

## Curriculum Vitae: Kai Borre

Work:	Home:
Aalborg University	
Danish GPS Center	
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### Education

Chartered surveyor from The Royal Veterinary and Agricultural College, Copenhagen, June 1966

Magister scientiarum in geodesy from Copenhagen University, May 1969

Doctor technices from Graz Technical University, November 1986

### Positions Held

Scholarship at Copenhagen University 1966–1969

Fellow at Copenhagen University 1969–1972

Postgraduate studies at Vienna and Graz Technical Universities 1972–1973

Geodesy Assistant at Danish Geodetic Institute 1973–1976

Reader of Physical Geodesy at Copenhagen University 1974–1977

Professor of Surveying at Aalborg University 1976–

### Study Visits

Graz Technical University 1979–1980

Massachusetts Institute of Technology, May & September–October 1996,

March–April 1997, September & December 1999, August 2000,

November–December 2005, April–May 2006

Stanford University, September–October 2005, September–December 2007

### Guest Lectures and Tutorials Given

Darmstadt Technical University, 1975

CERN, March 1977 and April 1986

Delft Technical University, March 1978

Tutorials at “International School for Geodesy”, Erice, Sicily, May 1978

Stuttgart Technical University, May 1979

Hannover Technical University, May 1979

Graz Technical University, January 1980 and November 1982  
Norwegian Technical University, Trondheim, October 1980  
Royal Astronomical Society, January 1981  
Bundeswehr Hochschule, München, May 1983  
Vilnius Technical University, Vilnius, October 1991, August 1992, September 1993, September 1996, January 1998, May 1998  
The Ohio State University, Columbus, April, 1996  
Tutorials at “Mobile Location Workshop” on GPS, Espoo, June 2001  
Keynote Speaker at Nordic Matlab Conference: “Matlab and the Global Positioning System”, Copenhagen, October 21–22, 2003  
Stanford University, October 2005  
International GNSS Summer School, Berchtesgaden, September 2–9, 2007  
Stanford University, December 2007

## Science Management

Arranged meeting of Study Group 5B “Survey Control Networks” of Fédération Internationale des Géomètres at Aalborg in July 1982  
Member of selection committee for the chair as professor of geodesy, Royal Technical University, Stockholm, 1983–1984  
Member of selection committee for the chair as professor of surveying, Agricultural University, Ås, Norway, 1984  
Member of selection committee for the chair as professor of geodesy, Norwegian Technical University, Trondheim, 1989  
Subject adviser on “Den Store Danske Encyklopædi” 1993–2001  
Member of the Editorial Board for “Geodezija ir Kartografija”, Vilnius Technical University Autumn 1995–  
Member of committee for evaluation of the Geodetic Education at the Royal Institute of Technology at Stockholm, Lund University, and Helsinki Technological University, January 1996–August 1998  
Member of International steering Committee for 2nd International Conference “Civil Engineering and Environment”, Vilnius, September 26–27, 1996  
Member of selection committee for the chair as professor of geodesy, Agricultural University, Ås, Norway, 1998  
Danish representative in COST Action 716: Exploitation of Ground Based GPS for Climate and Numerical Weather Prediction Applications, January 1999–January 2004  
Member of International steering Committee for 3rd International Conference “Civil Engineering and Environment”, Vilnius, May 28–29, 1998  
Invited expert to Galileo European Multimodal Integrated Navigation User Service Study, Spring 2000  
Danish representative in COST Action 625: 3-D Monitoring of Active

Tectonic Structures, February 2000–  
Member of International steering Committee for 4th International Conference  
“Civil Engineering and Environment”, Vilnius, May 25–26, 2000  
Organizer of IMA Hot Topics Workshop: Mathematical Challenges in Global  
Positioning Systems, Minneapolis, August 16–18, 2000  
Chair of session “Algorithms and Methods” at National Technical ION  
Meeting, San Diego, January 28–30, 2002  
Member of International steering Committee for 5th International Conference  
“Environmental Engineering”, Vilnius, May 23–24, 2002  
Co-Chair of session “Carrier Phase-Based Positioning 1” ION GPS/GNSS,  
Portland, September 9–12, 2003  
Member of international committee for “Evaluation of Norwegian Research in  
Engineering Science”, 2004  
Member of International steering Committee for 6th International Conference  
“Civil Engineering and Environment”, Vilnius, May 26–27, 2005 and chairman  
for a session  
Editorial Board of “GPS Solutions”, 2005–

## Awards

As the first person appointed “Teacher of the Year” at Aalborg University,  
December 1990  
Knight of the Order of Dannebrog, February, 27, 1991  
Honorary member of Surveyors Union of Lithuania, October, 14, 1992  
Doctor Ingenium honoris causa from Vilnius Technical University, April, 14,  
1993  
Awarded Medal of Merit from Vilniaus Gedimino Technikos Universitetas,  
September 19, 1996

## Books

Landmåling. First edition 1990, second edition 1993. Reprinted 2002  
Mindste Kvadraters Princip anvendt i landmålingen. 1992  
GPS i landmålingen. 1995  
Linear Algebra, Geodesy, and GPS. Wellesley-Cambridge Press. 1997. With  
Gilbert Strang  
Plane Networks and their Applications. Birkhäuser. 2001  
A Software-Defined GPS and Galileo Receiver; Single-Frequency Approach.  
Birkhäuser. 2006. With Dennis Akos, Nicolaj Bertelsen, Peter Rinder and  
Søren Holdt Jensen  
Mathematical Foundation of Geodesy. Selected papers of Torben Krarup.  
Springer-Verlag, 2006