Year	*Title of Paper*	*Objective and Methodology*	*Author details*
2015	**1.**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	**2.**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	**3.**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	**4.**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	**5.**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	**6.**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

2019	**7.**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	**8.**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	**9.**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	**10.**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	**11.**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	**12.**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	**13.**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

2017	**14.** 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	**15.** 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	**16.**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	**17.**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	**18.**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
2014	**19.** An algorithm for offline identification of ship manoeuvring mathematical models from free-running tests	Ocean Engineering offline identification of ship manoeuvring model **classic genetic algorithm-from free-running tests**	Serge Sutulo, C. Guedes Soares (CENTEC), Instituto Superior Técnico, University of Lisbon, Av. Rovisco Pais, 1049-001 Lisbon, **Portugal.** Ocean Engineering 79(2014) 10-25
2019	**20.** On the application of empiric methods for prediction of ship manoeuvring properties and associated uncertainties	Ocean Engineering Parametric Identification (acceleration derivatives) **Empirical Methods**	Serge Sutulo, C. Guedes Soares (CENTEC), Lisbon, **Portugal.** Ocean Engineering 186(2014) 106111
