Literature Survey

Year	Title of Paper	Objective and Methodology	Author details
2015	Introduction of MMG standard method for ship maneuvering predictions	Journal of Marine Science and Technology maneuvering predictions **Simulation**	H. Yasukawa Graduate School of Engineering, Hiroshima University, **japan** J Mar Sci Technol (2015) 20:37–52 DOI 10.1007/s00773-014-0293-y
2009	Parametric Identification of Ship Maneuvering Models by Using Support Vector Machines	Journal of Ship Research Parametric Identification **SVM**	W. L. Luo , Z. J. Zou School of Naval Architecture, Ocean and Civil Engineering, Shanghai Jiao Tong University, Shanghai, **China** Journal of Ship Research, Vol. 53, No. 1, March 2009, pp. 19–30
2016	Parameter Identification of Ship Maneuvering Model Based on Support Vector Machines and Particle Swarm Optimization	Journal of Offshore Mechanics and Arctic Engineering Parametric Identification **SVM & PSO**	Weilin Luo , C. Guedes Soares CENTEC, **Lisbon** J. Offshore Mech. Arct. Eng. Jun 2016, 138(3): 031101
2010	Parameters identification for ship motion model based on particle swarm optimization	The international journal of cybernetics, systems and management sciences Parametric Identification **PSO**	Yongbing Chen Huazhong University of Science and Technology, Wuhan, **China** ISSN: 0368-492X
2016	Vector field path following for surface marine vessel and parameter identification based on LS-SVM	Journal of Ocean Engineering Parametric Identification **LS-SVM**	Haitong Xu, C. Guedes Soares CENTEC, **Lisbon** Ocean Engineering 113(2016) 151-161
2017	Identification-based simplified model of large container ships using support vector machines and artificial bee colony algorithm	Journal of Applied Ocean Research Parametric Identification **SVM - artificial bee colony algorithm**	Man Zhu, , Axel Hahn University of Oldenburg, Oldenburg, **Germany** Applied Ocean Research 68(2017) 249-261

Year	Title	Journal / Type / Method	Author / Affiliation / Reference
2010	Identification of Abkowitz model for ship manoeuvring motion using ε –Support Vector Machine	Journal of Hydrodynamics Parametric Identification ε -SVM	ZHANG Xin-guang Shanghai Jiao Tong University, Shanghai, **China** 2011,23(3):353-360 DOI: 10.1016/S1001-6058(10)60123-0
2017	Parameter Identification of Ship Maneuvering Models Using Recursive Least Square Method Based on Support Vector Machines	the International Journal on Marine Navigation and Safety of Sea Transportation Parametric Identification Recursive - **LS-SVM**	M. Zhu & A. Hahn Carl-von-Ossietzky University of Oldenburg, Oldenburg, **Germany** DOI: 10.12716/1001.11.01.01
2016	Parameter Identiability of Ship Manoeuvring Modeling Using System Identication	Mathematical Problems in Engineering Parametric Identification **System Identication**	Weilin Luo Fuzhou University, Fuzhou, **China** Mathematical Problems in Engineering Volume 2016, Article ID 8909170,
2017	System-based investigation on 4-DOF ship maneuvering with hydrodynamic derivatives determined by RANS simulation of captive model tests	Journal of Applied Ocean Research Parametric Identification **RANS simulation** of captive model tests	Hai-peng Guo Shanghai Jiao Tong University, Shanghai, **China.** Applied Ocean Research 68(2017) 11-25
2015	Method for estimating parameters of practical ship manoeuvring models based on the combination of RANSE computations and System Identification	Journal of Applied Ocean Research Parametric Identification **RANSE computations and System Identification**	M. Bonci , M. Viviani University of Genoa, Genova, **Italy** Applied Ocean Research 52(2015) 274-294
2015	Parametric estimation of ship maneuvering motion with integral sample structure for identification	Journal of Applied Ocean Research Parametric Identification **LS-SVM**	Cao Jiana & Zhuang Jiayuana Harbin Engineering University, **China** Applied Ocean Research 52(2015) 212-221
2018	Estimation of hydrodynamic derivatives of a container ship using PMM simulation in OpenFOAM	Journal of Ocean Engineering Parametric Identification **RANS solver & OpenFOAM**	Hafizul Islam, C. Guedes Soares CENTEC, **Lisbon** Ocean Engineering 164(2018) 414-425

Year	Title	Journal / Topic	Authors / Affiliation
2017	Measures to diminish the parameter drift in the modeling of ship manoeuvring using system identification	Journal of Applied Ocean Research parameter drift **System identification**	Weilin Luoa, Xinyu Li Fuzhou University, Fuzhou, **China** Applied Ocean Research 67(2017) 9-20
2018	Nonparametric identification of nonlinear ship roll motion by using the motion response in irregular waves	Journal of Applied Ocean Research Non-Parametric Identification **RDT and SVR**	Xian-Rui Houa, Zao-Jian Zou Shanghai Maritime University, Shanghai ,**China** Applied Ocean Research 73(2018) 88-99
2015	Parameter identification of nonlinear roll motion equation for floating structures in irregular waves	Journal of Applied Ocean Research Parametric Identification **random decrement technique and SVR**	Xian-Rui Houa, Zao-Jian Zoua Shanghai Jiao Tong University, Shanghai**, China.** Applied Ocean Research 55(2016) 66-75
1982	Cancellation effect and parameter identifiability of ship steering dynamics	Journal of International Shipbuilding Progress Parametric Identification **Slender-body theory**	Hwang, Wei-Yuan National Taiwan University, Taipei, **Taiwan** DOI: 10.3233/ISP-1982-2933201
2016	Modeling of Ship Maneuvering Motion Using Neural Networks	Journal of Marine Science and Technology Parametric Identification (acceleration derivatives) **Neural Network**	Weilin Luo School of Mechanical Engineering and Automation, Fuzhou University, Fuzhou, **China.** DOI: 10.1007/s11804-016-1380-8