SMITHS INDUSTRIES

Control Systems Engineer

November 1992 - April 1993

- Initial specification of Hardware/Software products for the Rig Test Facility for the RR/BMW BR710 engine controller. Initial specification of Transducer Simulation Boards Hardware/Software.

June 1989 - April 1990

- Proposal for a generic control system for the Allison 250 engine series.
- Test bed development and system identification of the Rolls Royce Tay 650 for control law development of an Engine Control Demonstrator at Staverton Testbed.

November 1983 - September 1987

- Research into Adaptive Control of Gas Turbine engines using RLS techniques.
- Offline System Identification of a Pegasus engine using Recursive Experiment PRBS perturbation methods at Staverton Testbed.
- Design and Development of Control System software written in 'PASCAL' for System Identification, Inverse Nyquist Array, Luenberger/Kalman State Obsevers, Controller Design and Correlation Analysis.