# 사람, 넥타이, 남자, 가장이(가) 표시된 사진 자동 생성된 설명Kvan Illia

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**KEY COMPETENCIES**

Marine Structural Mechanics, Finite Element Analysis, Structural Testing, Dynamic Testing,

Damage Assessment, Ultimate and residual strength

# EDUCATION

09/2015-08/2017 Inha University Korea

MSc in Naval Architecture & Ocean Engineering

09/2014-08/2015 Yeongnam University Korean Training Institute Korea

Korean language student

09/2004-02/2010 Admiral Makarov National University of Shipbuilding Ukraine

Bsc student

# PROFESSIONAL EXPERIENCE

09/2017-04/2019 Inha University Korea

Researcher in Naval Architecture and Ocean Engineering

04/2010-02/2012 State Research & Design Shipbuilding Centre Ukraine

Design Engineer

# TECHNICAL SKILLS

* Abaqus, Hypermesh, Patran/Nastran
* MATLAB
* AutoCAD
* Microsoft Office, Hancom Office, OriginPro

# RESEARCH PROJECTS

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| 01/2019-04/2019 | Developed a new method for prediction of a collided ship motion   * Produced MATLAB code for considering hydrostatic and hydrodynamic forces using subroutines | The Society of Naval Architects of Korea |
| 09/2018-01/2019 | Research on Stellar Daisy Accident – Ultimate Strength and Damage Assessment (collision and grounding)   * Finite element analysis of a full-scale ship and local models * Ultimate strength assessment   Structural damage assessment | The Society of Naval Architects of Korea |
| 11/2017-08/2018 | Research on Ulsan Accident – Ultimate Strength and Damage Assessment (collision and grounding)   * Finite element analysis of a full-scale ship and local models * Ultimate strength assessment * Structural damage assessment | The Society of Naval Architects of Korea |
| 01/2017-10/2017 | Developed a method for prediction of the collided ship motion   * Finite element analysis of a full-scale ship and local models * Ultimate strength assessment * Developed MATLAB code for damage extent evaluation * Structural damage assessment | The Society of Naval Architects of Korea |
| 09/2015-12/2016 | Development of the New Method for Ultimate Strength Prediction   * Developed a MATLAB code for simple box modelling * Ultimate and residual strength assessment | Ministry of Trade, Industry and Energy |

# PUBLICATIONS

**International Journal Papers**

**[1]** Downes J, Tayyar GT, Kvan I, Choung J. A New Procedure for Load-Shortening and -Elongation Data for Progressive Collapse Method. IJNAOE 2017; doi: <https://doi.org/10.1016/j.ijnaoe.2016.10.005>

**[2] Kvan I**, Choung J, Accuracy improvement of progressive collapse method using simple box girder-based load-shortening and -elongation data, Marine structures 2016

**Proceedings Papers Presented at International Conferences**

**[1] Kvan I**, Choung J, Accuracy Improvement of PCM Using Simple Box Girder-based LSE Data, 6th International Conference on Marine Structure (MARSTRUCT 2017), Lisbon, Portugal, May 8-10, 2017.

**[2]** J. Choung, **I. Kvan**, K. Lee, A New Technique to Consider Hydrostatic and Hydrodynamic Forces in Case of Ship Collision, 7th International Conference on Marine Structure (MARSTRUCT 2019), Dubrovnik, Croatia, May 6-8, 2019.

**Proceedings Papers Presented at Domestic Conferences**

**[1] Kvan I**, Choung J, Effects of collided ship motion on damage extents, Proceedings of the Korean Society of Ocean Engineers, Incheon, Korea, November 15-16, 2018.