PHILIP JOHN GODDARD
PhD, B.Eng. (Hons.), GradIEAust, PEng.

CURRICULUM VITAE

Date of Birth: 23 May 1969
Nationality: Dual Australian/British

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Employment History

June 1995 – Aug. 1996	Senior Engineer (Guidance and Control), British Aerospace Dynamics Ltd, Bristol, UK. - principal roll-yaw autopilot design Engineer on work responding to Ministry of Defence requirements for a future medium range missile system. - research into the application of modern robust control techniques to missile autopilot design. - modelling of control loops and analysis of autopilot performance. - proposer and convener of an inter-BAe technical forum on control issues. - extensive experience of programming in Matlab and Simulink.
Feb. 1991 – Aug. 1991	Graduate Instrument Electrical Engineer, Woodside Offshore Petroleum Pty Ltd, Karratha, Western Australia. - statistical survey of equipment failure rates on Woodside's liquified natural gas (LNG) plant. - broad exposure to the operations of offshore exploration and production platforms and the general environment encountered in the oil and gas industry.
Oct. 1991 – Feb. 1995	Undergraduate Teaching, Department of Engineering, University of Cambridge, Cambridge UK. - supervising and laboratory demonstrating to final year undergraduates.
Nov. 1988 – Feb. 1989	The Center for Applied Computing and Engineering Technologies (ACET) Ltd, Perth, Western Australia. - design, prototyping and testing of a keyboard module for data logging equipment. - extensive use of C++, spreadsheets and assembly languages.

Tertiary Education

Oct. 1991 – Feb. 1995	Doctor of Philosophy in Control Engineering, Department of Engineering, University of Cambridge, Cambridge, UK. - dissertation title: *Performance-Preserving Controller Approximation.* - development of multivariable robust control techniques with particular focus on H-infinity robust control law design and approximation. - extensive modelling and simulation using Matlab, Simulink and Consol-Optcad. - member of Trinity College.
Feb. 1987 – Dec. 1990	Bachelor of Engineering with First Class Honours, Department of Electrical and Electronic Engineering, University of Western Australia, Perth, Western Australia. - top graduate in the Electrical Engineering stream. - strong foundation in the fundamentals of mathematics and physics with an emphasis on applied electro-mechanical engineering technologies.

Accomplishments and Awards

- The University of Western Australia Gledden Postgraduate Studentship (1991-1994).
- Overseas Research Studentship (1991-1994).
- Member of the 1989 Gledden Engineering Study Tour (to the U.S.S.R).
- Siemens Prize in Electrical Engineering (1990).
- PKE Achievers Award (1990).
- State Energy Commission Prize in Electrical Engineering (1990).
- Wesley College Citizenship Prize (1986).
- Donald Rae Memorial Prize for Scouting (1986).
- Queens Scout Award (1985).
- Wesley College Electronics Prize (1983,1984).

Activities and Interests

- President, Cambridge University Australian Society (1992-1995).
  – responsible for overseeing the organisation of annual social gatherings.
- Treasurer, Trinity College Punt Scheme (1992-1995).
  – responsible for an annual budget of £30000, managing three puntmen and overseeing maintenance of a fleet of 19 punts.
- Sports Representative, Trinity College Graduate Society (1993-1994).
  – responsible for organising a broad range of sporting events.
- Student Representative, Department of Electrical and Electronic Engineering's Staff Student Consultative Committee (1989,1990).
- Graduate Member, Institute of Engineers Australia (1991-present).
  – student member (1987-1991).
- Member, Gog Magog Golf Club (1992-1995).
  – member, Gosnells Golf Club (1986-1991).
- Member, Western Australian Cricket Umpires Association (1986-1991).
- Troop Leader, Wesley College Venturer Unit (1986).
- Other Interests: Squash, Cycling, Canoeing.

Most Recent Publications

P.J. Goddard, G.D. Wood and K. Glover. *"Approximation of Parameter Dependent Systems"*, Under Preparation, 1997.

P.J. Goddard and K. Glover. *"Performance-Preserving Controller Approximation"*, Accepted for publication, IEEE Trans. Auto. Cont., Sept. 1997.

G.D. Wood, P.J. Goddard and K. Glover. *"Approximation of Linear Parameter Varying Systems"*, Proceedings of the 35th IEEE Conference on Decision and Control, Kobe, Japan, 1996.

P.J. Goddard and K. Glover. *"A Graphical Interpretation of SISO H_∞ Controller Approximation"*, Proceedings of the American Control Conference, Seattle, 1995.

Please contact me for a list of publications prior to 1995.

References

Available on request.