

Quality assurance method for weld joints wins Swedish Steel Prize University Challenge 2015

Thomas Stenberg, a PhD student at KTH Royal Institute of Technology in Stockholm, wins the Swedish Steel Prize University Challenge 2015 with a quality assurance method for weld joints.

According to modern quality standards, the weld quality of welded joints affects the fatigue strength of components made of high-strength steel.

“Good weld quality affects the fatigue strength of components, especially important for the use of high-strength steel. The winning application is a new method for assuring the high quality in the form of longer fatigue life of weld joints,” says Gregoire Parenty, chairman of the jury and Executive Vice President and Head of Market Development SSAB.

Thomas Stenberg is now a PhD student at the department of Aeronautical and Vehicle Engineering at the Royal Institute of Technology in Stockholm, Sweden. His work will contribute to the development of software and measuring equipment for use in future industrial production lines.

The Swedish Steel Prize University Challenge is an international prize, aimed at inspiring students to learn about steel and how to design and manufacture in high-strength steel. It can be won by a team of students at any university who has come up with an idea for a product that includes high-strength steels, construction or wear-resistant steels, or a suggestion for a method that expands the field of application for these steels.

The Swedish Steel Prize University Challenge is being awarded for the 4th consecutive year. The winner receives a diploma, and a meeting with one of SSAB's specialists for a day.

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