

The Royal Institution of Naval Architects



Design & Operation of Offshore Wind Farm Support Vessels 2015 - Papers

28-29 January 2015, London, UK

Offshore wind turbines are becoming an important resource of renewable energy, and large scale investment is creating extensive wind farms off the coast of many coastal European Countries. This has led to the need for specialised vessels for both install and service the turbines.

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The following papers were presented at the conference;

- **The UK Offshore Wind Job Creation Capacity, O&M Costs and Content Analysis** by Dr P A. Igwe and Prof K E. Howell, 20M EU Interreg offshore wind farm project, University of Plymouth Graduate School of Management, Plymouth, UK
- **WFSV: 12 Passengers?** by A Page and C O'Neill, Alicat Marine Design, UK
- **The Influence of Multiple Working Shifts for Offshore Wind Farm O&M Activities StrathOW-OM Tool** by Y Dalgic, I Lazakis, Department of Naval Architecture, Ocean and Marine Engineering, University of Strathclyde, Glasgow, UK, I Dinwoodie, D McMillan, Institute for Energy & Environment, University of Strathclyde, Glasgow, UK, M Revie, Department of Management Science, University of Strathclyde, Glasgow, UK and J Majumder, Department of Naval Architecture, Ocean and Marine Engineering, University of Strathclyde, Glasgow, UK
- **A Marine Design Approach to WFSV Bridge Layout Development and Crew Transfer** by S McCartan, C Diels and T Thompson, EBDIG-IRC, Coventry University, UK, C Anderberg, H Pahlm and F Forsman, Division of Maritime Operations, Chalmers University Of Technology, Swede, T Dobbins, ST-Research Ltd, UK and H-J Wirsching, Human Solutions GmbH, Germany **only on CD-ROM*
- **Crew Transfer Vessel Performance Evaluation** by S Phillips, IB Shin, C Armstrong, Seaspeed Marine Consulting Ltd, UK
- **Man Over Board Rescue Capabilities in Offshore Wind Projects** by D Olsson, Dacon AS, Norway
- **Navigational & Safety Assessment of Wind Farm Support Vessels**, by S.Gopinath, AMET University, India
- **Design-Driven Innovation: An OSV Platform WFSV Mothership for North Sea Operations** by S McCartan and T Thompson, EBDIG-IRC, Coventry University, UK, B Verheijden, Academy Minerva, Groningen, Netherland, C Anderberg and H Pahlm, Division of Maritime Operations, Chalmers University Of Technology, Sweden and D Boote and T Colaianni, DITEN, Genoa University, Italy
- **Multiple Pod Units for Efficient Vessel Handling in Wind Farm Operations** by G Torneman, AB Volvo Penta, Sweden
- **An Investigation Study for a Green Innovative Wind Farm Service Vessel Design** by E Celik, Multi Engineering, Netherlands and O E Kalender, OEK Marine, Turkey
- **Planning for IMO Tier 3 Engine Room Design** by H H Hüper, S L Löser, E M Maier, MAN Engines, A division of MAN Truck & Bus AG, Germany and ML Lis, MAN Engines and Components, A division of MAN Truck & Bus UK Ltd, UK
- **Marine Design of a WFSV Modular Interior** by S McCartan and T Thompson, EBDIG-IRC, Coventry University, UK, B Verheijden, Academy Minerva, Groningen, Netherlands and Jules Morgan, KPM-Marine, UK **only on CD-ROM*
- **Do We Have Enough Installation Vessels for All the Planned Offshore Wind Farms?** by J Jensen, S Jain, MEC Intelligence APS, Denmark

- **Experimental Assessment of Impact Loads on Catamaran Structures** by A. Nazarov, P. Suebyiw, A. Piamalung, Albatross Marine Design Co., Ltd, Thailand
- **The Application of Sandwich Plate System for the Strengthening of Spud Cans on Offshore Jack-Up Vessels** by M. Brooking, Intelligent Engineering (UK) Ltd. UK
- **A Novel Design for an Offshore Wind Farm Vessel: Application of the Aerodynamically Alleviated Marine Vehicle (AAMV)** by D James and M Collu, Cranfield University, UK
- **The Statistical Analysis of Principal Particulars of Wind Farm Support Vessels** by A V Bondarenko, National University of Shipbuilding, Ukraine

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