

DAMRC newsletter no. 5 2012

– Christmas Edition

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Should you want to learn more about project collaboration with the DAMRC and what the DAMRC can do for you and your business you are most welcome to contact Klaus Bonde Ørskov - kbo@damrc.com

The DAMRC wishes all the members and partners Merry Christmas and Happy New Year.



Content

In this newsletter you will have the opportunity to read about some of the DAMRC 2012 highlight. Furthermore the DAMRC are welcoming two new members. A new project is also presented and last but not least we take a look at some of the many interesting activities that already now seems to shape the year 2013.

2012 in review

At the beginning of 2012 the DAMRC elected a new chairman of the board - Andreas Bürger, Head of Engineering Competence Center Industrialisation, Turbine R&D, Vestas. At the same time Klaus B. Ørskov was promoted CEO of DAMRC and was thereby given the full responsibility of the daily operation and i.a. also the responsibility of being the official face of the DAMRC.

The DAMRC is continuously working hard to be the ultimate networking partner within advanced manufacturing technology and is continuously expanding the network with knowledge institutions as well as manufacturing companies. The DAMRC has today established collaborations with multiple internationally recognized scientists and technology experts. The DAMRC network is now counting more than 30 knowledge institutions and technology centers, national and international.



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With the DAMRC being a part of Boeings global network of R&D centers, that counts more than 15 centers, this further underpins the strength and size of the DAMRC network.

During the year of 2012 the 5 new members joined the DAMRC bringing the total number of members of the DAMRC to 25.

The new members are Virtuellet Videncenter, the municipality of Vejle and Innovation MidtVest, who all have been mentioned in earlier newsletters. The latest new members are AH Industries and Syddansk Erhvervsskole.

During 2012 the DAMRC has evaluated several interesting technologies with the aim of obtaining faster, better, cheaper and greener production. Among others the following can be mentioned: Vibratory Stress Relief, Machining in Cryogenic Conditions, Copper Machining, Machining Strategy Solutions and Machining of rare alloys.

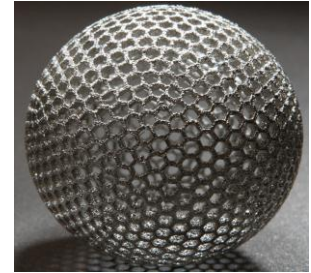
It is expected that more of the above-mentioned technologies will be part of generic projects with participation of several DAMRC members during the year of 2013.

Syddansk Erhvervsskole

The municipality of Vejle joined the DAMRC in 2012 and the cooperation has already paid off for both the municipality of Vejle and the DAMRC, as the DAMRC and the municipality of Vejle have been visiting several local manufacturing companies and the local "vocational school" (*teknisk skole*). Inspired by the interesting activities that the DAMRC has already implemented together with Centres of Excellence and Virtuellet Videncenter, the Syddansk Erhvervsskole has chosen to join as member. This strengthens the possibilities of the DAMRC to contribute further to the content of the curriculum with new knowledge on advanced manufacturing technology to the benefit of future industrial technicians and CNC-operators. DAMRC is looking forward to a good cooperation with Syddansk Erhvervsskole.

AH Industries

The new DAMRC-member AH Industries is one of the larger Danish sub-contractors in the wind industry delivering a wide range of machined parts. Hereby the DAMRC has another member in the supply chain of the wind industry and with the founding partners of the DAMRC - counting the world leading wind turbine manufacturer and another of the largest Danish subcontractors to the wind industry in Denmark. The DAMRC has now strengthened its possibilities with respect to optimization of machining operations in connection to the wind industry value chain.



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Vagn Pedersen Maskinfabrik

The DAMRC has just started a project regarding optimization of machining processes at Vagn Pedersen Maskinfabrik, Horsens. Kyocera Unimerco is also attending the project, which is expected to run throughout 2013.



Info om Genvej til Ny Viden –
<http://genvejtilynviden.au.dk>
En ordning administreret af
Aarhus Universitet CEI

New DAMRC-inspired educational module at CoE

With the focus on improving the competitiveness of the Danish manufacturing industry through new knowledge on advanced manufacturing, the DAMRC has in cooperation with Centers of Excellence developed new educational material for the excellence-program. The educational material has already been presented to a focus group of teachers and students. The material was evaluated very positively. The training module is targeting students on the education of industrial technicians and is expected to be launched in April 2013.



This is a good example of how the DAMRC with knowledge on advanced manufacturing technology can strengthen educations, targeting the needs of the industry.

Strong support for the DAMRC

The DAMRC still has a strong support from all members. After a “trial period” of 3 years the 10 founding partners are still here and 15 new members have joined. This shows the solid support to the DAMRC and in the future the DAMRC will also strive towards being a world class research and development center for advanced manufacturing technology, developing and transforming the latest knowledge into practical solutions in close cooperation with universities and “vocational schools” to the benefit of the global competitiveness of the Danish manufacturing industry.



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The year to come

In 2013 the DAMRC will focus even more on R&D projects within manufacturing technology and the DAMRC will therefore hire a technology director, who can contribute to secure the highest quality in all new projects. The DAMRC expects to start 2-3 new generic R&D projects within machining – with participation of several DAMRC members. Furthermore it is expected that the DAMRC can establish 2-3 study projects, also with focus on machining, for mechanical engineers at the level of BSc. and/or MSc. As a consequence of this the DAMRC is looking for students as well as new employees with competences within machining and likely with an education within mechanical engineering.

During 2013 the DAMRC will conclude 6 of the ongoing development projects and it will be interesting to follow if e.g. the City of Randers gets a new manufacturer of helicopters, if the City of Herning gets a new manufacturer of a new propulsion technology for marine vessels. It will also be interesting to follow the productivity gains at the manufacturing companies, with whom the DAMRC has worked together with regarding implementation of new technology with the scope of optimizing their production.



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Kind regards

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