



Professor Yordan Garbatov

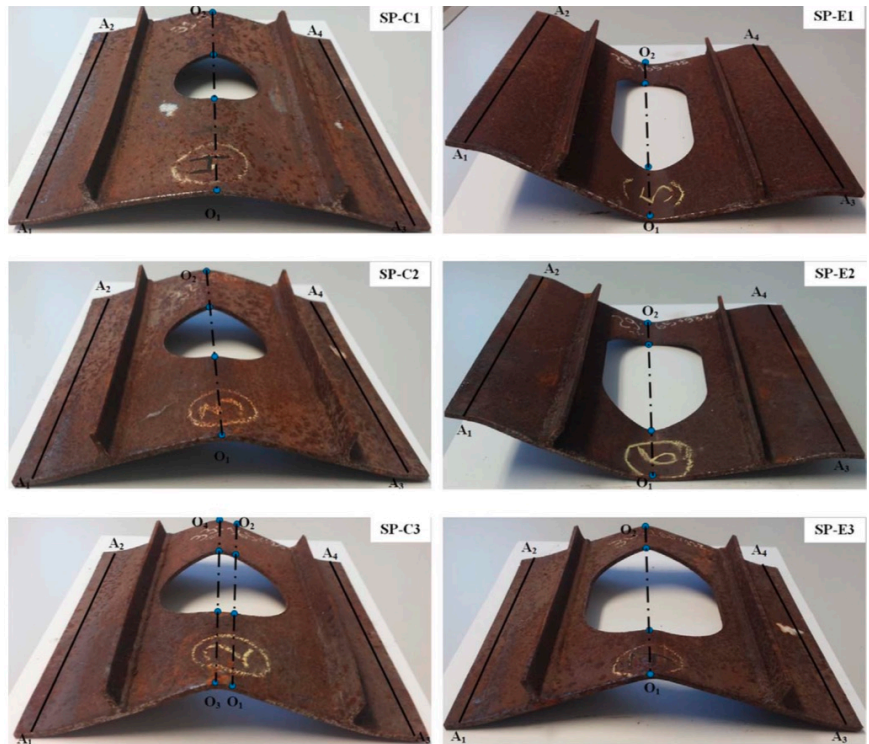


Fig. 3. Post-collapse deformed shapes of stiffened panels with a circular opening (left) and with an elongated opening (right).

From: S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, “Experimental compressive strength analyses of high tensile steel thin-walled stiffened panels with a large lightening opening”, *Thin-Walled Structures*, Vol. 113, pp 61-68, April 2017

See:

<https://www.google.com/search?q=y+garbatov+technical+university+of+lisbon&ie=utf-8&oe=utf-8>

http://www.centec.tecnico.ulisboa.pt/en/centec/books_details.aspx?bookid=1185

<https://scholar.google.pt/citations?user=qN-mMboAAAAJ&hl=en>

Center for Marine Technology and Ocean Engineering (CENTEC)
University of Lisbon, Portugal

Selected Publications:

C. Guedes Soares, Y. Garbatov, Reliability of corrosion protected and maintained ship hulls subjected to corrosion and fatigue, *J Ship Res*, 6 (1999), pp. 65–78

C. Guedes Soares, Y. Garbatov, A. Zayed, G. Wang, Corrosion wastage model for ship crude oil tanks, *Corros Sci*, 50 (2008), pp. 3095–3106

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, “Analysis of plate deflections during ultimate strength experiments of corroded box girders”, *Thin-Walled Structures*, Vol. 54, pp 164-176, May 2012

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, “Ultimate strength assessment of corroded box girders”, *Ocean Engineering*, Vol. 58, pp 35-47, January 2013

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, “Effect of corrosion severity on the ultimate strength of a steel box girder”, *Engineering Structures*, Vol. 49, pp 560-571, April 2013

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, “Strength assessment of a severely corroded box girder subjected to bending moment”, *Journal of Constructional Steel Research*, Vol. 92, pp 90-102, January 2014

J.E. Silva, Y. Garbatov and C. Guedes Soares, "Reliability assessment of a steel plate subjected to distributed and localized corrosion wastage", *Engineering Structures*, Vol. 59, pp 13-20, February 2014

Ming Cai Xu, Y. Garbatov and C. Guedes Soares, "Residual ultimate strength assessment of stiffened panels with locked cracks", *Thin-Walled Structures*, Vol. 85, pp 398-410, December 2014

M. Tekgoz, Y. Garbatov and C. Guedes Soares, "Ultimate strength assessment of welded stiffened plates", *Engineering Structures*, Vol. 84, pp 325-339, February 2015

Y. Garbatov, S. Saad-Eldeen and C. Guedes Soares, "Hull girder ultimate strength assessment based on experimental results and the dimensional theory", *Engineering Structures*, Vol. 100, pp 742-750, October 2015

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, "Experimental investigation on the residual strength of thin steel plates with a central elliptic opening and locked cracks", *Ocean Engineering*, Vol. 115, pp 19-29, March 2016

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, "Experimental strength assessment of thin steel plates with a central elongated circular opening", *Journal of Constructional Steel Research*, Vol. 118, pp 135-144, March 2016

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, "Experimental strength analysis of steel plates with a large circular opening accounting for corrosion degradation and cracks subjected to compressive load along the short edges", *Marine Structures*, Vol. 48, pp 52-67, July 2016

S. Saad-Eldeen, Y. Garbatov and C. Guedes Soares, "Experimental compressive strength analyses of high tensile steel thin-walled stiffened panels with a large lightening opening", *Thin-Walled Structures*, Vol. 113, pp 61-68, April 2017

M. Hashemzadeh, Y. Garbatov and C. Guedes Soares, "Analytically based equations for distortion and residual stress estimations of thin butt-welded plates", *Engineering Structures*, Vol. 137, pp 115-124, April 2017