

Books in highlight

SERIES OF INTERNATIONAL CONFERENCES ON STABILITY AND DUCTILITY OF STEEL STRUCTURES - SDSS
A SPECIAL ISSUE OF *STEEL CONSTRUCTION, DESIGN AND RESEARCH JOURNAL*,
COORDINATED BY TWO UPT PROFESSORS

Since 1974, with the first edition in London, the World wide recognized series of SDSS International Conferences have travelled around the World. The last edition, of May 2016, In Timișoara, was jointly organized by the Politehnica University, through CMMC, and Timișoara Branch of Romanian Academy, under the brands of European Convention for Constructional Steelwork-ECCS and USA Structural Stability Re-search Council (SSRC).

268 authors from 26 countries on 5 continents are contributing with 116 scientific papers, published in Volume of Ernst & Sohn /Wiley. The Chairman of that Conference was Acad. Dan Dubina, while the Scientific Secretary was prof. Viorel Ungureanu, both from Politehnica University Timișoara.

The prestigious Journal "Steel Construction, Design and Research" (Ernst & Sohn /Wiley), has published in *special issue* - No. 1, Vol.11, February 2018, under coordination of D. Dubina and V. Ungureanu, as Guest Editors, a selection of 8 papers, *in extenso* versions, considered to be among the most representative papers presented within SDSS 2016.

They are :

1. Buckling-restrained brace with high structural performance (*Mamoru Iwata, Mitsumasa Midorikawa, Kazuhisa Koyano*)
2. Buckling design of axially compressed steel silos on discrete supports (*Arne Jansseune, Jan Belis, Wouter De Corte*)
3. The "combined approach" for the design of shear diaphragms made of trapezoidal profile sheeting (*Thomas Misiek, Gerhard Huck, Saskia Käpplein*)
4. Design by advanced analysis - 3D benchmark problems. Members subject to major- and minor-axis flexure (*Ronald D. Ziemian, Jean C. Batista Abreu*)
5. Initial bow imperfections e_0 for the verification of flexural buckling according to Eurocode 3 Part 1-1, additional considerations (*Joachim Lindner, Ulrike Kuhlmann, Fabian Jörg*)
6. Experiments on the rotational capacity of beams made of high-strength steel (*Nicole Schillo, Markus Feldmann*)
7. Lateral torsional buckling design imperfections for use in nonlinear FEA (*Bert Snijder, Rob van der Aa, Hèrm Hofmeyer, Dianne van Hove*)
8. Simulation of dynamic response of steel moment frames following sudden column loss. Experimental calibration of numerical model and application (*Ioan Marginean, Florea Dinu, Dan Dubina*)



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