

CURRICULUM VITAE

NAME: MEDHURST, JOHN S. (Dr)

NATIONALITY: British

DATE OF BIRTH: 21.09.47

QUALIFICATIONS: B.Sc. Marine Engineering, University of Newcastle-upon-Tyne (Weighton Memorial Medal)
Ph.D. Naval Architecture (ship performance), University of Newcastle-upon-Tyne. European Engineer (Eur.Ing.) 1990, Chartered Engineer (C.Eng.) 1981, Chartered Marine Engineer (CMarEng). Solicitor England and Wales 1973 (non-practising). Chartered Arbitrator 2015.

MEMBERSHIPS: FIMarEST, FRINA, FCMS (former Council Member), MSNAME, MIMechE, MAE. FCI Arb, C.Arb, Aspiring Full Member LMAA. SCMA Panel Arbitrator.

EMPLOYMENT HISTORY:

1995 to date **Newman Giles Paines & Co. Ltd.** from 2011; formerly Newman, Giles & Co. Ltd., Gordon Marine & Co. Ltd, Gordon, Giles & Co. Ltd., Vine Gordon & Co. Ltd. (all associated companies)
- Marine Consultant, Surveyor, Expert Witness and Arbitrator
Specialising in computation and technical analysis in marine engineering and naval architecture. Propulsion, control systems and dynamics, propellers (including CPP), rudders and steering gear, manoeuvring, seakeeping, container securing, structural analysis, refrigeration, performance, pumping, coatings, shipbuilding disputes, personal injury claims.
Secondary work stream in quantified risk assessment, technical, management and cognitive human factors consultancy and research in a wide range of high risk industries, including shipping, offshore, petrochemical, railways and aviation. Consultant on MSA Project for IMO on impact of regulations and EU Project on regulatory framework of satellite navigation.
Arbitrator (including Expert Determinations) since 2001, specialising in technical cases including ship and offshore newbuilding, "sale and purchase" and technical charterparty disputes.

1991 - 1994 **London Underground Limited**
- Lift & Escalator Engineer (General Manager / Chief Engineer)
Interim Management, implementing extensive technical and organisational change.

1985 - 1991 **Vine Abel & Company Limited -**
- Marine Consultant, Surveyor and Expert Witness.
Casualty, litigation and expert witness work world wide. Technical analysis.
Relief surveyor for Lisbon office. Director of Vine Abel London from 1987.

1981 - 1985 **International Paint (Courtaulds Coatings)**
- Consultant Hydrodynamicist (Ship Performance Group, Newcastle University)
Theoretical and experimental research into hull and propeller condition and performance, leading to Ph.D. Author of publications on hydromechanics, surface topography, ship performance and maintenance. Consultant to bio-fouling projects at other universities.

1979 - 1981 **Blue Star Ship Management**
Seagoing Engineer Officer on refrigerated break bulk and container ships.

1977 - 1979 **Swan Hunter Shipbuilders, Tyneside**
Graduate apprenticeship, sandwiched with marine engineering degree studies.
Fitter, Quality Control & Commissioning Engineer, Engineering Installation Manager.

1976 (June – September) **Ocean Transport & Trading (Ocean Fleets), Liverpool**
Technical assistant, Ship Procurement Division, working on newbuilding specifications.

1967 - 1975 **Ince & Co., London.**
- Articled Clerk/Assistant Solicitor (3 years pqe)
Specialising in maritime law, particularly collision, salvage and technical disputes.

SPECIALIST SKILLS AND INTERESTS: Computer hardware and software - system architecture, business and scientific software, CAD, graphics. Programming (author *Marinus* ship manoeuvring program). Hydrodynamics, seakeeping, navigation, cartography, meteorology, FEA, simulation, control systems and power electronics. Aviation: Freeman of the Honourable Company of Air Pilots.