

1. Present appointment

Director. Andy Cloughton Naval Architects.

2. Previous appointments

2014 – 2017 Chief Technology Officer Land Rover BAR.
Challenger for the 35th America's Cup

2012 - 2014 Director of Enterprise. Wolfson Unit M.T.I.A, University of Southampton.

2009 - 2012 Principal Research Engineer. Wolfson Unit M.T.I.A, University of Southampton.

2007 – 2009 Design Co-ordinator. TEAMORIGIN, America's Cup Challenger.

2003 - 2007 Design Co-ordinator. Emirates Team New Zealand, America's Cup Challenger.

2000 - 2003 Research Co-ordinator. Team New Zealand America's Cup Defender.

1977 - 2000 Senior Engineer
Wolfson Unit for Marine Technology and Industrial Aerodynamics,
Department of Ship Science, University of Southampton

1975 - 1977 University of Southampton, Ship Science Department.
Post Graduate Research Ship Motions

3. Qualifications & associations

BSc Ship Science, 1975

C.Eng.

Member Royal Institution of Naval Architects

Offshore Racing Congress International Technical Committee

Member of Royal Ocean Racing Club. Technical Committee.

Member of the Super Yacht Racing Association "Fair Sailing Committee"

4. Awards

Ship Science Prize 1975.

Best Graduate.

Royal Institution of Naval Architects.

1995 Bronze Medal for paper presented at CADAP '95.

SNAME . Fourteenth Chesapeake Sailing Yacht Symposium 1999

Richards T Miller Prize. Best Paper "developments in the IMS VPP formulations"

Royal Institution of Naval Architects: 2008

Small Craft Group Medal for contributions to yacht science.

Royal Institution of Naval Architects: 2013

Small Craft Group Medal for contributions to yacht science as part of Wolfson Unit M.T.I.A.

5. America's Cup experience.

Date, Venue	Syndicate	Role
1983 Newport	Victory 83	Execution and analysis of towing tank and wind tunnel tests. VPP calculations. Development of onboard computer systems.
1987 Fremantle	White Crusader	Execution and analysis of towing tank and wind tunnel tests. VPP Calculations
	Team New Zealand	Execution and analysis of towing tank and wind tunnel tests. Performance analysis.

1988 San Diego	New Zealand Challenge K Boat	Execution and analysis of towing tank tests.
1992 San Diego	New Zealand Challenge	Execution and analysis of towing tank and wind tunnel tests. VPP Calculations Full scale scientific studies
1995 San Diego	New Zealand Challenge	Execution and analysis of towing tank and wind tunnel tests. VPP Calculations Full scale scientific studies
	TAG Heuer	Execution and analysis of towing tank tests.
2000	Team New Zealand	Execution and analysis of towing tank and wind tunnel tests. VPP Calculations Full scale scientific studies
2003	Team New Zealand	Research Co-ordinator, responsible for all design research projects and contributed to boat development.
2007	Emirates Team New Zealand	Design Co-ordinator
2008	TEAMORIGIN	Design Co-ordinator
2010-2011	America's Cup Race Management	Design Co-ordinator. Shared Design Package with VPLP & North Sails.

6. Publications

Technical Papers.

The use of computers in a marine consultancy organisation

P.A. Weynberg and A.R. Cloughton

RINA Small Craft Group - International Conference on Computers and Small Craft, February 1984

The dynamic stability of sailing yachts in large breaking waves

A.R. Cloughton

International Conference on Design Considerations for Small Craft, February 1984

Development of lifeboat launching systems for offshore rigs and platforms

I.M.C. Campbell and A.R. Cloughton

International Conference on Marine Survival Craft, Liferafts, Lifeboats, Survival Systems in association with The Nautical Institute, November 1983

Self-pitching propellers

J. Coxon and A.R. Cloughton

RINA Small Craft Group International Symposium on Propulsion for Small Craft, November 1982

An assessment of the progress in yacht design through an examination of model yacht characteristics

A.R. Cloughton, I. Howlett, and R. Stollery

The Eighth Chesapeake Sailing Yacht Symposium, (SNAME) March 1987

The interpretation of results from tank tests on 12m yachts

I. Campbell and A.R. Cloughton

The Eighth Chesapeake Sailing Yacht Symposium, (SNAME) March, 1987

The effect of counter length on hull resistance

A.R. Cloughton

The Ninth Chesapeake Sailing Yacht Symposium, March, (SNAME) 1989

PERFORMANCE PREDICTION FOR LARGE SAILING YACHTS

A.R. Cloughton

3rd Yacht & Smallcraft Design Symposium, May 1993

Wind tunnel testing of sailing yacht rigs

I.M.C. Campbell and A.R. Cloughton

Paper presented at, and published in proceedings for the 13th International Symposium on "Yacht Design and Yacht Construction"

H.I.S.W.A., Amsterdam 14th & 15th November, 1994

Development of a multi-functional velocity prediction program (VPP) for sailing yachts

J.C. Oliver, Yacht Research International Inc., Annapolis, and

A.R. Cloughton

R.I.N.A. International Conference CADAP '95

Hull & appendage design for large sailing yachts

A.R. Cloughton

Project '97, Amsterdam, 19 - 21st November, 1997

Developments in the IMS VPP formulations.

A.R. Cloughton

The Fourteenth Chesapeake Sailing Yacht Symposium, March, (SNAME) 1999

Design considerations for canting keel yachts

Andrew Cloughton, Wolfson Unit MTIA University of Southampton & Clay Oliver, Yacht Research International, UK

"Yacht Design and Yacht Construction" H.I.S.W.A., Amsterdam 2005

Changes and Development to Sail Aerodynamics in the ORC International Handicap Rule

Fabio Fossati of Politecnico di Milano, CIRIVE Wind Tunnel

Andy Cloughton of University of Southampton

Sara Muggiasca of Politecnico di Milano, Department of Mechanics

Davide Battistin

"Yacht Design and Yacht Construction" H.I.S.W.A., Amsterdam 2008

Other Publications.

An investigation into the stability of sailing yachts in large breaking waves

Ship Science Report No. 15

A.R. Cloughton and P. Handley

Report on model tests to assess the use of drogues and similar devices to prevent yacht capsizes in breaking waves

Ship Science Report No. 35

A.R. Cloughton

Heavy weather sailing

K. Adlard Coles. Revised by Peter Bruce.

Chapter 32 "The stability of Yachts in Large Breaking Waves" A.R.Cloughton.

Sailing yacht design theory.

Edited by Cloughton, Wellicome, & Sheno.

Longman 1998

Sailing yacht design practice.

Edited by Cloughton, Wellicome, & Sheno.

Longman 1998

7. Recreation.

I have been a recreational sailor since the age of 14.

I currently own a 22' trimaran. (TRI-CAT 22)

I have raced in Olympic class dinghies and offshore yachts, cruised extensively, and enjoyed inland waterway holidays.

I also windsurf and stand up paddle board.

I also enjoy hill walking.

I am a member of the Offshore Racing Congress International Technical Committee and the RORC technical committee.

I live in Southampton with my wife Elizabeth, I have 2 grown up children John & Jane.