

## Curriculum Vitae

**Family name:** Stubkjær  
**First name:** Erik  
**Date of birth:** 3rd March 1941  
**Nationality:** Danish

### Education:

Institution	Year	Degrees, etc. obtained:
The Royal Veterinary and Agricultural University, DK	1964	Landinspektør (Chartered surveyor)
The Royal Veterinary and Agricultural University, DK	1969	Lic.agro. (PhD)
The National Survey and Cadastre, DK	1971	Surveyor's license
Aalborg University, DK	2002	Ph.D.-course: Critical Realism, 5 ECTS

### Present and previous positions:

Sept. 2008 -	Professor emeritus and External lecturer at Department of Development and Planning, Aalborg University
1977 - 2008	Professor at Department of Development and Planning, Aalborg University
1971 - 77	Principal at Ministry of Finance, Copenhagen. - Participation (secretary, head of working group) in development of national information system on buildings and dwellings
1969 - 71	Trainee and chartered surveyor at surveying company Erik and Jens Harboe, Holte, Denmark

### Honors and awards

Institution	Year	Grant
The Council of Helsinki University of Technology, Finland	2004	The Honorary Doctorate in Technology
The US National Science Foundation, on application by Dr. Barry Smith, University at Buffalo, Buffalo, NY	2003	Participation in the multi-disciplinary workshop: The Mystery of Capital and the Construction of Social Reality, with Hernando de Soto, Institute for Liberty and Democracy, Lima, Peru, and John Searle, University of California, Berkeley, hosted by the University at Buffalo, New York.
Aalborg University	1987	5 week study visit to university departments in the USA, focusing on research and teaching in Land and Geographic Information Systems

**Experience in research and international teaching**

2010	Review of research project for Research Council of Canada Review of research project for Czech Science Foundation (GA CR)
2007 - 2010	Initiated and supervised a Ph.D. research project: 'Mortgage Credit, Title Registration and Cadastre for Housing and Economic Development', performed in cooperation with VP Securities A/S, Denmark.
2008	Developed parts of a short course in Spatial Data Infrastructures for professionals, and lectured it in Valetta, Malta, and later in Dublin, Ireland
2006 - 2007	Prepared and implemented the semester study programme 'Land Management and Cadastral Development, focusing on Real Estate Taxation' for visiting MSc and PhD students.
2003 - 2007	Organized the course: 'Cadastral development - The contribution of scientific enquiry' at the International Doctoral School of Aalborg University for PhD students from European Union and neighbouring countries in 2003 and in 2005. The 2007-version focused more on Spatial Data Infrastructures and national needs.
2001 - 2004	Supervised the ph.d-project: Causes of Development of the Cadastre in Portugal.
2001 - 2005	Initiated and chaired the Management Committee of the research project 'Modelling Real Property Transactions', supported by ESF/COST as COST action G9. The project coordinated research in more than 10 European countries, including Greece, Hungary and Slovenia. Taking an Institutional Economics perspective, the project aimed at assessing the costs of transactions in real estate, e.g. the purchase of units of real property, mortgaging, and the identification and change of property units through cadastral processes. In order to relate activities to objectives and costs, the transactions were described in increasingly formal ways, abstracting from national peculiarities. The formalization process applied knowledge engineering approaches, aiming at the eliciting of core cadastral and legal ontologies.
2000 - 2001	Assessed for Higher Education Quality Evaluation Centre, Latvia, the MSc education at Latvia University of Agriculture, Jelgava, and Riga Technical University, Riga
1999 - 2007	Developed the course 'International Land Management' (Maa-20.375; 6 cr ~ 9ects) for the Helsinki University of Technology, Finland, and lectured it every 2nd year
1998 - 2001	Review of research projects, invited by the Academy of Finland, 1998, 2001
1996 - 2009	Developed an intensive one-week course: 'A theoretical base for cadastral development', for the Department of Real Estate and Construction Management, Royal Institute of Technology, Stockholm, and lectured it yearly
1996 - 1999	Initiated and coordinated the Phare/TEMPUS supported project: 'Improved Education on Environment and Infrastructure' (S-JEP 11001-96; Dept. of Geodesy, Ljubljana, Slovenia). The project regarded the restructuring of the study programme of the Department of Geodesy, Faculty of Civil and Geodetic Engineering, University of Ljubljana, Slovenia. Colleagues from university departments in Austria, Finland, the Netherlands, and Sweden were partners of the project, which resulted in a formally agreed renewal of the study programmes of the Department.
1992 - 2008	Member and 1997-99 chairman of scientific committee of Scandinavian Research Conferences in Geographical Information Sciences
1987 - 1990	Managed project, granted by the Danish Council of Technology, on development

of educational software (TR 1987-143/440-870313)
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### Selected publications:

Reviewed:

**Cagdas, Volkan; Stubkjær, Erik (2011)** Design research for cadastral systems *Computers, Environment and Urban Systems* 35 (1) 77-87

**Cagdas, Volkan; Stubkjær, Erik (2009)** Doctoral research on cadastral development *Land Use Policy* 26 (4) 869-889

**Stubkjær, Erik (2009)** Cadastre and Economic Development. In: Research Trends in Geographic Information Science. Navratil, G. (ed.). Springer Science+Business Media B.V. p. 265-277. (Lecture Notes in Geoinformation and Cartography).

**Stubkjær, Erik (2008)** The Cluster Enterprise of Real Property Business *Kart og Plan* Bergen, Norway, 68 (1) 34-44

**Stubkjær, Erik (2008)** The Institutionalization of Real Property Rights: The Case of Denmark. in: *The Mystery of Capital and the Construction of Social Reality.* / red. Barry Smith ; David Mark ; Isaac Ehrlich. Chicago, USA : Open Court Publishing Company, 2008. s. 229-260

**Stubkjær, Erik (2008)** Cadastre. in: *Encyclopedia of GIS.* Shekhar, S. & Xiong, H. (eds.). Berlin/Heidelberg : Springer p. 65-70.

**Stubkjær, Erik. (2007)** Cadastre. in: *Encyclopedia of Geographic Information Science: SAGE Reference project.* red. / Karen K. Kemp. Thousand Oaks, CA : Sage Publications, Inc.. s. 15-18.

**Stubkjær, Erik; Frank, Andrew; Zevenbergen, Jaap (2007)** Modelling real property transactions: an overview. in: *Real property transactions: Procedures, transaction costs and models.* / red. Jaap Zevenbergen; Andrew Frank; Erik Stubkjær. Amsterdam : IOS Press. s. 3-26

**Stubkjær, Erik; Lavrac, Ivo & Gysting, Christian (2007)** Towards national real estate accounts: The case of Denmark and other European jurisdictions. in: *Real property transactions: Procedures, transaction costs and models.* Zevenbergen, J., Frank, A. & Stubkjær, E. (eds.). Amsterdam : IOS Press. s. 119-142.

**Ottens, Maarten; Stubkjær, Erik (2007)** A socio-technical analysis of cadastral systems. in: *Real property transactions: Procedures, transaction costs and models.* Zevenbergen, J., Frank, A. & Stubkjær, E. (eds.). Amsterdam : IOS Press p. 143-166.

**Stubkjær, Erik (2006)** Sammenfatning: Ejendomsregistrering i Norden. (Summary: Property Registration in the Nordic Countries). in: *Ejendomsregistrering i de nordiske lande. Kort og Matrikelstyrelsen, 2006.* s. 311-337

**Stubkjær, Erik. (2006)** Modelling real estate business for governance and learning. in: *FIG Workshop on e-Governance, Knowledge Management and e-Learning.* April 2006, Budapest, Hungary. University of West Hungary. College of Geoinformatics. 16 s.

**Stubkjær, Erik (2005)** Accounting costs of transactions in real estate: The case of Denmark *Nordic Journal of Surveying and Real Estate Research.* 2 (1) 11-36

**Stubkjær, Erik (2004)** Matrikulær udvikling: er forklaring og påvirkning mulig? (Can cadastral development be explained and effected?). in: *Vidensgrundlag for handlen.* / red Jens Christensen. Aalborg : Aalborg Universitetsforlag. 187-225

**Stuckenschmidt, Heiner; Stubkjær, Erik; Schlieder, Christoph (Eds)(2003)** The Ontology and Modelling of Real Estate Transactions. International Land Management Series. Ashgate publishers, Aldershot, UK. ISBN 0 7546 3287 3. 186 p.

**Stubkjær, Erik (2003)** Modelling real property transactions. Pp. 1-21 in: *The Ontology and Modelling of Real Estate Transactions* : Aldershot : UK: Ashgate publishers.

**Stubkjær, Erik (2003)** Modelling units of real property rights, pp. 227 - 238 in K. Virrantaus, H. Tveite (Eds) *ScanGIS'03 Proceedings, 9th Scandinavian Research Conference on Geographical Information Sciences,* June 2003. Espoo, Finland. ISBN 951-22-6565-6.

**Silva, Maria A., Stubkjær, E. (2002)** A Review of Methodologies used in Research on Cadastral Development *Computers, Environment and Urban Systems.* 26 (5) 403 - 423

- Stubkjær, Erik (2001)** Integrating ontologies: Assessing the use of the Cyc ontology for cadastral applications. In: Bjørke, J T and Tveite H (Eds) ScanGIS 2001, Proceedings, 8th Scandinavian Research Conference on Geographical Information Science, June 2001. Agricultural University of Norway, Dept of Mapping Sciences. ISBN 82-576-9502-5. 171-184.
- Stubkjær, Erik (2001)** Spatial, Socio-economic Units and Societal Needs - Danish Experiences in a Theoretical Context. in: Frank, A U; Raper, J; Cheylan, JP (Eds): Life and Motion of Socio-Economic Units. GISDATA Series, no. 8. London, Taylor & Francis. 265-279
- Stubkjær, Erik & Henning Sten Hansen (Eds)(1999)** ScanGIS '99, Proceedings, 7th Scandinavian Research Conference on Geographical Information Science, June 1999. Aalborg University Press.
- Stubkjær, Erik & Lytje, Inger (1997)** Verbal and Graphical Representation of Route Descriptions. In: ScanGIS '97. Proceedings, The 6th Scandinavian Research Conference on Geographical Information Systems, June 1997 / Hauska, Hans (Ed). Stockholm, Royal Institute of Technology. ISBN 91 630 5577 5. 137 - 148.
- Lytje, Inger & Stubkjær, E. (1997)** Kartografisk repræsentation af rutebeskrivelser (Cartographic Representation of Route Descriptions). In: Sprog og Multimedier (Language and Multimedia) / Brøndsted, Tom; Lytje, Inger (Eds). Aalborg, Aalborg Universitetsforlag. 191-208.
- Stubkjær, Erik (1993)** Roads to cities, to geographic information systems, and to knowledge, in: P M Nobar & W Kainz (Eds) Proceedings, International Conference of Computer Based Learning in Science. Vienna, 18-21 December 1993. ISBN 80-7040-082-X. 521-529.
- Stubkjær, Erik (1992)** The development of national, multi-purpose spatial information systems - Danish experiences in a theoretical context. *Computers, Environment and Urban Systems* 16 (3) 209-217.

Invited, etc.

- Stubkjær, E., Hansen, C. J., Sørensen, E. M. & Sørensen, M. T. (2010)** Acquiring Land for Urban Purposes: A Sino-Danish Dialogue. Department of Development and Planning, Aalborg University. 13 p. Aalborg; Department Publication Series 2010-6.
- Stubkjær, Erik (2006)** The cadastre as a socio-technical system. *GIS Development : Asia Pacific : The monthly Magazine on Geographical Information Science*. 10 (6) June pp. 26-28.
- Stubkjær, Erik (2003)** The Institutionalization of Real Property Rights - The Case of Denmark. Paper, presented at the multi-disciplinary workshop The Mystery of Capital and the Construction of Social Reality, with Hernando de Soto, Institute for Liberty and Democracy, Lima, Peru, and John Searle, University of California, Berkeley, hosted by the University at Buffalo, Buffalo, New York, April 12 to 15, 2003
- Stubkjær, Erik (2003)** Ejendomsret til fast ejendom i Danmark. I: Fastighetsbegreppen i de nordiska länderna. Julstad, Barbro (Red) (ed.). Gävle : Sverige: Lantmäterivärket (LMV-rapport; 2003:3).
- Stubkjær, Erik (2002)** Modelling Real Property Transactions In: Proceedings of the FIG XXII International Congress, April 19-26, 2002, The International Federation of Surveyors, Washington D.C., USA. Copenhagen: FIG Office, Lindevangs Allé 4 : 2000 Frederiksberg.
- Stubkjær, Erik (1996)** A Theoretical Basis for Cadastral Development. Proceedings, Third Seminar of the European Co-operation Network for Education and Research in Land Information Systems (EUROLIS) September 1994, Delft. Faculty of Geodetic Engineering, Delft University of Technology, Delft. Pp 0.9-0.23.

**Language skills:**

Language competence on a scale of 1 to 5 (1 – excellent; 5 – basic)	Reading	Speaking	Writing
Danish	1	1	1
English	1	2	2
German	1	2	3

**Computer literacy:**

Established and maintained the website of the international research project: Modelling Real Property Transactions at <http://costg9.plan.aau.dk>. Contributes regularly to Danish and English Wikipedia. Familiar with the web standards HTML, CSS, SVG, XML, XSL. In the early 1990s, he developed educational software by means of the programming language PDC-Prolog.

**Other**

Stubkjær has served at committees for professorship (Norwegian University of Science and Technology, Trondheim, 1993; Agricultural University of Norway, 2001; 2002; University of East London, 2005), committees for doctorate (Royal Institute of Technology, Stockholm, 1996; Delft University of Technology, 2002; Agricultural University of Norway, 2002, 2004; Luleå University of Technology, 2004; Technical University of Vienna, 2006), and PhD fellow position (Aalborg University, 2006).

He is regional editor of Nordic Journal of Surveying and Real Estate Research, and in the editorial board of Geodetski Vestnik, the Journal of the Association of Surveyors in Slovenia. He is member of the Danish Association of Chartered Surveyors, and of the IT-section of the Society of Danish Engineers. During 1979-1988, he was member of the Tribunal of the Danish Association of Chartered Surveyors.

He used to lecture on the M.Sc. Programme in Surveying, mainly at 6th and 7th semester courses on land law and cadastral law, as well as legal and institutional issues related to Geographical Information systems. He facilitated the introduction in 1985 of a semester programme on Land Information Systems.

**Address, etc.**

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