Workshop “Shipbuilding of the Future”, Papenburg (20-21 June 2016)

MESA Workshop		
№	Title	Speaker
1-1	Welcome Speech	Dr.-Ing. Frank Roland, Center of Maritime Technologies e.V.
1-2	Where do we want to be? A vision for waterborne technology (No distribution of presentation)	Peter Crawley, MESA Project Officer, European Commission
1-3	Presentation of MEYER WERFT – History of the shipyard (No distribution of presentation)	Hermann-Josef Mammes, MEYER WERFT GmbH & Co. KG
1-4, 1-5	MESA Thematic Technology Group 3, Materials and Production – Introduction of MESA TTG 3	Matthias Krause, Center of Maritime Technologies e.V.
1-6	MESA Thematic Technology Group 3, Materials and Production – State of the Art & Show Cases	Ümran Bilen, Center of Maritime Technologies e.V.
1-7	MESA Thematic Technology Group 3, Materials and Production – From Technology Gap to Research Needs and Innovation is more than Research	Dr.-Ing. Frank Roland, Center of Maritime Technologies e.V.
Session: Innovative Lightweight Structures		
2-1	Innovative Lightweight Structure	Kees Custers, DAMEN
2-2	Lightweight ship structures with innovative RP-Technology	Dr. Dirk Büchler, BaltiCo GmbH
2-3	Composite hatch covers for large sea-going ships – Benefits, design challenges, obstacles	Ragnar E. Hansen, HEAC-Hansen Engineering and Consulting
2-4	“Shipbuilding of the future” Composites lightweight structures – cross-industry exchange	Georg Londsdorfer, CFK Valley e.V./CTC-Composite Technology Center Stade
2-5	Cellular Metallic Materials – an Approach for Functional lightweight Construction in Shipbuilding?	Dr.-Ing. Hartmut Göhler, Fraunhofer IFAM
2-6	Structural Composites industrialised	Peter Coppens, Airborne Marine
Session: Shipbuilding 4.0 Digitisation		
3-1	Industrie 4.0 – Digitisation of Maritime Production Process	Prof. Dr.-Ing. Martin-Christoph Wanner, Fraunhofer IPA
3-2	Digitisation and Servitisation in the Maritime Industry	M.Sc. Moritz von Stietencron, BIBA GmbH
3-3	Leveraging Productivity Potentials by Digitization with Augmented Reality	Dr.-Ing. Axel Friedewald, TU Hamburg Harburg
3-4	Digitizing the shipyard project shop through context-aware information services: current status and outlook	Dr. Kosmas Alexopoulos, University of Patras
3-5, 3-6	The Factories of the Future Programme and digitisation of manufacturing	Chris Decubber, EFFRA
Session: Automated Manufacturing and Assembly		
4-1	Pipe Spool Factory Project: automation in prefabrication of outfitting elements	Gianni Zanaria, Fincantieri S.p.A.
4-2	New Automation technologies for Flexible Production Environments	Daniel Gesto, AIMEN Technology Centre
4-3	Ships made of Light – Laser Welding from Research to Economic Success	Dr.-Ing. Frank Roland, Center of Maritime Technologies e.V.

4-4	Trends in Automated Manufacturing and Assembly	Mariola Redríguez, TECNALIA
4-5	Risk Based Inspection of New-Built Ships (No distribution of presentation)	Chris Decubber, EFFRA on behalf of TWI (The Welding Institute)
4-6	Coordination and interaction between automated systems such as collaborative robots and manual work	Dr. Kosmas Alexopoulos, University of Patras