

Application of equivalent single layer approach for ultimate strength analyses of ship hull girder

Putranto, Teguh; Kõrgesaar, Mihkel; Tabri, Kristjan Journal of marine science and engineering 2022 / art. 1530

<https://doi.org/10.3390/jmse10101530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Collision consequence assessment of ROPAX vessels operating in the Baltic Sea

Tabri, Kristjan; Ehlers, Sören; Kõrgesaar, Mihkel; Stahlberg, Kaarle; Heinvee, Martin Proceedings of the ASME 2012 31st International Conference on Ocean, Offshore and Arctic Engineering : OMAE2012 : July 1-6, 2012, Rio de Janeiro, Brazil 2012 / OMAE2012-83626, [9] p.: ill <https://asmedigitalcollection.asme.org/OMAE/proceedings/OMAE2012/44892/375/268786>

A combined numerical and semi-analytical collision damage assessment procedure

Ehlers, Sören; Tabri, Kristjan Marine structures 2012 / p. 101-119 : ill <https://doi.org/10.1016/j.marstruc.2012.05.005>

Comparing rock shape models in grounding damage modelling

Sormunen, Otto-Ville Edvard; Kõrgesaar, Mihkel; Tabri, Kristjan; Heinvee, Martin; Urbel, Annika; Kujala, Pentti Marine structures 2016 / p. 205-223 : ill <https://doi.org/10.1016/j.marstruc.2016.07.004>

A comparison of two approaches for ship collision simulations : dynamic calculations versus displacement controlled calculations

Tabri, Kristjan; Broekhuijsen, J.; Villavicencio, R. Proceedings of the 10th Finnish Mechanics Days = X Suomen Mekaniikkapäivät : Jyväskylän yliopisto, 3.-4. joulukuuta 2009 2010 / p. 5-16 : ill

Critical aspects for collision induced oil spill response and recovery system in ice conditions: A model-based analysis

Lu, Liangliang; Goerlandt, Floris; Tabri, Kristjan; Hoglund, Anders; Banda, Osiris A. Valdez; Kujala, Pentti Journal of loss prevention in the process industries 2020 / art. 104198, 20 p. : ill <https://doi.org/10.1016/j.jlp.2020.104198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and testing of an universal autonomous surface vehicle

Roasto, Indrek; Jalakas, Tanel; Mölder, Heigo; Möller, Taavi; Tabri, Kristjan; Enok, Mart 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 705-710 : ill <https://doi.org/10.1109/PEMC48073.2021.9432567>

Double-hull breaching energy in ship-tanker collision

Heinvee, Martin; Tabri, Kristjan Progress in the Analysis and Design of Marine Structures : proceedings of the 6th International Conference on Marine Structures (MARSTRUCT 2017), Lisbon, Portugal, 8–10 May 2017 2017 / p. 439-448 <https://www.taylorfrancis.com/books/e/9781351653411>

Dynamic grounding analysis

Heinvee, Martin; Urbel, Annika; Tabri, Kristjan Proceedings of the 2nd International Conference Optimization and Analysis of Structures : Tartu, Estonia, August 25-27, 2013 2013 / p. 39-44 : ill

Dynamics of ship collisions : doctoral dissertation

Tabri, Kristjan 2010

Eesti merendus vajab strateegilisemat lähenemist : [sisaldab intervjuu Helsingi Tehnikaülikoolis õppiva Kristjan Tabriga]

Tabri, Kristjan; Ummelas, Mart Mente et Manu 2008 / 13. juuni, lk. 2 : fot https://www.ester.ee/record=b1242496*est

Ekspertide memo valitsusele: tähelepanekud Estoniast tehtud videost [Võrguväljaanne]

Tabri, Kristjan err.ee 2020 / fot [Ekspertide memo valitsusele: tähelepanekud Estoniast tehtud videost](#)

Elements of risk analysis for LNG tanker maneuvering with tug assistance in a harbor

Montewka, Jakub; Ehlers, Sören; Tabri, Kristjan 11th International Symposium on Practical Design of Ships and Other Floating Structures : Rio de Janeiro, Brazil 2010 / p. 1563-1572 : ill

"Estonia" põhjakontakti modelleerimine ja avade tekkepõhjuste analüüs

Tabri, Kristjan Meremees : Eesti merendusajakiri = Estonian maritime magazine 2024 / lk. 20-24 : ill https://www.ester.ee/record=b4646644*est

Experimental testing of spray rails for the resistance reduction of planing crafts

Lakatoš, Mikloš; Sahk, Tarmo; Kaarma, R.; Tabri, Kristjan; Kõrgesaar, Mihkel; Andreasson, Henrik 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. 334–343 : ill <https://www.scc.ee/ee/?mdocs-file=2121> <https://doi.org/10.1201/9780429298875>

A framework for risk assessment for maritime transportation systems - a case study for open sea collisions involving RoPax vessels

Montewka, Jakub; Ehlers, Sören; Tabri, Kristjan Reliability engineering & system safety 2014 / p. 142-157 : ill

Free fall water entry of a two-dimensional asymmetric wedge in oblique slamming : a numerical study

Hosseinzadeh, Saeed; Izadi, Mohammad; Tabri, Kristjan ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering : Vol. 8: CFD and FSI, August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-18645, V008T08A013 ; 8 pages <https://doi.org/10.1115/OMAE2020-18645> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Free-fall water entry of a variable deadrise angle aluminium wedge : an experimental study

Hosseinzadeh, Saeed; Tabri, Kristjan Developments in the Analysis and Design of Marine Structures : proceedings of the 8th International Conference on Marine Structures (MARSTRUCT 2021, 7-9 June 2021, Trondheim, Norway) 2021 / 9 p <https://doi.org/10.1201/9781003230373-4> https://www.researchgate.net/publication/355712517_Free-fall_water_entry_of_a_variable_deadrise_angle_aluminum_wedge_an_experimental_study

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

Hydraulic modelling of oil spill through submerged orifices in damaged ship hulls

Kollo, Monika; Laanearu, Janek; Tabri, Kristjan Ocean engineering 2017 / p. 385-397 : ill <https://doi.org/10.1016/j.oceaneng.2016.11.032>

Hydraulic modelling of submerged oil spill including tanker hydrostatic overpressure

Sergejeva, Monika; Laanearu, Janek; Tabri, Kristjan Analysis and design of marine structures : proceedings of the 4th International Conference on Marine Structures (MARSTRUCT 2013), Espoo, Finland, 25-27 March 2013 2013 / p. 209-217 : ill

Hydroelastic effects of slamming impact loads during free-fall water entry

Hosseinzadeh, Saeed; Tabri, Kristjan Ships and offshore structures 2021 / p. 68-84 : ill <https://doi.org/10.1080/17445302.2021.1954320> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ice-induced loads on offshore wind turbines in the Baltic Sea

Tabri, Kristjan; Tõns, Tõnis; Suominen, Mikko; Kõrgesaar, Mihkel Proceedings of the ASME 2022 41st International Conference on Ocean, Offshore and Arctic Engineering. Volume 6: Polar and Arctic Sciences and Technology 2022 / art. OMAE2022-79035, V006T07A022; 9 pages <https://doi.org/10.1115/OMAE2022-79035>

Influence of compressive ice force in bow-to-aft ship collision

Tabri, Kristjan; Goerlandt, Floris; Kujala, Pentti The 7th International Conference on Collision and Grounding of Ships and Offshore Structures : ICCGS 2016 : 15th-18th June, 2016, University of Ulsan, Ulsan, Korea 2016 / p. 131-137 : ill

Influence of coupling in the prediction of ship collision damage

Tabri, Kristjan Proceedings of 5th International Conference on Collision and Grounding of Ships, Espoo, Finland, 14-16.07.2010 2010 / p. 133-138

Influence of coupling in the prediction of ship collision damage

Tabri, Kristjan Ships and offshore structures 2012 / p. 47-54 : ill

Influence of longitudinal and transverse bulkheads on ship grounding resistance and damage size

Heinvee, Martin; Tabri, Kristjan; Kõrgesaar, Mihkel; Urbel, Annika The 7th International Conference on Collision and Grounding of Ships and Offshore Structures : ICCGS 2016 : 15th-18th June, 2016, University of Ulsan, Ulsan, Korea 2016 / p. 99-109 : ill

Influence of ship motions in the numerical prediction of ship collision damage

Tabri, Kristjan; Broekhuijsen, J. Advances in marine structures : proceedings of the 3rd International Conference on Marine Structures - MarStruct 2011 : Hamburg, Germany, 28-30 March 2011 2011 / p. 391-397 : ill https://www.researchgate.net/publication/286347258_Influence_of_ship_motions_in_the_numerical_prediction_of_ship_collision_damage

Interaction of ice force in ship-ship collision

Nelis, Sander; Tabri, Kristjan; Kujala, Pentti ASME 2015 34th International Conference on Ocean, Offshore and Arctic Engineering : St. John's, Newfoundland, Canada, May 31-June 5, 2015 2015 / 8 p <https://doi.org/10.1115/OMAE2015-41351>

Kristjan Tabri ja Heigo Mölder: meretaristut võiksid valvata robotid = Kristjan Tabri, Heigo Mölder: Robots could guard marine infrastructure

Tabri, Kristjan; Mölder, Heigo err.ee 2023 [Kristjan Tabri ja Heigo Mölder: meretaristut võiksid valvata robotid](#) [Kristjan Tabri, Heigo Mölder: Robots could guard marine infrastructure](#) [Кристъян Табри и Хейго Мольдер: морскую инфраструктуру могли бы охранять роботы](#)

Laeva- ja väikelaevaehituse õppimise võimalused TTÜs : Saaremaal ja Soomemaal

Tabri, Kristjan; Hartikainen, Anni; Prii, Jaanus Mente et Manu 2011 / lk. 4 : ill https://www.ester.ee/record=b1242496*est

Laevaehituse insener : tõenäoliselt on augud Estoniasse tekkinud merepõhjas [Võrguväljaanne]

MARSTRUCT benchmark study on nonlinear FE simulation of an experiment of an indenter impact with a ship side-shell structure

Ringsberg, Jonas W.; Amdahl, Jörgen; Chen, Bai Qiao; Cho, Sang-Rai; **Körgesaar, Mihkel; Tabri, Kristjan** Marine structures 2018 / p. 142-157 <https://doi.org/10.1016/j.marstruc.2018.01.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of structural damage and environmental consequences of tanker grounding

Tabri, Kristjan; Aps, Robert; Mazaheri, Arsham; **Heinvee, Martin;** Jönsson, Anette; Fetissov, Mihhail Analysis and design of marine structures : proceedings of the 5th International Conference on Marine Structures (MARSTRUCT 2015), Southampton, UK, 25-27 March 2015 2015 / p. 703-710 : ill

Modelling risk of a collision between a LNG tanker and a harbour tug

Montewka, Jakub; Ehlers, Sören; **Tabri, Kristjan** Marine systems and ocean technology 2012 / p. 3-13 : ill
<https://link.springer.com/content/pdf/10.1007/BF03449259.pdf>

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

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

Numerical and experimental motion simulations of nonsymmetric ship collisions

Tabri, Kristjan; Varsta, Petri; Matusiak, Jerzy Journal of marine science and technology 2010 / p. 87-101 : ill

Numerical assessment of novel ice breaking technology

Tabri, Kristjan; Saar, Kalju; Aanensen, Marie; Andersen, Steinar Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2023 2023 / art. V006T07A027 ; 9 p. : ill <https://doi.org/10.1115/OMAE2023-104670>

Numerical assessment procedure for the bottom contact of MV Estonia

Tabri, Kristjan; Naar, Hendrik; Šults, Andrus; Heinvee, M.; Mäesalu, M.; Matusiak, J.; Jakobsson, M.; Varushkin, S.; Kaldoja, M.; Roosipuu, Tauri Advances in the collision and grounding of ships and offshore structures : proceedings of the 9th international conference on collision and grounding of ships and offshore structures 2023 / p. 221-231
<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003462170-28>

Numerical investigation of hydroelastic response of a three-dimensional deformable hydrofoil

Hosseinzadeh, Saeed; Tabri, Kristjan HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 77-86 <https://doi.org/10.3233/PMST200029> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical modelling of a planing craft with a V-Shaped spray interceptor arrangement in calm water

Lakatoš, Mikloš; Tabri, Kristjan; Dashtimanesh, Abbas; Andreasson, Henrik HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 33-42 <https://doi.org/10.3233/PMST200024> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A numerical sensitivity analysis of fluid-structure interaction simulations on slamming loads and responses

Hosseinzadeh, Saeed; Topa, Ameen; **Tabri, Kristjan** IOP conference series : materials science and engineering 2023 / art. 012017, 9 p. : ill <https://doi.org/10.1088/1757-899X/1288/1/012017>

Numerical simulations of grounding scenarios – benchmark study on key parameters in FEM modelling

Brubak, Lars; Hu, Zhiqiang; **Körgesaar, Mihkel;** Schipperen, Ingrid; **Tabri, Kristjan** Practical Design of Ships and Other Floating Structures : Proceedings of the 14th International Symposium, PRADS 2019, September 22-26, 2019, Yokohama, Japan, Vol. II 2020 / p. 257-269 https://doi.org/10.1007/978-981-15-4672-3_16 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On parameterization of emulsification and heat exchange in the hydraulic modelling of oil spill from a damaged tanker in winter conditions

Kollo, Monika; Laanearu, Janek; Tabri, Kristjan Progress in the Analysis and Design of Marine Structures : proceedings of the 6th International Conference on Marine Structures (MARSTRUCT 2017), Lisbon, Portugal, 8–10 May 2017 2017 / p. 43-50
<https://www.taylorfrancis.com/books/e/9781351653411>

An online platform for rapid oil outflow assessment from grounded tankers for pollution response

Tabri, Kristjan; Heinvee, Martin; Laanearu, Janek; Kollo, Monika; Goerlandt, Floris Marine pollution bulletin 2018 / p. 963-976 : ill
<https://doi.org/10.1016/j.marpolbul.2018.06.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An optimized metamodel for predicting damage and oil outflow in tanker collision accidents

Das, Tanmoy; Goerlandt, Floris; **Tabri, Kristjan** Proceedings of the institution of mechanical engineers, part M: journal of engineering for the maritime environment 2022 / 14 p. : ill <https://doi.org/10.1177/14750902211039659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Resistance tests of a series of chine interceptors on a plaining craft

Lakatoš, Mikloš; Sahk, Tarmo; Andreasson, Henrik; Tabri, Kristjan International Conference High Speed Vessels : 1st-2nd July 2020, London, UK : papers [Online resource] 2020 / p. 63-70 : ill ["researchgate"](#)

Ship collision as criteria in ship design

Varsta, Petri; Ehlers, Sören; **Tabri, Kristjan**; Klanac, A. Advanced ship design for pollution prevention 2010 / p. 191-203 : ill

Ship collision simulations using different fracture criteria and mesh size

Körgesaar, Mihkel; **Tabri, Kristjan; Naar, Hendrik**; Reinhold, Edvin Proceedings of the ASME 2014 33rd International Conference on Ocean, Offshore and Arctic Engineering : OMAE2014 : June 8-13, 2014, San Francisco, California, USA 2014 / p. 1-9 : ill

A simplified approach to predict the bottom damage in tanker grounding

Heinvee, Martin; Tabri, Kristjan; Körgesaar, Mihkel Collision and grounding of ships and offshore structures : proceedings of the 6th International Conference, ICCGS, Trondheim, Norway, 17-19 June 2013 2013 / p. 161-169 : ill

A simplified method to predict grounding damage of double bottom tankers

Heinvee, Martin; Tabri, Kristjan Marine structures 2015 / p. 22-43 : ill <https://doi.org/10.1016/j.marstruc.2015.04.002>

Slamming loads and responses on a non-prismatic stiffened aluminium wedge : Part II. Numerical simulations

Hosseinzadeh, Saeed; Tabri, Kristjan; Topa, Ameen; Hirdaris, Spyros Ocean engineering 2023 / art. 114309, 20 p. : ill <https://doi.org/10.1016/j.oceaneng.2023.114309>

Slamming loads and responses on a non-prismatic stiffened aluminium wedge: Part I. Experimental study

Hosseinzadeh, Saeed; Tabri, Kristjan; Hirdaris, Spyros; Sahk, Tarmo Ocean engineering 2023 / art. 114510, 19 p. : ill <https://doi.org/10.1016/j.oceaneng.2023.114510>

SmartResponseWeb

Aps, Robert; Fetissov, Mihail; Jönsson, Anette; **Heinvee, Martin**; Kopti, Madli; **Tabri, Kristjan**; Tönnisson, Hannes The Gulf of Finland assessment 2016 / p. 342 <http://hdl.handle.net/10138/166296>

Spray rail performance in off-design conditions

Lakatoš, Mikloš; Sahk, Tarmo; Andreasson, Henrik; Tabri, Kristjan; Körgesaar, Mihkel Ship & Boat International 2018 / p. 68-72 : ill https://www.scc.ee/wp-content/uploads/2018/11/Spray-rail-performance-SBI_Sep-Oct18_68-72.pdf

Tasa sõuad... säästlikult jõuad

Tabri, Kristjan Inseneeria 2015 / lk. 6-7 : ill https://artiklid.elnet.ee/record=b2720893*est

The effect of spray rails, chine strips and V-shaped spray interceptors on the performance of low planing high-speed craft in calm water

Lakatoš, Mikloš; Sahk, Tarmo; Andreasson, Henrik; Tabri, Kristjan Applied Ocean Research 2022 / art. 103131 <https://doi.org/10.1016/j.apor.2022.103131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The ISSC 2022 committee III.1-Ultimate strength benchmark study on the ultimate limit state analysis of a stiffened plate structure subjected to uniaxial compressive loads

Ringsberg, Jonas W.; Darie, Ionel; Nahshon, Ken; Shilling, Gillian; **Tabri, Kristjan** Marine structures 2021 / art. 103026, 25 p. : ill <https://doi.org/10.1016/j.marstruc.2021.103026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A theory of coupled beams for non-prismatic ship structure

Kerge, Els-Hedvig; Naar, Hendrik; Tabri, Kristjan Proceedings of the 2nd International Conference Optimization and Analysis of Structures : Tartu, Estonia, August 25-27, 2013 2013 / p. 45-51 : ill

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>

Ultimate strength assessment of stiffened panel under uni-axial compression with non-linear equivalent single layer approach

Putranto, Teguh; Körgesaar, Mihkel; Jelovica, Jasmin; **Tabri, Kristjan; Naar, Hendrik** Marine structures 2021 / art. 103004, 17 p. : ill <https://doi.org/10.1016/j.marstruc.2021.103004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ultimate strength of ship hull girder with grounding damage

Tabri, Kristjan; Naar, Hendrik; Körgesaar, Mihkel Ships and offshore structures 2020 / p. S161-S175

Uued inimesed ja positsioonid

Tammet, Tanel; Uska, Riina; Laanearu, Janek; Tabri, Kristjan; Vendelin, Marko; Margus, Madis; Kindsigo, Merit; Talpsepp, Tõnn; Tähemaa, Toivo; Laos, Katrin; Liiv, Innar; Rüütmann, Tiia; Sarapuu, Külli; Kikkas, Kaido; Pachel, Karin *Mente et Manu*
2022 / lk. 40-49 : fot https://www.ester.ee/record=b1242496*est