

## CURRICULUM VITAE, August 2009

### Petter Næss

Aalborg University,

with part-time position at Oslo University College

**Name:** Petter Næss  
**Job Title/Profession:** Professor of Urban Planning, Dr. ing., Architect  
**Employers:** Aalborg University, Department of Development and Planning, Fibigerstræde 13, DK-9220 Aalborg East, Denmark (main employer), Oslo University College, Pb 4 St. Olavs plass, 0130 Oslo, Norway.  
**Born:** July 9, 1951  
**Nationality:** Norwegian  
**Languages:** Norwegian, Danish (written), English (fluent), German (fair), French (poor)  
**Countries of work:** Norway, Denmark  
**Professional Societies:** Member of the Danish Society of Urban Planners, The Danish Association of Architects, the Planners in Northern Jutland, the Norwegian Housing and Planning Association, and the Norwegian Association of Non-fiction Writers  
**Home addresses:** Badehusvej 2, DK-9000 Aalborg, Denmark and Hellerudgrenda 31 c, N-0672 Oslo, Norway

### Key Qualifications

Sustainable urban development, urban structure and travel, planning theory, philosophy of science, and driving forces of urban development.

### Education

Graduated in 1976 as an Architect majoring in Urban and Regional Planning from the University of Trondheim, The Norwegian Institute of Technology, Faculty of Architecture. Optional subjects: Philosophy, Sociology in planning, and Environmental issues. Defense of doctoral thesis (Dr. ing.) took place at the Norwegian Institute of Technology, Trondheim, in April 1995 Title of thesis: *Urban Form and Energy Use for Transport. A Nordic Experience.*

### Other training:

Educational program on Project Management 1986-1988 (10 courses each lasting one week), Norwegian School of Management.

### Employment positions

From 2001.06.01	Professor of Urban Planning, Aalborg University, Department of Development and Planning (Permanent appointment. From 04.03.01-06.06.31 20% part-time, currently 100% time)
From 2007.01.01	Professor II (20%) at Oslo University College
2007.01.01-2009.04.30	Senior Researcher (20%) at Institute of Transport Economics, Oslo
2004.03.01-2006.12.31	Senior Researcher, Norw. Inst. for Urban and Regional Research, Oslo. (From 06.07.01 20% time)
1998.02.01-2001.05.31	Professor of Physical Planning, Aalborg University, Department of Development and Planning (5-year temporary appointment)
1995.01.01-1998.01.31	Research Manager, Norwegian Institute for Urban and Regional Research
1993.01.01-1994.12.31:	Researcher and doctoral student, Norwegian Institute for Urban and Regional Research
1989.01.01- 1992.12.31:	Research Manager, Norwegian Institute for Urban and Regional Research
1988.02.15 - 1988.12.31:	Researcher, Norwegian Institute for Urban and Regional Research
1986.09.01 - 1988.02.14:	Senior Architect, Ministry of Environment, Oslo (mainly research and policy-making, including preparation of research programs)
1984.04.01 - 1986.08.31:	Senior Consultant, Ministry of Environment, (mainly research and policy-making)
1982.09.01 - 1984.03.31:	Consultant, Ministry of Environment (mainly evaluation of municipal plans)
1977.03.01 - 1982.08.31:	Several architectural and planning work (mainly as an employee of architectural firms, but also some jobs for a non-governmental environmental organization)

### International representation (selected tasks)

- Member of the juries for Aesop's Prize for Excellence in Teaching for Practice 2002 -2005, and the jury for Aesop's Prize for the Best Published Paper from 2005. Chairman of the latter jury from July 2007.
- Member of the International Editorial Board of the Global Planning Education Network (GPEAN)'s scientific journal "Dialogues in Urban and Regional Planning" (from 2009).
- Member of the Council of Representatives of Association of European Schools of Planning (Aesop) 1999 - 2008.
- Keynote speaker/presenter of Invited Paper at the International Conferences: "CITTA 2nd annual conference on planning research" in Oporto, May 15, 2009; "7<sup>th</sup> China Urban Housing Conference" in Chongqing, September 26-27, 2008; "Nordic Research Conference on Sustainable Urban Development" in Oslo, May 15-16, 2003, "Driving Forces of Mobility" in Stockholm, November 16 - 17, 2000; "Transport and Tourism in Sociology and Geography" in Roskilde, November 2, 2000; and "Land Use and Travel Behaviour" in Amsterdam, June 20, 2000.
- Member of the international expert team evaluating the Danish National Environmental Research Institute (NERI), August 2003, as chairman for the sub-panel on Environment & Society and Arctic Environment.

- Member of the evaluation committee for the midway evaluation of the 6-year Swedish research program “Den uthålliga staden” (The Sustainable City), financed by the Swedish Council for Building Research (Fall 1999 - Winter 2000).
- Rapporteur of the UN/ECE Eight Conference on Urban and Regional Research, Madrid, June 8-11, 1998.
- Member of ECE task force on «Major trends characterizing human settlements development» (1996-98)

**Teaching:** Course responsible for the following courses at Aalborg University:

*Ph.D. courses:*

- Economic Growth, Environmental Sustainability and Ecological Modernization (2007)
- Planning Theory - Advanced Study (1999, 2001, 2003)
- Planning Theory and Impact Assessment (2008)
- Critical Realism - a new paradigm for planning research? (2002)
- Critical Realism and Interdisciplinary Research (2009, with Oslo University College)

*Courses in Aalborg University's planning education:*

- Sustainable Urban Development (1 - 2 classes annually since 1998)
- Planning Theory (1 class annually 1999 – 2003 and from 2006)
- Applied Statistics in Planning-related Analyses (1 class annually 1998 – 2000 and 2007)
- Methods of analyses in planning (from 2008)
- Location theories and models of urban and regional development (from 2008)
- Traffic modeling (from 2007, course responsible from 2008)
- Urban Theory and Power (course responsible 2007)
- Planning the Complex City (Course responsible from 2009)

*Course in Aalborg University's geography education:*

- Location, transport and the environment (1 class annually since 2003)

*Course in Aalborg University's urban design education:*

- Traffic planning (since 2006)

**Ph.D. supervision:** Main supervisor for Thomas A. S. Nielsen (thesis defended April 2003); Claus Lassen (thesis defended February 2006), Anders Langeland (thesis defended March 2009) Hans H. W. Johannsen (thesis due 2009), Jin Xue (thesis due January 2012), Jeppe Andersen (thesis due august 2012) and Morten Nicolaisen (thesis due august 2012). Co-supervisor for Kristian Olesen (thesis due summer 2012).

**Research project management latest ten years:** 2009 – 2012 Uncertainties in transport project evaluation (Aalborg University's part of a joint project with DTU) – for the Danish Strategic Research Council. 2007-2009 The challenge of sustainable mobility in urban planning and urban development: A comparative study - for Volvo Research and Educational Foundation. 2005-2006 Residential location and travel in a large Chinese city - for Volvo Research and Educational Foundation. 2004 – 2005 Deviations between forecasted and actual traffic volumes among an international sample of large-scale road projects – for the Norwegian Research Council. 2004 Needs analysis in connection with early-stage planning of large-scale public-sector investment projects, and for a synthesis report on Assessment of needs, goals, flexibility and impact for the CONCEPT program. 1998 – 2003 Residential location and travel in three Danish urban areas and some Danish counties for the Danish Transport Council.

### **Others**

Pronounced to be competent for a professorship in land use planning at the Norwegian University of Agriculture (October 1995), for a professorship in town and regional planning at the Norwegian University of Science and Technology (October 1996/april 1997), for a professorship in physical planning at Aalborg University in Denmark (October 1997) and for a professorship in Urban Planning at Aalborg University (May 2001).

Pronounced to be competent as a Researcher 1 at the Norwegian Institute for Urban and Regional Research (from 1 July 1995).

External examiner for several doctoral courses since 1993 on Urban Ecology Planning Theory, Coordinated land use and transport planning, Sustainable housing and land use planning.

Opponent and chairman of the evaluation committees of the Ph.D. theses of Kim Lynge Nielsen (1999 and 2001), Carlo Aall (1999 and 2000) and Pia Bøgelund (2003) at Aalborg University, and member of the evaluation committees of the Ph.D thesis of Jan Scheurer (2001) at Murdoch University, Perth, Australia, and Joar Nordtug (2006 and 2007) at Norwegian University of Technology and Science.

Referee for papers submitted for 18 different scientific journals within the fields of planning, urban studies and social science research methodology

### **Publications**

*Books published by publishing firms:*

*Urban Structure Matters: Residential Location, Car Dependence and Travel Behaviour.* New York/London: Routledge, 2006. 328 pages

*Bilringene og cykelnavet. Boliglokalisering, bilafhængighed og transportadfærd i Hovedstadsområdet.* Aalborg: Aalborg University Press, 2006. 515 pages. Co-author: O. B. Jensen.

*Fysisk planlægning og energibruk.* Oslo: Tano Aschehoug, 1997. 285 pages.

*Scientific journal articles having been subject to referee reviewing:*

- "Residential Location, Travel Behavior, and Energy Use: Hangzhou Metropolitan Area Compared to Copenhagen." Forthcoming in *Indoor and Built Environment*, Vol. 18, Issue 5, October 2009.
- "The Emperor's Green Clothes: Growth, Decoupling and Capitalism." Forthcoming in *Capitalism, Nature, Socialism*, Vol. 20, Issue 3, September 2009. Co-author: K. G. Høyer.
- "Residential location, travel and energy use: the case of Hangzhou Metropolitan Area." Forthcoming in *Journal of Transport and Land Use*, Vol. 2, 2009.
- "Residential Self-Selection and Appropriate Control Variables in Land Use-Travel Studies." *Transport Reviews*, Vol. 29, 2009, Issue 3, pp. 293-324.
- "Interdisciplinarity, Ecology and Scientific Theory - The Case of Sustainable Urban Development." *Journal of Critical Realism*, Vol. 7, no. 2, 2008, pp. 5-33. Co-author: K. G. Høyer.
- "Rom i planleggingsperspektiv." (Space in a planning perspective.) *FORMakademisk*, Vol. 1, No. 1, 2008, pp. 45-57.
- "Virtual mobility and organizational reality - A critical view on the mobility need in knowledge organisations." *Transportation Research Part D*, Vol. 11, 2006, pp. 459-463. Co-authors: C. Lassen and B. Laugen.
- "Unsustainable Growth, Unsustainable Capitalism." *Journal of Critical Realism*, Vol. 5, no. 2, 2006, pp. 197-227.
- "Do road planners produce more 'honest numbers' than rail planners? : an analysis of accuracy in road-traffic forecasts in cities versus peripheral regions." *Transport reviews*, Vol. 26, 2006, pp. 537-555. Co-authors: B. Flyvbjerg and S. Buhl.
- "Are short daily trips compensated by higher leisure mobility?" *Environment & Planning B*, Vol. 33, 2006, pp. 197-220.
- "Cost-benefit analyses of transportation investments: neither critical nor realistic." *Journal of Critical Realism*, Vol. 5, No. 1, 2006, pp. 32-60.
- "Accessibility, activity participation and location of activities. Exploring the links between residential location and travel behavior." *Urban Studies*, Vol. 43, No. 3, 2006, pp. 627-652.
- "Residential Location Affects Travel Behavior - But How and Why? The case of Copenhagen Metropolitan Area." Extended article (35 000 words). *Progress in Planning*, Vol 63/2, 2005, pp. 167-257.
- "Prediction, Regressions and Critical Realism." *Journal of Critical Realism*, Vol. 3, No. 1, 2004, pp. 133-164.
- "Live and Let Die: The Tragedy of Hardin's Social Darwinism." *Journal of Environmental Policy and Planning*, Vol. 4, No.1, 2004, pp. 19-34.
- "Urban Structure Matters, Even in a Small Town." *Journal of Environmental Planning and Management*, Vol. 47, No. 1, 2004, pp. 35-56. Co-author: O. B. Jensen
- "Urban Structures and Travel Behavior: Experiences From Empirical Research in Norway and Denmark." *European Journal of Transport Infrastructure Research*, Vol. 3, No. 3, 2003, pp. 155-178.
- "Urban Land Use, Mobility and Theory of Science - Exploring the potential for Critical Realism in empirical research." *Journal of Environmental Policy and Planning*, Vol. 4, No. 4, December 2002, pp. 295-311. Co-author: O. B. Jensen
- "Conference tourism: a problem for the environment, as well as for research?" *Journal of Sustainable Tourism*, Vol. 9, No. 6, 2001, pp. 451 - 470. Co-author: K. G. Høyer
- "The Ecological Traces of Growth." *Journal of Environmental Policy and Planning*, Vol. 3, 2001, pp. 177-192. Co-author: K. G. Høyer
- "Urban Planning and Sustainable Development." *European Planning Studies*, Vol. 9, No. 4, 2001, pp. 503-524.
- "Wider Roads, More Cars." *Natural Resources Forum*, Vol. 25, No. 2, May 2001, pp. 147 - 155 . Co-authors: M. Mogridge and S. L. Sandberg.
- "Surviving between the trenches: Planning research, methodology and theory of science." *European Planning Studies*, Vol. 8, No. 6, 2000, pp. 729 - 750. Co-author: I.-L. Saglie.
- "Environmental considerations in physical planning under different Conditions: A Comparison of a Polish and a Norwegian Municipality." *Scandinavian Housing & Planning Research*, Vol. 15, no. 2, 1998, pp. 57-77. Co-authors: I.-L. Saglie, W. Glowacki and H. Dunin-Woyseth.
- "Energy Use for Transportation in 22 Nordic Towns." *Scandinavian Housing & Planning Research*, Vol. 13, 1996, pp. 79-97. Co-authors: S. L. Sandberg and P. G. Røe.
- "Workplace Location, Modal Split and Energy Use for Commuting Trips." *Urban Studies*, Vol. 33, No. 3, 1996, pp. 557-580. Co-author: S. L. Sandberg.
- "Central Dimensions in a Sustainable Urban Development." *Sustainable Development*, Vol. 3, No. 3, 1995, pp. 120-129.
- "Travelling Distances, Modal Split and Transportation Energy in Thirty Residential Areas in Oslo." *Journal of Environmental Planning and Management*, Vol. 38, No. 3, 1995, pp. 349-370. Co-authors: P. G. Røe and S. L. Larsen.
- "Normative Planning Theory and Sustainable Development." *Scandinavian Housing & Planning Research*, Vol. 11, No. 3, 1994, pp. 145-167
- "Transportation Energy in Swedish Towns and Regions." *Scandinavian Housing & Planning Research*, Vol. 10, No. 4, 1993, pp. 187 - 206
- "Can Urban Development be Made Environmentally Sound?" *Journal of Environmental Planning and Management*, Vol. 36, No. 3, 1993, pp. 309 - 333

*Book reviews*

- Review of Holden, E. 'Achieving Sustainable Mobility. Everyday and leisure-time travel in the EU'. *Journal of Environmental Planning and Management*, Vol. 51, 2008, pp. 471-472.
- Review of Lawson, J.: 'Critical Realism and Housing Research'. *Journal of Critical Realism*, Vol. 7, No. 1, 2008, pp. 154-160.

- "Vejenes kvindekultur - en vej til frigørelse?" Review of Oldrup, H.: 'Mellem hastighed og tilhør - erfaringer og fortællinger om hverdagsmobilitet.' Forthcoming in *Kvinder, Køn og Forskning*, No. 1, 2008.
- "Making Transportation Research Matter?" Review of Schram, S. & Catering, B. (eds.): 'Making Political Science Matter'. *Transport Reviews*, Vol. 28, No. 1, 2008, pp. 135-140.
- Review of Hine, J. & Preston, J.: 'Integrated Futures and Transport Choices.' In *Planning Theory and Practice*, Vol. 6, No. 4, 2005, pp. 550-551.
- Review of Barton, H. (ed.): 'Sustainable Communities: The Potential for Eco-Neighborhoods.' *Journal of Environmental Policy and Planning*, Vol. 3, No. 4, 2001, pp. 327-328.

*Selected scientific journal articles not subject to referee reviewing (only since 2000):*

- "Bærekraftig, bæredygtig eller noe helt annet? Byutvikling, byplanlegging og planleggeridealer i to hovedstadsregioner?" *Plan*, no. 3-4, 2009, pp 28-31. Co-authors: T. Næss, T. & M. Nicolaisen.
- "Et yndigt land under asfalt." *Plan*, no. 3-4, 2009, pp 68-71. Co-author: M. Nicolaisen.
- "A4 - Avmystifiserende ArealAlternativ-Analyse." *Plan*, no. 6/2008, pp. 54-59. Co-authors: A. Tennøy & A. Strand.
- "The impacts of job and household decentralization on commuting distances and travel modes: Experiences from the Copenhagen region and other Nordic urban areas." *Informationen zur Raumentwicklung*, Heft 2/3.2007, pp. 149-168.
- "Lager veiplanleggere ærligere prognoser enn jernbaneplanleggere?" (Do road planners make more honest projections than rail planners do?) *Plan*, no. 3-4, 2006, pp. 78-83. Co-authors: B. Flyvbjerg & S. Buhl.
- "Laver veiplanleggere ærligere prognoser end jernbaneplanleggere?" (Do road planners make more honest projections than rail planners do?) *Byplan*, No. 5-6, 2005, pp. 234-242. Co-authors: B. Flyvbjerg & S. Buhl.
- "Samferdselspolitikken lider under mangelfulle og misvisende analyser". (Transport policy suffers from faulty and misleading analyses.) *Samferdsel*, nr. 2/2005.
- "Bilringene og sykkelnavet – boliglokalisering, bilavhengighet og transportatferd i København-regionen." (The car tires and the bike hub – residential location, car dependency and travel behavior in the Copenhagen region.) *Plan*, no. 1, 2005, pp. 60-67.
- "Ambiente, svolta neoliberale e pianificazione nei paesi nordici" (From Rio to Johannesburg. concerns, neoliberal climate change and planning in the Nordic countries.) *Urbanistica* 124, Fall 2004, pp. 62-66 and 72-78. Text in Italian as well as in English. Co-author: Arvid Strand
- "Fortetting og transport." (Densification and transport.) *Plan*, no. 2, 2004, pp. 58-62.
- "Transportforskning og ligestillingspolitikk" (Transportation research and gender equality.) *Kvinder, Køn og Forskning*, No. 1, 2004.
- "Boliglokalisering, bilafhængighed og transportadfærd i Hovedstadsområdet." (Residential location, car dependency and travel behavior in Copenhagen Metropolitan Area.) *Byplan*, No. 6, 2003, p. 250-261.
- "Boliglokalisering og transport i Frederikshavn - et bidrag til diskussionen om byplanlægningens betydning for persontrafikkens udvikling." (Residential location and transport in Frederikshavn – a contribution to the discussion on the influence of urban planning on the development of travel.) *Byplan*, No. 6, 2001, pp. 255-267
- "Arbejdspladsløkalisering og transportmiddelvalg ved bolig-arbejdsrejser – eksemplet Aalborg." (Workplace location and modal choice – the case of Aalborg.) *Byplan*, no. 6, 2000, pp. 238 - 247. Co-author: J. S. Møller

**Book chapters, scientific reports and published papers (since 2000)**

- "Journey to Work." Forthcoming January 2010 in *Encyclopedia of Urban Studies*. Thousand Oaks/London/New Delhi: Sage Publications.
- The challenge of sustainable mobility in urban planning and development in Oslo Metropolitan Area*. TØI Report 1024/2009. Oslo: Institute of Transport Economics. Co-authors: T. Næss and A. Strand. (126 pages.)
- The challenge of sustainable mobility in urban planning and development in Copenhagen Metropolitan Area*. Department of Development and Planning Publication Series 2009-5. Aalborg: Aalborg University, 2009. Co-authors: T. Næss and M. S. Nicolaisen. (199 pages.)
- "Up-front assessment of needs." In Samset, K.; Sunnevåg, K. & Williams, T. (eds): *Making essential choices with scant information. Front-end decision-making in major projects*, pp. 85-105. London: Palgrave Macmillan, 2009.
- "Nyliberalisme i byplanlægningen." (Neoliberalism in urban planning.) In Lundkvist, A. (ed.): *Dansk nyliberalisme*, pp 231 – 264. Copenhagen: Frydenlund Publishers, 2009.
- "Gender differences in the influences of urban structure on daily-life travel." In Priya, T. & Cresswell, T. (eds.): *Gendered Mobilities*, pp. 173-192. Aldershot: Ashgate, 2008.
- "Væksten må stoppes." (The Growth Must Be Stopped.) In Nielsen, P. (ed.): *Brudflader - Økonomi og Samfund* 2007, pp. 119-134. Copenhagen: Frydenlund Publishers, 2008. (Also published in the journal *Rødt*, no. 1/2008.)
- Effektvurdering av store statlige investeringsprosjekter*. Concept rapport nr. 19. Trondheim: The Concept Program, 2007. Co-authors: Bjørn Andersen, Svein Bråthen, Tom Fagerhaug, Ola Nafstad and Nils Olsson.
- "Fra behov til konsept – om prosjekter og perspektiver i tidligfasen." (From need to concept – on projects and perspectives in early-stage planning.) In Sunnevåg, K. (ed.): *Beslutninger på svakt informasjonsgrunnlag. Tilnærminger og utfordringer i prosjekters tidlige fase*, pp. 21-40. Concept rapport Nr 17. Trondheim: Norwegian University of Technology and Science.
- Residential Location and Travel in Hangzhou Metropolitan Area*. NIBR report 2007:1. Oslo: Norwegian Institute for Urban and Regional Research. 357 pages
- "Urban and Regional Planning." In Hartwig, M. (ed.) (2007): *A Dictionary of Critical Realism*. London/New York: Routledge.
- "Ecology." In Hartwig, M. (ed.) (2007): *A Dictionary of Critical Realism*. London/New York: Routledge. Co-author: K. G. Høyer.
- "Cost-benefit-analyser, tal og usikkerhed." (Cost-benefit analyses, numbers and uncertainty) In Nielsen, P. (ed.) (2006): *Økonomi og Samfund* 2007, pp. 202-216. København: Frydenlund.

- Tidlig fase i store offentlige investeringsprosjekter. Vurdering av behov, mål, fleksibilitet og effekt.* (Early phase of large-scale public-sector investment projects. Assessment of needs, goals, flexibility and impact.) NIBR report 2004:22. Oslo: Norwegian Institute for Urban and Regional Research. Also published as Concept-rapport no. 9. Trondheim: NTNU. 91 pages. Main author. Contributions to the report have been received from O. J. Klakegg, N. Olsson and K. A. Brekke.
- Bedre behovsanalyser.* (Better need analyses) NIBR-report 2004:15. Oslo: Norwegian Institute for Urban and Regional Research. Also published as Concept-rapport 1050-1. Trondheim: NTNU. 164 pages.
- "Planlægning, prædiktio og videnskabsteori." (Planning, prediction and theory of science.) In Christensen, J. (ed.): *Vidensgrundlag for handlen*, pp. 149-186. Aalborg: Aalborg University Press, 2004. 27 pages
- "Byplanlægning og energiforbrug." (Urban planning and energy use.) In Arler, F. (ed.): *Humanøkologi: Miljø, teknologi og samfund*, pp. 283 - 306. Aalborg: Aalborg University Press, 2002.
- "Residential Location and Transport in a Small Danish Town." In Nielsen, L. D. and Oldrup, H. H. (eds.): *Mobility and Transport - An Anthology*, pp. 43 - 61. The Danish Transport Council, Note no. 01.03. Copenhagen: The Danish Transport Council, 2001.
- Boliglokalisering og transport i Frederikshavn.* (Residential location and transport in Frederikshavn.) ISP publications no. 256. Aalborg: Aalborg University, 2000. (Co-author: O. B. Jensen.) 256 pages.
- "Bærekraftig udvikling – hva kan arealplanleggerne gjøre?" (Sustainable development – what can land use planners do?) (23 pages.) In Fiskaa, H. and Skjeggedal, T. (eds.): *Planlegging og bærekraftig utvikling* (Planning and sustainable development), pp. 1 – 31. Trondheim: Tapir Akademisk Forlag, 2000
- "Fysisk planlegging og bæredyktighet." (Physical planning and sustainability.) In Naturraadet (2000): *Dansk naturpolitik – i bæredygtighedens perspektiv* (Danish nature policy – in the perspective of sustainability), pp. 132 – 147. Copenhagen: Danish Nature Council, 2000.