

## SIDERFORGEROSSİ AT THE DUPLEX WORLD SEMINAR & SUMMIT

12<sup>th</sup> and 13<sup>th</sup> October 2016

CCD Congress Centre Düsseldorf – GERMANY

[www.duplex-world.com/duplex2016](http://www.duplex-world.com/duplex2016)

### Event organized by KCI GmbH

On 12<sup>th</sup> and 13<sup>th</sup> October 2016, the German city of Düsseldorf played host to the Duplex World event, which once again attracted numerous international experts on the use and production of duplex steel. The high technical standard of the event was underlined by presentations of various developments and applications in the duplex world that have helped to foster the healthy expansion of collaborative relationships in global research.

The Siderforgerossi Group was able to take part in the Duplex World Seminar thanks to its active, ongoing and effective partnership with the Vicenza campus of the University of Padua, thus highlighting the direct contribution that it makes to this process.

More than ten Materials Engineers, Metallurgists and highly specialized product and process experts work in our company's Research and Development department. Everything possible is done to enhance the internal processes on a constant basis, thus ensuring that the products meet international standards and the technical requirements of each customer. To this end, in 2010 the company started working with the Department of Industrial Systems Management and Engineering (DTG) at the University of Padua. Thanks to the partnership, the Siderforgerossi Group has been able to enhance its state-of-the-art processes for special types of stainless steel, such as duplex and superduplex steel.



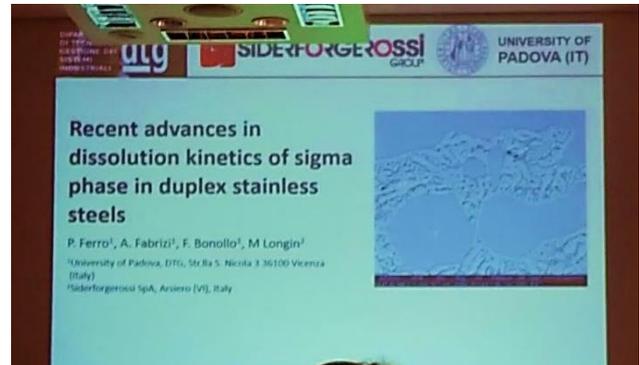
The event saw the participation of internationally renowned lecturers, researchers and members of the trade, as well as manufacturers of systems and components, designers and end users.



During the Metallurgy session on 13<sup>th</sup> October, Siderforgerossi and the University of Padua were behind two out of the five articles that were presented. They discussed the following topics:

**G. Camicia, M. Longin, P. Ferro and F. Bonollo.**

*“Effects of solution annealing temperature and quenching transfer time on austenite spacing of duplex stainless steels forgings”.*



**P. Ferro, A. Fabrizi, F. Bonollo and M. Longin.**

*“Recent advances in dissolution kinetics of sigma phase in duplex stainless steels”.*

The articles are the result of a number of years of cooperation between the University and the Siderforgerossi Research and Development department. The publications represent the state of the art in microstructure engineering, correlating its dependence with the thermal processing used to make high-quality duplex steel forged products, as required by international standards such as API 20B-C, Norsok M-630, DNV-GL RP-F112 and RP-0034.

This know-how has already been put into practice in our plants. Allowing Siderforgerossi to obtain Norsok M-650 (Rev. 4) qualifications, which includes rolled rings up to a thickness of 450mm in ASTM A182 F51, and closed die forged bodies up to 300 mm thick in ASTM A182 F53.

For further information, visit our website here: [www.siderforgerossi.com/quality](http://www.siderforgerossi.com/quality).

We would like to thank the organizers of the event and will be happy to provide our clients and partners with any additional details that may prove useful to them. We are confident that we can help to achieve even better performance in future use of our products for the most challenging purposes.

Our motto “The art of forging” sums up the Siderforgerossi Group’s goal of mapping out the future of forging and rolling the widest possible range of alloys.