

Aija Staffans



1 Full name and date

Aija Katariina Staffans (née Paakkala)
female
1 September 2015

2 Date and place of birth, nationality, current residence

29 May 1957, Hämeenlinna
Finnish
Välskärinkatu 7 as 12
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3 Education and degrees awarded

Doctor of Science in Technology, Helsinki University of Technology TTK, 2004
Master of Science in Architecture, Helsinki University of Technology TTK, 1985
Matriculation Examination (Finnish), Hämeenlinnan yhteiskoulu, 1976

4 Other education and training, qualifications and skills

Managing an Academic Organization, Helsinki University of Technology TTK, 2008
Nordic Cities – Does Planning Succeed? Expert Program in Urban Planning (20 cr), Helsinki University of Technology TTK, Centre for Urban and Regional Studies, 1996-1997
Nominal Group Technique, coaching a teamwork facilitator, Helsinki University of Technology TTK, 1994
GIS – Visualization of Geographic information, TTK Dipoli, 1994

5 Linguistic skills

Finnish, excellent (mother tongue)
Swedish, good
English, excellent
German, good

6 Current positions

Senior Research Fellow, Aalto University, School of Engineering, Department of Real Estate, Planning and Geoinformatics (2011-present)
Visiting Professor, Politecnico di Milano, Department of Architecture and Urban Studies (academic year 2015-16)
Secondary occupation: Architect Studio Aija Paakkala (Arkkitehtitoimisto Aija Paakkala), director and owner of a private enterprise, 1986-present, responsible for some 150 housing design, renovation and detailed planning projects, 1 employee since 1994 to present

7 Previous work experiences

Teaching Research Scientist, Aalto University, Department of Architecture, 2010-2011

Laboratory Manager, Helsinki University of Technology TKK, Department of Architecture (Urban Planning and Design), 2003-2006, 2007-2009

Acting Professor in Urban Planning, Helsinki University of Technology TKK, Department of Architecture, 2006-2007

Researcher, PhD student, Helsinki University of Technology TKK, Centre for Urban and Regional Studies YTK, 1999-2002

Researcher, State Technical Research Center, 1990-1991

Laboratory Manager, Helsinki University of Technology TKK, Department of Architecture (Urban Planning and Design), 1986-1990, 1991-1998

Architect, Ympäristösuunnittelu OK, architectural planning and design of buildings and urban areas, 1981-1985

Architect trainee (detailed planning), City of Nurmes, Technical Office, 1984 (summer)

Architect trainee (building design), City of Hämeenlinna, Technical Office, 1977-1981 (summers)

Family leaves, two periods during 1989-92

8 Research funding as well as leadership and supervision

Leader of a research group comprised of ca 34 researchers and research assistants from 2004 to present:

- 12 major projects (funding > 100 k€) and 11 minor projects (funding < 100 k€), principal investigator in 18 projects (a detailed list available)
- total funding for the research team ca 3,7 million€

Official advisor of doctoral thesis: Heli Mäntylä (2011), Maarit Kahila-Tani (2016)

Official advisor of 7 doctoral theses in process: Eija Hasu, Otso Helenius, Sirkku Huisko, Tiina Merikoski, Pilvi Nummi, Katri-Liisa Pulkkinen

Official advisor of Master's theses (16 students): Kristina Karlsson (1998), Kristiina Rinkinen (2004), Saara Melama (2007), Pilvi Nummi (2007), Sini Meskanen (2008), Arvi Mäkitalo (2008), Liisa Palasto (2008), Tiina Merikoski (2009), Tero Dubrovin (2010), Antti Turkko (2010), Satu Lavinen (2010), Mia Bungers (2011), Kaisa Junkkonen (2011), Susa Eräranta (2013), Stanislava Gregorieva (2014), Elisa Andretti (2014)

Personal research grants:

Research grant on Pihlajisto Neighbourhood Strategy, City of Helsinki, 1995

Research grant on the built heritage of Carelian villages, Finnish Cultural Foundation, 1984

Extensive experience chairing associations, boards, committees, panels etc. (see further below)

9 Merits in teaching and pedagogical competence

Degree teaching at Aalto University (Master's Degree Programme in Creative Sustainability)

MUO-E8003 Systems Thinking 1 (former: Systems Thinking for Sustainable Communities), 2 cr, 2010-present

MUO-E8004 Systems Thinking 2 (former: Systems Thinking for Planners and Designers), 2 cr, 2010-present

Degree teaching at Aalto University, Department of Real Estate, Planning and Geoinformatics

Maa-78.3310 Housing and Planning, 5 cr, master level, 2013-present

Maa-78.3330 Urban Systems, 5 cr, master level, 2012-present

Degree teaching at Helsinki University of Technology, Department of Architecture

A-36.3326 Research Methodology, 5 cr, master and postgraduate level, 2005, 2007-2010

A-26.4600, 4401, 4402 Doctoral Stable I-III, research seminar, 5 cr, postgraduate level, 2005-2010

A-36.4620 Summer Seminar, 3 cr, postgraduate level, 2005-2006

A-36.180 Environmental and Land Use Legislation for Architects, 4 cr, master level, 1995-1997

Visiting teacher at Tongji University Design Factory, Urban City Cells Workshop, master level, October 2012

Visiting teacher at Politecnico di Milano, course: Design for the Smart City, 4 cr, master level, February 2014 and 2015

Invited critic at Politecnico di Milano, International Summer School OPEN CITY, August 2014

Visiting Professor, Department of Architecture and Urban Studies, course: Design for the Smart City, 4 cr, master level, February-March 2016

10 Awards, prizes and honours

Pro Helsinki, Golden Medal in recognition of distinguished service, Helsinki Neighbourhoods' Association, 2014

Apps4Finland, honourable mention for "Suunnittelun prosessipuu", 2013

Best Textbook of the Year Award, Helsinki University of Technology TKK, 2009

Golden Medal in recognition of distinguished service, Finnish Association of Graduate Engineers TEK, 2001

Ecological Neighbourhood Renewal in Ristinummi Vaasa, shared 2nd Prize in an architectural design competition (Team Olli Maijala, Jouko Mähönen, Aija Staffans), 1996

Master's Thesis of the Year, Finnish Housing Fair Co-op, 1985

"Fingers with Sight", 3rd Prize in a product design competition, Finnish Federation of the Visually Impaired, 1979

11 Other academic merits

Memberships and positions of trust in scientific and professional societies:

Finnish Technology Foundation TES

- board member, 1998-2013
- review of postgraduate architecture study scholarship applications, 2001-2013

KAUTE Foundation, supporting and promoting scientific research in business and engineering

- council member, 2010-present

Finnish Foundations' Post Doc Pool

- review of architecture and construction grant applications, 2011-2013

Nordic Association for Architectural Research

- board member, 2004-2005, 2009

CICERO Learning Network

- member of the network, 2006-present
- member of the CICERO Colloquium at Stanford University, 2006

Helsinki University

- City Campus Advisory Board, member, 2007-2009

The Finnish Association of Architects SAFA

- member, 1984-present
- council member, 2000-2003
- board member, 2003
- committee on research and education, chair 2003-2006
- committee on research and education, member 1996-2002
- committee on professional ethics, chair 2007
- Hesa-Safa (affiliate), board member 2001-2002

The Finnish Association of Graduate Engineers TEK

- member, 1984-present
- council member, 1987-1989
- board member, 1990-1993
- committee on member affairs, chair 1994-1997

Building Information Foundation RTS

- General Meeting Representative, 2001

Administrative responsibilities and positions of trust at Aalto University:

- Academic Affairs Committee, School of Engineering, member 2011-present
- Academic Round Table for Sustainability, member of the group, 2012-present
- Otaniemi Campus Development, Steering Group, member of the group, 2015-present
- Otaniemi Campus Development, Working Group on Land Use, chair of the group, 2015-present
- Campus2015, open international architectural design competition for the Otaniemi central campus of Aalto University, member of the jury, 2012-13
- Aalto University Living+ Platform, member of the board, 2015-present
- Aalto University Human-Centred Living Environment Programme, head of programme preparation, 2012
- Collaborative platforms for AaltoENG and AaltoARTS, secretary of the working group on land use planning, 2011

Reviewer tasks in scientific journals:

- International Journal of E-Planning Research (IJEPR), member of the Editorial Review Board, 2010-present
- Finnish Journal of Urban Studies (Yhdyskuntasuunnittelu), reviewer, 2004-present
- Built Environment, reviewer, 2012
- Nordic Journal of Architectural Research, reviewer, 2004

Organisation of conferences and workshops:

- The 4th Symposium of Architectural Research in Finland, member of the Scientific Committee, 2012
- World Sustainable Building Conference SB11, member of the Scientific Committee, 2010-2011
- Regional Sustainable Building Conference SB10, member of the Scientific Committee, 2009-2010
- The 1st Symposium of Architectural Research in Finland, member of the Organizing Committee, 2009
- Nordic Symposium on Architectural Research, Helsinki, member of the Organizing Committee, 2004

12 Scientific and societal impact of research

Publications, altogether 61 volumes and articles, mostly targeted at the professionals in the practice of architecture and urban planning (see the list of publications)

Over 200 invited talks, public talks, panel discussions, media events, etc. arranged by the environmental administration, municipal organisations, facilities and construction industries, professional and industrial interest groups, political bodies, NGOs etc. (a detailed list available)

Visiting commentator or interviewee in the field of urban planning and housing for the Finnish Broadcasting Company YLE and for the Finnish commercial television channel MTV3 (a detailed list available)

Research-related expert duties and policy-advise tasks:

Ministry of Environment

- Assessment of the effectiveness of The Land Use and Building Act, 2011-2012
- Energy Efficient Built Environment ERA17, member of the national task force, 2010 (a joint effort by the Ministry of Environment, The Finnish Funding Agency for Technology and Innovation TEKES and the Finnish Innovation Fund SITRA)
- Low2No Visit in Japan, member of the delegation, 2010
- Urban Policy and City Development, member of the working group, 1994-1995
- Renewal of the Steering System in Land Use Planning, member of the working group, 1993-1994

Green Building Council Finland

- committee on sustainable communities, member 2013-present

The Finnish Funding Agency for Technology and Innovation TEKES

- evaluation of the Sustainability Community Programme, 2012
- feasibility study for the Sustainable Community Programme, 2008

Finnish Innovation Fund SITRA

- Reinventing Planning, talk at the Round Table, 2009

City of Helsinki

- Helsinki Land Use Vision 2008, consultant, 2006
- Helsinki for All, project on accessibility, member of the steering group, 2004-2007
- Helsinki Security Strategy, member of the steering group, 2006

The State of the Built Environment ROTI

- member of the specialist panel on land use planning, 2010-2011

Confederation of Finnish Industries EK

- Oivallus Project - competence needs of learning in tomorrow's Finland, member of the working group 2008-09 and the Shanghai Delegation 2011
- Built Environment and Sustainable Construction, talk at the Round Table of the Confederation of Finnish Construction Industries RT, 2011

Metsähallitus (state enterprise) and Lapland Hotels (private enterprise)

- Ylläs Tourist Resort, Architectural Design Competition, member of the jury, 2010

The Best Finnish Residential Area Competition

- chair of the jury, 2006

Joint efforts and cooperation with industry, trade and business life (external funding partners in research projects):

- Construction industries: Asuntosäätiö, EKE, Lemminkäinen, NCC, SATO, Skanska, SRV, YIT, VVO
- ICT: Adminotech, Elisa, Microsoft, Nokia
- Services: Aalto University Properties, Fortum, Laatumaa, Lappset, Martela, Otaniemi Marketing
- Public organisations: Finnish National Board of Education OPH, The Association of Finnish and Regional Authorities (Kuntaliitto), YTV, City of Helsinki, City of Espoo, City of Vantaa, City of Tampere, Municipality of Sipoo, Municipality of Kolari

13 Positions of trust in society and other societal merits

City of Helsinki

- Real Estate Committee, member, 1997-2000

Honorary Fellowship of Aalto University Students, Pyöreän Tornin Kilta PTK

- invited member since 1985
- president, 2010-2011

Helsinki Neighbourhoods' Association HELKA

- president, 2004-2014

Students' Association of the Helsinki University of Technology TKY

- council member, 1980-1983
- board member, 1983
- numerous other assignments

See appendix List of publications