explicit to Implicit models](#)

September

16

SEMINARS by *DYNAmore Nordic, Sweden*

[Introduction to ICFD solver](#)

22-24

[Introduction to LS-DYNA](#)

29-30

[Contacts in LS-DYNA](#)

29-30

[Introduction to ANSA & mETA](#)

October

01

[ANSA CFD meshing, intro course](#)

13-14

[Joining Techniques in LS-DYNA](#)

20-21

[Introduction to Passive Safety in LS-DYNA](#)

20-22

[Introduction to LS-DYNA](#)

fall of 2020

DYNAmore Express and **LS-DYNA Compact** by *DYNAmore GmbH, Germany*

The [seminar website](#) will be updated.

LATEST RELEASES



LS-DYNA R12.0.0 /

ANSA 20.1.2

Femzip 10.68

R9.3.1

Diffcrash 6.1.37

FormingSuite 2020.0

LS-OPT 6.0

Digimat 2020 FP1

Moldex3D 2020 R1

LS-PrePost 4.7

Dynaform 6.0

Oasys 17.0

LS-TaSC 4.2

LSTC-WinSuite R11.1

Best regards/Med vänliga hälsningar

DYNAmore Nordic

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