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### DOCTORAL THESES

- Frank, D. [Fatigue strength assessment of laser stake welds in web-core steel sandwich panels](#), doctoral dissertation of Aalto University, Department of Applied Mechanics, Espoo, Finland, 2014
- Klanac, A. Design method for safe ship structures, doctoral dissertation of Aalto University, Department of Applied Mechanics, Espoo, Finland, 2011

### JOURNAL PUBLICATIONS

- Frank, D., Milat, A., Balunović, M. I Burlović, D.: [Study of Tube And Tank Specimens Repaired Using a Carbon Fibre Reinforced Epoxy](#), Journal of Maritime and Transportation Sciences, No. 3, 2020., the Association for the Study and Development of Maritime Studies and the Faculty of Maritime Studies, University of Rijeka.
- Frank, D. Fatigue strength assessment of laser stake-welded T-joints using local approaches, International Journal of Fatigue, Volume 73, April 2015
- Frank, D., Remes, H., Romanoff, J.: On the slope of the fatigue resistance curve for laser stake-welded T-joints, Fatigue Fract. Engng. Mater. Struct., 2013, p. 1336-1351.
- Frank, D., Romanoff, J., Remes, H.: Fatigue strength assessment of laser stake-welded web-core steel sandwich panels. Fatigue Fract. Engng. Mater. Struct., 2013, p. 724-737.
- Frank, D., Remes, H., Romanoff, J.: J-integral-based approach to fatigue assessment of laser stake-welded T-joints, International Journal of Fatigue, 2013, Vol. 47, p. 340-350.
- Frank D, Remes H, Romanoff J.: Fatigue assessment of laser stake-welded T-joints. International Journal of Fatigue, 2011, Vol. 33, p. 102-14.

### CONFERENCE PROCEEDINGS

- Frank, D., Milat, A., Balunović, M., Burlović D. (2019): [Study of tube and tank specimens repaired using a carbon fibre reinforced epoxy](#), 72nd IIW International Conference, Polymer Joining and Adhesive Technology, Bratislava, Slovakia
- Frank, D., et al. (2018): [Ship design process using life cycle integrated independent software of SHIPLYS platform](#), SORTA conference, Split, Croatia
- Milat, A., Golik Klanac, N. (2017): [SHIPLYS end-users' requirements to inform software development](#), International Maritime Association of the Mediterranean (IMAM), Lisbon, Portugal
- Balunović, M., Burlović, D., Frank, D., Milat, A. (2016): [Review of composite repairs of ship structures](#), SORTA conference, Seget Donji, Croatia
- Frank, D., Romanoff, J., Remes, H. (2015): Fatigue life improvement of laser-welded web-core steel sandwich panels using polymer-based filling materials, 68th IIW International Conference, Polymer Joining and Adhesive Technology, Helsinki, Finland
- Burlović, D., Milat, A., Balunović, M., Frank, D., Kotsidis, E. A., Kouloukouras, I. G., Tsouvalis, N. G., (2015): Finite element analysis of composite-to-steel type of joint for marine industry, 68th IIW International Conference, Polymer Joining and Adhesive Technology, Helsinki, Finland
- Milat, A., Tomac, T., Frank, D., Dundara, Đ., Kuzmanović, O., Radolović, V. (2015): Multi-objective optimization of lightweight modular sandwich panels, 5th International Conference on Marine Structures (MARSTRUCT), Southampton, UK
- Kharghani, N., Guedes Soares, C., Milat, A. (2014): Analysis of the stress distribution in a composite to steel joint, International Conference on Maritime
- Tomac, T., Milat, A., Dunara, Đ., Kuzmanović, O., Radolović, V., Vujasinović J., Katalinić, M. (2014): [Multi-objective optimization of lightweight modular sandwich panels](#), SORTA conference, Krk, Croatia
- Zagkas, V., Klanac, A., Frank, D., Bralić S. (2013): Rapid development of Ro-Pax concept by introducing an early stage FE analysis in CAFE innovative ship design environment, International Conference on Computer Applications in Shipbuilding (ICCAS), Busan, South Korea
- Frank, D., Juričić, I., Bralić, S., Klanac, A. (2012) [CAFEmesh: An Advanced Complex FE Mesh Generation Algorithm Utilized in SmartMarine® 3D Environment](#), 11th INTERNATIONAL MARINE DESIGN CONFERENCE, Glasgow, UK
- Claudepierre, Martial, Klanac, Alan and Aleström, Björn (2012) [Ulysses - the ultra slow ship of the future](#), Green Ship Technology Conference, Copenhagen

- Bralic, S., Frank, D., Klanac, A., Cace, B. (2011) CAFE: An Innovative Multi-User System for Rapid Generation of Ship Concepts, COMPIT Conference, Berlin, Germany
- Alan Klanac and Darko Frank. Visualization of ship design process applying group decision-making. IMDC 2009. 10th International Marine Design Conference. Trondheim Vol.2.
- Frank D. Klanac A. Mattila M. Elements of Design Tool Integration for Concurrent Ship Design: CATIA-NAPA integration. In proceedings COMPIT 2009, Budapest. Pages 454-460.
- Frank, D. Klanac, A. Bralic, S.: ng.zine - a new design system for naval architecture, In: Proc. SORTA, Pula, 2008.
- Frank, D., Klanac, A., Bralic, S.: A concept for concurrent group design of Ships, In: Proc. COMPIT'08, Liege, 2008.