

# Nordic Steel Construction Conference

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## PROCEEDINGS



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## Nordic Steel Construction Conference 2012

The first Nordic Steel Construction Conference was arranged in Stockholm in 1970. It has since been arranged more or less every third year, alternating between the Nordic countries. The last one was held in Malmö, Sweden in 2009. The NSCC 2012 is organized by The Norwegian Steel Association and The Norwegian University of Science and Technology (NTNU).

During the early years most of the attendees were from the host countries, and the presentations were primarily given in the Nordic languages. Many of the presentations were not research-heavy, but described the development and applications of new steel products. Thin-gage steel plate products and design rules for such were a recurring topic during the early years. Soon, however, the conferences got a more international flavor, and during the last decades they have attracted participants from most of the world's continents.

For this year's conference we received 225 abstracts from all over the world, which after the reviewing process has been reduced to 83 presentations. The contributions will cover most of the important issues for modern steel construction; building structures, bridges, high strength and stainless steel, connection, fire engineering and composite structures.

With the increasing world attention on sustainable construction, the steel construction industry will face increasing competition from other material systems with respect to its carbon footprint. Even though the industry has been successful with respect to recycling and reuse, steel production is a major contributor to global warming, and special attention must be made to develop new solutions and optimize the use of steel. For this reason NSCC 2012 has a special session on sustainable engineering.

Professor Per Kristian Larsen

Chairman of the Technical Committee

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Top left: Akrobaten Pedestrian Bridge, Oslo

Top right: Holmenkollen Ski Jump, Oslo

Down left: Ypsilon Pedestrian Bridge, Drammen

Down right: IT Fornebu, Bærum

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