

Effect of weld modelling on crashworthiness optimization

Körgesaar, Mihkel; Romanoff, Jani; St-Pierre, L.; Varsta, Petri Trends in the analysis and design of marine structures : proceedings of the 7th International Conference on Marine Structures (MARSTRUCT 2019, Dubrovnik, Croatia, 6-8 May 2019) 2019 / p. 231-237 : ill <https://doi.org/10.1201/9780429298875>

Emerging challenges for numerical simulations of quasi-static collision experiments on laser-welded thin-walled steel structures

Romanoff, Jani; **Körgesaar, Mihkel**; Remes, Heikki Journal of marine science and application 2020 / p. 567-583 : ill <https://doi.org/10.1007/s11804-020-00174-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental and numerical assessment of fracture initiation in laser-welded webcore sandwich panels

Körgesaar, Mihkel; Romanoff, Jani; Palokangas, Pekka Proceedings of the Eighth International Conference on Thin-Walled Structures, Lisbon, 24-27 July 2018 2018 / [17 p.]

Experimental and numerical penetration response of laser-welded stiffened panels

Körgesaar, Mihkel; Romanoff, Jani; Remes, Heikki; Palokangas, Pekka International journal of impact engineering 2018 / p. 78-92 : ill <https://doi.org/10.1016/j.ijimpeng.2017.12.014>

Experimental investigations on stiffened and Web-core sandwich panels made for steel under quasi-static penetration

Romanoff, Jani; **Körgesaar, Mihkel**; Lehto, Pauli; Berntsson, Kennie; Remes, Heikki Procedia Structural Integrity, Vol. 37, C 2021 / p. 17-24 : ill <https://doi.org/10.1016/j.prostr.2022.01.055> Conference proceedings at Scopus Article at Scopus Article at WOS

Hull and superstructure interaction using coupled beam method

Toming, Risto; **Kerge, Els-Hedvig**; **Naar, Hendrik**; **Tabri, Kristjan**; Romanoff, Jani; Remes, Heikki Proceedings of the 13th International Symposium on PRACTical Design of Ships and Other Floating Structures : 4th-8th September, 2016, Copenhagen, Denmark 2016 / p. 851-859 : ill http://orbit.dtu.dk/files/127664364/PRADS_2016_Proceedings_ORBIT.pdf

Hull/superstructure-interaction in optimized passenger ships

Remes, Heikki; Romanoff, Jani; Varsta, Petri; Jelovica, J.; Klanac, A.; Niemelä, Ari; Bralic, Svemir; **Naar, Hendrik** Advances in marine structures : proceedings of the 3rd International Conference on Marine Structures - MarStruct 2011 : Hamburg, Germany, 28-30 March 2011 2011 / p. 625-632 <https://research.aalto.fi/en/publications/hullsuperstructure-interaction-in-optimized-passenger-ships>

Hull-superstructure interaction in optimised passenger ships

Romanoff, Jani; Remes, Heikki; Bralic, Svemir; **Naar, Hendrik**; Niemelä, Ari; Jelovica, Jasmin; Klanac, Alan; Varsta, Petri Ships and offshore structures 2012 / [9] p.: ill <https://www.tandfonline.com/doi/full/10.1080/17445302.2012.675196>

Interaction between web-core sandwich deck and hull girder of passenger ship

Romanoff, Jani; **Naar, Hendrik**; Varsta, Petri Marine systems and ocean technology 2011 / lk. 39-45 : ill <https://research.aalto.fi/en/publications/interaction-between-web-core-sandwich-deck-and-hull-girder-of-pas>

Interaction between web-core sandwich deck and hull girder of passenger ship

Romanoff, Jani; **Naar, Hendrik**; Varsta, Petri 11th International Symposium on Practical Design of Ships and Other Floating Structures : Rio de Janeiro, Brazil 2010 / p. 1071-1078 : ill <https://research.aalto.fi/en/publications/interaction-between-web-core-sandwich-deck-and-hull-girder-of-pas>

Limit state analyses in design of thin-walled marine structures - some aspects on length-scales

Romanoff, Jani; Remes, Heikki; Varsta, Petri; **Körgesaar, Mihkel** ASME 2018 37th International Conference on Ocean, Offshore and Arctic Engineering June 17–22, 2018, Madrid, Spain 2018 / Paper No. OMAE2018-78304, p. V11BT12A047, 8 p. <http://doi.org/10.1115/OMAE2018-78304>

Limit state analyses in design of thin-walled marine structures—some aspects on length-scales

Romanoff, Jani; Remes, Heikki; Varsta, Petri; Goncalves, Bruno Reinaldo; **Körgesaar, Mihkel**; Lillemäe-Avi, Ingrid; Jelovica, Jasmin; Liinalampi, Sami Journal of offshore mechanics and arctic engineering 2020 / 8 p <https://doi.org/10.1115/1.4045371>

Numerical and experimental investigation on the collision resistance of the X-core structure

Ehlers, Sören; **Tabri, Kristjan**; Romanoff, Jani; Varsta, Petri Ships and offshore structures 2012 / p. 21-29 : ill <https://www.tandfonline.com/doi/full/10.1080/17445302.2010.532603>

Numerical and experimental investigation on the collision resistance of the X-core structure

Ehlers, Sören; **Tabri, Kristjan**; Romanoff, Jani; Varsta, Petri 5th International Conference on Collision and Grounding of Ships : June 14th - 16th 2010 Espoo, Finland 2010 / p. 18-24 : ill

On the influence of modelling a weld effect when optimizing thin-walled structures for crashworthiness

Berntsson, K.; **Körgesaar, Mihkel**; Goncalves, B.; Romanoff, Jani The 29th International Ocean and Polar Engineering Conference : 16-21 June 2019, Honolulu, Hawaii, USA 2019 / ISOPE-I-19-316, 8 p [On the influence of modelling... Conference proceedings at Scopus Article at Scopus](#)

Toward the application of the layer-wise displacement theory in passenger ships - a quasi-static response

Imala, Mikk-Markus; Naar, Hendrik; Tabri, Kristjan; Romanoff, Jani *Mechanics of Advanced Materials and Structures* 2023 / p.

4698-4710 <https://doi.org/10.1080/15376494.2022.2103859> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)