Newsletter, issue 51 May 26, 2020

Dear Reader,

We are very happy to have filled this issue with lots of interesting reading and truly hope it finds you in good health. Spring has finally arrived and made the trees put on their green suits again. Wonderful! Enjoy the reading and stay safe!

We are, as always, ready for your support questions!

Our workplaces are mobile since many years and our staff can work efficiently from almost anywhere. Therefore, Corona has had no effect on our capacity to provide services and products. We are also fortunate to not have anyone ill.
As a reminder, to contact our support send an e-mail to Support or call +46 (0)13 236680. Welcome with your support issues & stay safe!

Nextcomp makes it easier to test new materials.

In the latest issue of the magazine: *Fordonskomponenten* there is an interesting interview with our Research Manager Mats Landervik about Nextcomp. Nextcomp is a LIGHTer project with the aim to shorten the material modelling process for lightweight materials. The article is found on page 19 in the magazine on FKG's website. *Please note! The article is in Swedish.*

Guideline for User Defined Features in LS-DYNA

In addition to the rich offering of built-in features for multi-physics analyses, LS-DYNA also has many possibilities for user defined features, for example materials, friction models, elements and loadings. This makes it possible to incorporate augmented functionality, new features or customized developments, via user subroutines. In an attempt to make these user defined features more readily available, a Guideline has been developed, including quite detailed descriptions of some common features and examples in the form of Fortran code with accompanying LS-DYNA keyword files.
The guideline is available to our customers, on our Client Area.

Interested in new applications?

LS-DYNA is a multi-physics solver where you can simulate most of your load cases for your products. LS-DYNA include solver techniques for explicit, implicit, CFD, thermal, EM, discrete elements for :

- Crash & impact
- Drop tests
- Overload
- Manufacturing
- Static
- Vibrations
- Explosions
- CFD

If you are interested in new simulation techniques please contact our Support and we will help you getting started.

Increased number of presented webinars

As you might have noticed, we are trying to compensate for the fact that we have limited possibilities to meet with you in person by increasing the number of presented webinars. Judging by the number of participants there is a huge interest from our customers in learning more about our different software and their applications. If you for some reason not are able to participate, the presentations and examples will be posted on our Client Area, where all DYNAmore Nordic customers have access. You will also find previously presented webinars and our guidelines at that location. If you don't have access to the Client Area, please contact our Support.

Office Unmanned/Reduced Service, July 20 - August 2

Please note that our office is closed July 20 - August 2, due to the summer vacation period. If you should be in need of our support during this period please send an email to Support. Please accept a longer response time than usual.
Thank you for your understanding!

Latest features of GISSMO damage model in LS-DYNA

Watch this seminar, by our German colleague Tobias Erhart, to get to know the latest features of the GISSMO damage model available in LS-DYNA, via the *MAT_ADD_DAMAGE_GISSMO keyword. Topics discussed are limitation of damage, mid-plane failure, stochastic distributions, tailored properties, mapping in process simulation, "crashfront" method, temperature dependence, bending indicator, and others.

Free online - 16:th International LS-DYNA-conference!

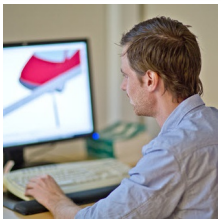
We are pleased to invite you to the 16:th International LS-DYNA-conference. It is a free online event. Take the chance to listen to senior developers of LS-DYNA like Roger Grimes & Thomas Borrvall, ANSYS president Ajei Gopal, Prof. Thomas J.R. Hughes, and experts from industry and academia.
We at DYNAmore Nordic are authors or contributors to 8 papers and most are made in cooperation with our customers. Finally - remember to register on the conference website - Welcome!

LS-DYNA Forum 2020 - Postponed

Due to the situation caused by the coronavirus our German colleagues decided to postpone their forum for one year. The event will take place in Ulm, Germany, from October 5-6, **2021** as European Conference. Planning is underway to arrange a smaller event this fall. We will keep you up to date and hope for your understanding.

Nordic LS-DYNA User's conference - Call for Papers

We are happy to invite You to submit your presentation to the Nordic LS-DYNA Users' Conference on October 5-6, 2020. LS-DYNA users will meet in Gothenburg where numerous user presentations on LS-DYNA and LS-OPT application areas are expected. Visit the conference website for further details.
Deadline for submission: May 31
Language: English



We miss meeting you in person

Until current global covid-19-restrictions are lifted, DYNAmore Nordic will continue to run our seminars online. We truly believe that we will be able to provide compatible seminar experiences with interactive teaching, seminar material and examples. Register as usual via our website.

WEBINARS & SEMINARS *by DYNAmore Nordic, Sweden*

WEBINARS
June
2 LS-DYNA Memory Management

SEMINARS Online
May
26-27 Material Models in LS-DYNA
28 User Defined Materials in LS-DYNA

DYNAMORE EXPRESS Online *by DYNAmore GmbH, Germany*

May
29 Good old *MAT_024, a review of LS-DYNA's most popular material model
June
05 Beyond FEA - The Element-free Galerkin Method

LATEST RELEASES

LS-DYNA R11.1.0 / R9.3.1
LS-OPT 6.0
LS-PrePost 4.7
LS-TaSC 4.1
LSTC-WinSuite R11.1

ANSA 20.1.1
Diffcrash 6.1.37
Digimat 2019.1
Dynaform 6.0

Femzip 10.68
FormingSuite 2020.0
Moldex3D 2020 R1
Oasys 17.0

Best regards/Med vänliga hälsningar
DYNAmore Nordic

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