

## DAMRC Newsletter – 2/ 2016



We wish you and your colleagues the very best summer.

In case you should find yourself in need of our assistance during the summer, please do not hesitate to get in touch. The only time the office is closed is from July 25-31 due to vacation.

In this newsletter, you will find a link to our scientific paper – the first one published in our name. The paper is in English and addresses the challenges on ceramic machining Inconel 718. In addition, you can read about our newly elected Board of Directors, an even closer collaboration between Aarhus University and the DAMRC and you will find a very warm welcome to our newest members. Happy reading.



### Board of Directors

On April 20, DAMRC held the ordinary annual General Assembly. On that occasion, the participants elected Niels Jørgen Nielsen, Mill Part as member of the Board of Directors. Søren Rossen Bech, Runi and Kenneth Mikkelsen, Erhvervsrådet Herning and Ikast-Brande was reelected and Phillip Schneider, Boeing was elected as observer.

The complete Board of Directors:

Søren Rossen Bech, Chairman  
(Technical Director, Runi A/S)

Thomas Skjødeberg Toftegaard, Vice Chairman  
(Head of Department of Engineering, Aarhus University)

Niels Torbensen  
(CEO, Yamazaki Mazak Danmark A/S)

Kenneth Mikkelsen  
(CEO, Business Development Center Herning and Ikast-Brande)

Carsten Risom  
(Director R&D, Kyocera Unimerco A/S)

Niels Jørgen Nielsen  
(CEO, MillPart A/S)

Jørgen Krogh, observer  
(Director of Town, Commercial & Culture, Herning Kommune)

Phillip Schneider, observer  
(Regional Director, Boeing International A/S)



### Cooperating with Aarhus University

At the DAMRC, we are very proud that a long-lasting collaboration with Aarhus University has been further enhanced with DAMRC being a part of the future strategy, Strategy 2020, for AU Department of Engineering. We are looking forward to the future collaboration. Please, feel free to read the complete strategy paper here [http://www.damrc.com/?page\\_id=1176](http://www.damrc.com/?page_id=1176).



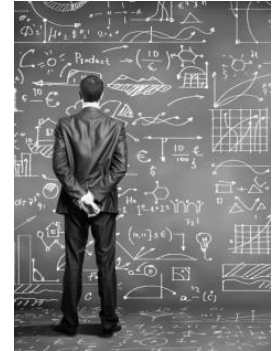
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## Scientific paper is published

In a close collaboration with Mondragon University, Spain, the DAMRC has published a scientific paper addressing the challenges on machining Inconel 718. We are proud of the publication and the results addressed in the paper.

Based on the fact, that use of Inconel 718 is increasing in aerospace and wind energy industries makes it relevant to focus on optimization of productivity when machining. The paper addresses exactly this matter and provides a description on how the use of ceramic tools can increase productivity immensely when machining Inconel 718. A 3D-model of the machining and a wide range of tests with round SiAION inserts have illustrated the critical parameters on i.e. production time, tool wear and chip removal.

Please, read the paper here: [Paper on Inconel 718](#)



## New equipment in the Technology Centre

On Friday June 3, we had the pleasure to have the new Mazak Integrex i-200S delivered to the Technology Centre.

We are looking forward to start using this brand new multitasking-machine and to be acquainted with the new and updated MAZATROL SmoothX CNC technology.



## New members

### Rhenus/OK

We give our warm welcome til Rhenus as they has signed up as member. Rhenus manufactures all kinds of coolants and lubricants and one of their fundamentals is to be innovative and flexible. The innovative approach that characterizes Rhenus is actually the main reason for their interest in the DAMRC. Rhenus wishes to collaborate with the DAMRC and the other members on future projects.



### Vald. Birn A/S

We are happy to welcoming Vald. Birn as member. With a total of 650 employees, Vald. Birn A/S is one of Northern Europe's largest foundry groups. The parent company was founded in 1896 and today, the group includes companies in Holstebro, Vejen, Germany and Sweden. BIRN is specialized in development, molding and machining cast iron.



In a close collaboration between the employees at BIRN and the researches and engineers for DAMRC, we will strive to optimize production parameters making BIRN able to maintain and boost the position as one of the leading players in the market.



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## Terma

Terma was one of the founding partners in the construction of the DAMRC and after a break over the last couple of years; we proudly welcome Term back as a member.

Terma was founded in 1949 and employs today about 1.100 employees at the headquarters in Lystrup, facilities in Grenaa, Copenhagen, and subsidiaries and facilities in the U.S., The Netherlands, Germany, UK, UAE, India and Singapore. Worldwide Terma is specialized in aerospace, space, defense, security and surveillance.

Together, Terma and the DAMRC will work on several projects with the over-all purpose of optimizing developing technologies in Terma's core businesses.

We offer the new members our warmest welcome and we look forward to the future collaboration.

# TERMA<sup>®</sup>

## Students

Do you remember our student, Jannik Birk-Møller? Jannik did his practice with the DAMRC this spring. He just recently finished his studies to become an AP Graduate in Production Technology and Siemens has already hired him as LEAN-assistant. We congratulate Jannik on his great results and we thank you for the cooperation so far. Wish you all the best.



## Customized courses

We offer a wide range of courses and seminars designed to pass on updated knowledge and research relating directly to the daily challenges experienced in the industry and by the employees.

We offer the possibility to design courses and seminars focusing on specific topics, company and part of workforce.

You are more than welcome to contact Lene at [len@damrc.com](mailto:len@damrc.com) or +4521545054 if you should be interested in more information on the possibilities.

Please, pay attention to our course program on [damrc.com](http://damrc.com) or follow the DAMRC on LinkedIn.



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## Support programs

At the moment, there is a wide range of different support programs available for Danish companies. At the DAMRC, we can help identifying programs that might be relevant to your company and your challenges.

Please feel free to contact Klaus Bonde Ørskov at [kbo@damrc.com](mailto:kbo@damrc.com) for further information or a discussion about the funding programs Horizon2020, Innobooster and others.

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](mailto:kbo@damrc.com)



Kind regards,  
Klaus Bonde Ørskov  
CEO

*If you receive this newsletter from a colleague and wish to register yourself for future updates from the DAMRC, simply send an e-mail to [kbo@damrc.com](mailto:kbo@damrc.com) with the text "Sign up to the DAMRC newsletter". If you have received the newsletter by mistake, you may unsubscribe at the same mail with the text: "Unsubscribe from the DAMRC newsletter".*

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