



ELSEVIER

Contents lists available at ScienceDirect

Journal of Constructional Steel Research

journal homepage: www.elsevier.com/locate/jcsr

Editorial

Stainless steel has unique properties, combining intrinsic durability and aesthetics with strength, ductility, formability and fire resistance. Over recent years, structural research programmes across the world have led to the development of national and international specifications, codes and standards spanning the design, fabrication and erection processes. The high material cost of stainless steel justifies continuing research to enable maximum exploitation of its properties in structural applications. Additionally, the shift towards more sustainable development is opening up new opportunities for structural stainless steel, both in the construction of plant for energy generation and in thermally-efficient buildings.

This special issue of the Journal of Constructional Steel Research brings together the papers presented at the Stainless Steel in Structures Third International Experts Seminar, organised by The Steel Construction Institute and held in Ascot on 29–30 November, 2007. Technical experts attended the Seminar from Australia, Hong Kong, South Africa, US, Mexico and eight European countries

to present written papers on recent research and development activities in the field of structural stainless steel. The papers describe experimental work, analytical studies and the derivation of design rules based on an assessment of the experimental and numerical work.

I would like to thank Thomas Pauly (Euro Inox), Dr Staffan Malm (International Stainless Steel Forum), Professor Staffan Hertzman (Outokumpu Research Foundation) and Dr Nicole Kinsman (International Molybdenum Association) for their generous sponsorship of the event. I am also grateful to all the authors for their support and contribution and to the editors of the Journal of Constructional Steel Research for the opportunity to publish these works.

Nancy R. Baddoo
*The Steel Construction Institute,
Ascot, UK*
E-mail address: n.baddoo@steel-sci.com.