

Calm-water performance of a boat with two swept steps at high-speeds: Laboratory measurements and mathematical modeling

Niazmand Bilandi, Rasul; Vitiello, Luigi; Mancini, Simone; Nappo, Vincenzo; Roshan, Fatemeh; Tavakoli, Sasan; **Dashtimanesh, Abbas** Procedia manufacturing 2020 / p. 467-474 : ill <https://doi.org/10.1016/j.promfg.2020.02.046>

CFD analyses on the water entry process of a freefall lifeboat

Huang, Luofeng; Tavakoli, Sasan; Li, Minghao; Dolatshah, Azam; Pena, Blanca; Ding, Boyin; **Dashtimanesh, Abbas** Ocean engineering 2021 / art. 109115, 11 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison between the dynamic behavior of the non-stepped and double-stepped planing hulls in rough water: A numerical study

Esfandiari, Arman; Tavakoli, Sasan; **Dashtimanesh, Abbas** Journal of ship production and design 2020 / Paper Nr: SNAME-JSPD-2020-36-1-52 ; p. 52–66 <https://doi.org/10.5957/jspd.2020.36.1.52>

Development of a mathematical model for performance prediction of planing catamaran in calm water

Ghassemzadeh, Abbas; **Dashtimanesh, Abbas;** Habibiasl, M.; Sahoo, P. International journal of maritime engineering 2019 / art.: IJME 538, p. 183–194 https://www.rina.org.uk/IJME_538.html <http://dx.doi.org/10.3940/rina.ijme.2019.a2.538>

Digitalization of high speed craft design and operation challenges and opportunities

Dashtimanesh, Abbas; Ghaemi, Mohammad Hossein; Wang, Youjiang Procedia Computer Science 2022 / p. 566-576 <https://doi.org/10.1016/j.procs.2022.01.254> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Niazmand Bilandi, Rasul; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of step configuration on hydrodynamic performance of one- and doubled-stepped planing flat plates: A numerical simulation

Dashtimanesh, Abbas; Roshan, Fatemeh; Tavakoli, Sasan; Kohansal, Ahmadreza; Barmala, Bahare Proceedings of the institution of mechanical engineers, part M: journal of engineering for the maritime environment 2020 / p. 181-195 <https://doi.org/10.1177/1475090219851917>

Effects of vertical motions on roll of planing hulls

Dashtimanesh, Abbas; Tavakoli, Sasan; Mancini, Simone; Mehr, Javad A.; Milanese, Stefano Journal of offshore mechanics and arctic engineering 2021 / p. 041401–041411 <https://doi.org/10.1115/1.4050210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hull-propeller interaction for planing boats: a numerical study

Roshan, Fatemeh; **Dashtimanesh, Abbas;** Tavakoli, Sasan; **Niazmand Bilandi, Rasul;** Abyn, Hassan Ships and offshore structures 2020 / 14 p. : ill <https://doi.org/10.1080/17445302.2020.1790295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic characteristics of tunneled planing hulls in calm water

Roshan, Fatemeh; **Dashtimanesh, Abbas;** **Niazmand Bilandi, Rasul** Brodogradnja : Teorija i praksa brodogradnje i pomorske tehnike 2020 / p. 19-38 : ill <https://hrcak.srce.hr/232081> <https://doi.org/10.21278/brod71102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic study of heeled double-stepped planing hulls using CFD and 2D+T method

Niazmand Bilandi, Rasul; **Dashtimanesh, Abbas;** Tavakoli, Sasan Ocean engineering 2020 / art. 106813 ; 21 p. : ill <https://doi.org/10.1016/j.oceaneng.2019.106813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical analysis of shipping water impacting a step structure

Khojasteh, Danial; Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean Engineering 2020 / art. 107517, 10 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107517> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

Numerical study on a heeled one-stepped boat moving forward in planing regime

Dashtimanesh, Abbas; Tavakoli, Sasan; Kohansal, Ahmadreza; Khosravani, Reza; Ghassemzadeh, Abbas Applied ocean research 2020 / art. 102057, 18 p <https://doi.org/10.1016/j.apor.2020.102057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance prediction of a Hard-Chine Planing Hull by employing different CFD models

Hosseini, Azim; Tavakoli, Sasan; **Dashtimanesh, Abbas**; Sahoo, Prasanta K.; **Körgešaar, Mihkel** Journal of marine science and engineering 2021 / art. 481, 26 p. : ill <https://doi.org/10.3390/jmse9050481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Seakeeping of double-stepped planing hulls

Niazmand Bilandi, Rasul; Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean engineering 2021 / art. 109475, 23 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ship acceleration motion under the action of a propulsion system: a combined empirical method for simulation and optimisation

Tavakoli, Sasan; Najafi, Saeed; Amini, Ebrahim; **Dashtimanesh, Abbas** Journal of marine engineering & technology 2021 / p. 200-215 : ill <https://doi.org/10.1080/20464177.2020.1827490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A six-DOF theoretical model for steady turning maneuver of a planing hull

Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean engineering 2019 / art. 106328, 17 p. : ill <https://doi.org/10.1016/j.oceaneng.2019.106328> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Dashtimanesh, Abbas; Gerstlberger, Wolfgang Dieter; Hoffmann, Thomas; Männik, Aarne; Niidu, Allan; Pagliarini, Samuel Nascimento; Sobocinski, Pawel Maria; Treffner, Ivar Mente et Manu 2019 / lk. 26-32 : fot https://www.ester.ee/record=b1242496*est

Wake waves of a planing boat : an experimental model

Tavakoli, Sasan; Shaghghi, Poorya; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Physics of Fluids 2022 / Art. nr. 037104 <https://doi.org/10.1063/5.0084074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)