

FULL BIOGRAPHY

Name: Neil Andrew Ross **ACKROYD**

D.O.B: 02-08-1961. Huddersfield, England

Married to Kathryn with 2 children – ages 4 (Amy) and 7 (Luke)



Ordnance Survey September 2001-present

Executive Director responsible for Data Collection and Management in the Ordnance Survey . Board level responsibility for the 600 staff and £40 million budget involved in the capture and maintenance of the data supporting the National Geospatial Database. This involves driving the data collection strategies and implementation of new processes and systems to deliver efficiencies and value for money. Responsibility for Field Survey Data Collection, Photogrammetric Services, Data Acquisition, Quality and Data Management, Technical Development and Production Programs and Planning.

Collective responsibility within the board for developing and realising the Ordnance Survey Business plan meeting its commitment as a Trading Fund and supporting both public sector and commercial sector needs. Ordnance Survey operates as a self-supporting government department with a revenue income in excess of £100 million developed from the sale of large scale and small scale data and mapping products in the public and private sector.

Acting Director General and Chief Executive from December 2004 .

Trimble Navigation (Europe) Ltd 1990 - 2001

Senior Management responsibility as part of the Trimble European management team delivering year on year growth in Europe from \$4 million to \$65 million USD. Following the acquisition of Spectra Precision in summer 2000 European revenues increased to over \$140 million .

Business and the senior technical responsibility for Trimble in Europe and working closely with key accounts and strategic partners in developing new opportunities for Trimble's Surveying, GIS/Mapping and positioning solutions. Development of consultancy style relationships with both large commercial partners including major utilities, manufacturers, construction and oil companies and also government mapping and surveying organisations.

Profit and Loss responsibility for the €22 million construction systems business area- the highest targeted growth area within the Trimble portfolio. The application area focussed on the integration of positioning technology, machine automation and information technology to provide real time engineering capability.

Substantial international experience in Asia, the Middle-East, Africa, CIS, U.S and in Europe. Responsibility for maintaining the profile of the company in industry technical forums and for the development and adoption of technical and quality standards for GPS and complimentary data acquisition tools.

Racal Survey Limited 1982 -1990

Between 1985 to 1990 responsible for evaluating and commercially implementing a range of positioning and survey technologies including differential GPS for offshore operations. Geodetic survey and seismic operations in the Arctic, Australia, China, East Africa, Europe, Malaysia, . Full project management experience. Data Analysis and quality control responsibility for all positioning activities within an operational offshore survey organisation including operational analysis and testing of first generation commercial GPS receivers.

Qualifications:

Batchelor of Arts Dunelm (Honours) Geography,
1979-1982 .University of Durham.

Majoring in :

Satellite Remote Sensing

Systems Data Analysis/ Quantative Geography

Geographical Information Systems.

Professional: 1991-1995

UKOAA (United Kingdom Offshore Operators

Association) working group on quality control
for the use of Differential GPS in Offshore

guidelines
Surveying.

1995-1997

FIG (International Federation of Surveyors)
Commission 5 - GPS standards and methods

1995-1997

Royal Institute of Chartered Surveyors Working Group
on GIS/GPS Standards

1996-1998
GPS

Joint Engineering Survey Board Working Group on
for Setting-Out Practices

2000- present

University College London Industrial Advisory Board

2003- present

Board Member Pinpoint -Faraday Steering Group

2003- present

External Examiner Undergraduate Geomatics
Engineering University College London .

2004- present

Technical Advisory Board - British National Space
Centre

U.S Patent :

5,610,818. Remote Operated Computer Assisted Precise Pile driving and Drill Rig System
- Awarded March 11 1997.

Publications:

Papers

- (1) "Navstar GPS - A System Description" Racal Survey Ltd *May 1986*.
- (2) "Offshore Survey Control with Navstar GPS : Our North Sea Experience." Int. Symp. Queensland Aus. *Nov 1988*.
- (3) "A GPS Survey Network for North Sea Operations: Geodetic GPS for Differential GPS" RICS Symp. UK. *Nov 1988*.
- (4) "Operational Implications of a GPS Navigation System in the North Sea" Seminar on GPS Inst. Engineering Surveying And Space Geodesy, Nottingham University, UK. *April 1989*
- (5) "Operational Experience of Differential Kinematic GPS" NAV89, RIN Sat Nav Conference UK. *Nov 1989*
- (6) "Differential GPS and Data Links" DGON Hamburg, Germany. *Nov 1991*.
- (7) "Quality Control Considerations for Real-Time Differential GPS" NAV91, RIN Sat Nav Conference UK. *Nov 1991*
- (8) "The Application of Integrity Monitoring to Offshore seismic Survey Operations" NAVIGATION, , Vol.36 No.2 *May 1991*.
- (9) "The Application of GPS to Open-Pit Mining" iMSCON -Drakensberg, South Africa. *Nov 1994*.
- (10) "Real-Time Differential GPS at the Sub-Metre and Centimetre Level" SPS'94 Arab Inst. Navigation Conf. Alexandria, Egypt. *Dec 1994*
- (11) "Real-Time Surveying with GPS" Int.FIG Symp.- Cape Town, South Africa. *Feb 1995*.
- (12) "Real-Time Wide Area GPS at the Sub-Metre level" SPS'95 Arab Inst. Navigation Conf. Alexandria, Egypt. *Dec 1995*.
- (13) "GPS and Civil Engineering" Civil Engineering Surveyor Magazine GIS/GPS Supplement. *Autumn 1996*
- (14) "High Performance GPS in a High Dynamic, High Latitude Area" Trimble Surveying and Mapping Users Conference, San Jose USA. *Oct 1996*.
- (15) "GPS for Mining Applications" Mining World *March 1997*.
- (16) "Surveying at the Speed of Light (*Or nearly!*)" Civil Engineering Surveyor Magazine. *June/July 1997*.
- (17) "GPS System Developments for Construction Site Operations" iKusasa Consas Conference , South Africa. *Aug 1997*.
- (18) "Earthworks Scheduling and Monitoring" Trimble Surveying and Mapping Users Conference, San Jose USA. *August 1997. Geodetical Info Mag. May 2000*.
- (19) "Latest Developments in High Accuracy GPS Networks" FIG Conference- South Africa. *June 1999*
- (20) "Innovations in Machine Control and Guidance" GNSS May 2000 – Edinburgh. .
- (21) "Technical Developments at the Ordnance Survey" World of Surveying Newbury , UK May 2004

Books

"Global Navigation: A GPS Users Guide" -250pp. Lloyds of London Press. 1st Ed. *April 1990*. 2nd Ed. *May 1994*. ISBN 1-85044-517-6.
Co-authored with Robert Lorimer.