

CURRICULUM VITAE

FULL NAME

Surname (also earlier surnames), given names: Smeds (Hirvensalo), Riitta Johanna

Gender: Female

DATE AND PLACE OF BIRTH, NATIONALITY, CURRENT RESIDENCE

Date and place of birth: March 14th, 1952, Helsinki

Citizenship: Finnish

Residence: Linnaistentie 70, 01640 Vantaa, Finland

EDUCATION AND DEGREES AWARDED

- D.Sc. (Tech.), Helsinki University of Technology TKK, Major: Industrial Engineering, 1996;
- Lic.Sc. (Tech.), Helsinki University of Technology TKK, Major: Industrial Engineering, 1990;
- M.Sc. (Tech.), Helsinki University of Technology TKK, Major: Industrial Engineering, 1976.
- Title of docent: 1) Business Process Development, TKK, 1999 – 2004; 2) Management and Technology, Hanken School of Economics, 1998 –

LINGUISTIC SKILLS

- Finnish (mother tongue)
- English (fluent)
- German (fluent); Großes deutsches Sprachdiplom, Ludwig-Maximilians-Universität zu München, 1973
- Swedish (fluent); Fullständigt behärskande av svenska språket, Valtion kielitutkintolautakunta, 1997.
- French (basic)

CURRENT POSITION

- Full Professor of Business and Service Processes in Digital Networks (TKK, Department of Computer Science and Engineering, 1.3.2007 – 31.12.2009, since 1.1.2010 Aalto University School of Science, Department of Industrial Engineering and Management).

MOST IMPORTANT POSTS AND FULL-TIME POSITIONS IN TEMPORAL ORDER

1. Full Professor of Business and Service Processes in Digital Networks, 1.3.2007 - .
2. Senior Scientist of the Academy of Finland, 1.8.2009-31.7.2010, on leave from the professorship.
3. Professor (pro tem) of Information Networks, TKK, Dept of Computer Science and Engineering, 1.5.2006-28.2.2007
4. Professor of Information Networks, TKK, Department of Computer Science and Engineering, 1.5.2001- 30.4.2006 (five-year professorship).
5. Senior Research Fellow, Academy of Finland, appointment for five years 2000-05, until 1.5.2001.
6. Professor (acting), Kvinnoforskning, med spec. inriktning på företagsledning och organisation (Gender studies in management and organization), Hanken, Department of Management and Organization, Autumn semester 1997.
7. Founder and Director of Enterprise Simulation Laboratory SimLab at TKK and Aalto 1998-2015
8. Leader of SimLab research group at Aalto DIEM / Operations and Service Management, 2016 -
9. Lecturer, TKK, DIEM, 1996-2000.
10. Associate Professor (acting), TKK, DIEM, 1991-96.
11. Lecturer (acting), TKK, DIEM, 1979-83.
12. Research Assistant, Academy of Finland, 1984-86.
13. Research Assistant, TKK, DIEM, 1983-84.
14. Assistant, TKK, DIEM, 1976-79.

RESEARCH FUNDING, RESEARCH LEADERSHIP AND SUPERVISION

Since the year 2000, *Principal investigator and supervisor of research* in 37 research projects with competitive external research funding for the total volume of **15,8 M€**, granted by Tekes and companies, the Academy of Finland, The Federation of Finnish Technology Industries Centennial Foundation, and the EU Commission. In 2015 -2021, Research Partner in the Strategic Research

Council's consortium project "Digital Disruption of Industry", leading the co-project "Transformation through interventions".

SUPERVISOR OF POST DOCS

- supervision of research of 5 post docs since 2010

NOMINATED SUPERVISOR OR CO-SUPERVISOR OF THESES TKK, HANKEN, AND AALTO

1. Doctoral Theses: 13 supervised; 4 co-supervised; advisor of 1 as emerita (ongoing)
2. Licentiate's Theses: 6 supervised
3. Master's Theses: 180 supervised

MERITS IN TEACHING AND PEDAGOGICAL COMPETENCE

- Pedagogical training:
 - Basic course in pedagogy for university teachers in 1984. (Pioneering course of university pedagogy in Finland, organized by the Ministry of Education, and run by associate professor Terttu Gröhn, research assistant Yrjö Engeström, and researcher Pentti Hakkarainen, later leading scientists in Finland in the field of education).
- Merits:
 - Developer and responsible professor of the teaching in the Master' level major "Business Process Networks", later called the advanced Master's level module (20 ECTS) in the Degree Program of Information Networks at Aalto School of Science.
 - The courses use SimLab's research projects as teaching platforms, and apply process simulation and co-design methods in project-based teaching where the students facilitate and analyze the development of real-life inter-organizational processes. SimLab's simulation space and methods as well as video analysis methods are applied in graduate and post-graduate education.
 - Pedagogical leadership of the development of new teaching methods and courses that are based on collaborative knowledge creation applying virtual collaboration tools.

AWARDS, PRIZES AND HONOURS

- The 2012 Project Management Journal® Paper of the Year Award to the paper: Alin, P. Taylor, J. E; Smeds, R. (2011): Knowledge transformation in project networks: a speech act level cross-boundary analysis. Project Management Journal, 42, 4, 58-75. Donor of the reward: PMI, Project Management Journal®
- John Bessant Best Paper Award: Feller, J., Parhankangas, A. & Smeds, R. 2004: 'Process Learning in Alliances. Developing Radical and Incremental Innovations: Evidence from the Telecommunications Industry'. 5th International Continuous Innovation Network (CINet) Conference, Sydney, September 2004. pp 473-489.
- Burbidge Award for the Best Paper: Lavikka, R., Smeds, R., Jaatinen, M. and Valkeapää, E. 'Coordinating the Service Process of Two Business Units towards a Joint Customer'. IFIP WG 5.7 APMS 2007 conference, Linköping University, September 2007.

SCIENTIFIC EXPERT POSITIONS

1. **External examiner of 6 doctoral theses:** University of Zaragoza, Department of Production and Quality Engineering, Spain (2000); Turku School of Economics and Business Administration, Finland (2001); University of Western Sydney Macarthur, Australia (2002); NTNU, Department of Production and Quality Engineering, Norway (2013); University of Groningen, The Netherlands (2017), NTNU Norway (2108)
2. **Opponent of 12 doctoral theses:** University of Aalborg, Denmark, Department of Production (1994; 1996; 2005); NTNU, Norway, Department of Production and Quality Engineering (1997; 1999; 2013); University of Zaragoza, Department of Production and Quality Engineering, Spain (2000), Turku School of Economics and Business Administration (2001); Lund University, Department of Design Sciences, Sweden (2004); Jyväskylän University (2016); University of Groningen, The Netherlands (2017); NTNU Norway (2018)
3. **Expert for the appointment of 14 professors / docents:** (1) University of Jyväskylä, Finland: Professorship: educational use of information technology, 2004; (2) University of Aalborg, Center of Industrial Production, Denmark: Professor with special duties in Organization Design and Change, 2005; (3) NTNU, Norwegian University of Science and Technology, Department of Production and Quality Engineering: professorship: Value Chain Management, 2005; (4) NTNU,

Norwegian University of Science and Technology, Department of Production and Quality Engineering: Professorship: Production and Quality Engineering (Production Logistics), 2007; (5) Aalborg University, Professor in Strategy and Organisation at Center for Industrial Production, 2008; (6) Aalborg University, Position No 50056 - Professor MSO in Problem Based Learning at Department of Media Technology, 2008; (7) University of Helsinki, Faculty of Behavioural Sciences, Professorship in the field of Brains, Learning and Education, 2010. (8) Royal Institute of Technology KTH: position of associate professor (tenure track) in Transport Systems, 2011; (9) Aalto University School of Science: Service engineering and management, tenure track position. 2012; (10) Royal Institute of Technology KTH: evaluator for the title of docent (the highest grade in the Swedish academic system), 2012; 11 (2013) Aalto University, Professorship in Service Engineering and Management (tenure track); 12 (2016) Aalto University, Professorship in Design, especially Strategic Design (tenure track); Royal Institute of Technology KTH: Evaluator for Associate Professor in Health Care Logistics (tenure track) (2017); University of Helsinki, Evaluator for Associate Professor in Digital Learning at Work (tenure track) (2017)

INTERNATIONAL AND NATIONAL PEER EVALUATION COMMITTEES OF FUNDING

- **International:** EU Esprit IV Framework Programme 1998: EU IST Programme 2000; Italian Ministry for University and Research, 1999; Research Council of Norway, Committee for Technology, 2007-10.
- **National:** Academy of Finland, Research Council for Science and Technology, 1995-97; Työsuojelurahasto, 1998-; HeCSE, Helsinki Graduate School in Computer Science and Engineering, 2001-07; GSNIS, Graduate School on Networks for Information Society, 2004-05; Science Foundation for Women, 1996-2009.

MEMBERSHIPS AND POSITIONS OF TRUST IN SCIENTIFIC AND SCHOLARLY SOCIETIES

- Science Foundation for Women, "Vetenskapsstiftelsen för kvinnor - Naisten Tiedesäätiö", Board of Trustees, member, 1996 - 2009, chair 2001 – 09
- IFIP Working Group 5.7 on Integrated Production Management, member, 1997 -
- IFIP TC 5, Information technology application, Finnish national representative, 2001 –
- IFIP WG 5.7. Special Interest Group on Experimental Interactive Learning in Industrial Management, Founding member 1994 -, chair, 2000 -
- IFIP WG 5.7 Honorary Member, nomination in September 2020
- Academy of Finland, Advisory Board of the History Working Group, member 2001 – 07
- European Academy of Industrial Management AIM, Fellow, 2004 –
- The Finnish Academies of Technology FACTE, Expert group on ICT, member 2005 –07
- Cicero Learning, coordinated by University of Helsinki, Founding Board member, 2005 – 2011

ORGANIZATION OF INTERNATIONAL SCIENTIFIC CONFERENCES AND WORKSHOPS

- Program Committee Member and Session Chair in over 50 international conferences since 1996
- Organizer and chair of six international conferences in Espoo, Finland: **1)** 3rd International Workshop of the Special Interest Group on Experimental Interactive Learning in Industrial Management, Espoo, Finland, 1997; **2)** 4th International CINet conference 'Continuous Innovation in Business Processes and Networks', Espoo, Finland, 2002.; **3)** 9th International Workshop of the Special Interest Group on Experimental Interactive Learning in Industrial Management, Espoo, Finland, 2005; **4)** IFIP WG 5.7 APMS 2008 conference "Innovations in Networks", TKK, September 14-17, 2008; **5)** 15th International Workshop of the Special Interest Group on Experimental Interactive Learning in Industrial Management, Espoo, Finland, 2011; **6)** CO-CREATE 2013 The boundary crossing conference on co-design in innovation, Espoo, Finland, June 16-19, 2013.

MEMBER OF EDITORIAL BOARDS OF INTERNATIONAL JOURNALS

- Knowledge and Process Management. The Journal of Corporate Transformation, 1997 –
- International Journal of Entrepreneurship and Innovation Management, 1998 –
- International Journal of Production Planning and Control, 2001 –

SCIENTIFIC REVIEWER OF JOURNALS, PROPOSALS AND APPLICATIONS

International Journal on Concurrent Engineering Research and Applications CERA; the International Journal of Production Economics; the International Transactions of Operational Research ITOR; the Finnish Journal of Administrative Studies; Computers in Industry; Production Planning and Control

ADMINISTRATIVE RESPONSIBILITIES AT TKK AND AALTO UNIVERSITY

- Responsible professor for teaching and research in the field Business Process Networks
- Chair of the Degree Program Committee of Information Networks, 2002 – 03
- Chair of the Structural Reform Group of Information Networks Degree Program, 2003 – 05
- Deputy member of the Department Council of Computer Science and Engineering, 2001 – 09
- Member of the Internal Strategy Committee of TKK, 2005 – 2007
- Master of Ceremony at the Ceremonial Conferment of Doctoral Degrees in total 4 times: the Ceremonies in 2005 and 2008 of TKK, the Ceremony in 2010 of Aalto University School of Science and Technology, and the Ceremony 2012 of Aalto University schools of technology.
- Member of TKK's 100th anniversary committee 2007 - 08
- Member of Aalto Service Factory, Scientific Advisory Board, 2010 –
- Member of the Steering Group of the Aalto/CS doctoral education network STEAM-LET 2015-18
- Member of the Doctoral Program Committee of Aalto University School of Science 2012 - 2019

INVITED KEYNOTE LECTURES ABROAD

- 19.-21.3.2001 Aalborg University, Denmark, Department of Production
- 20.4.2002 Cambridge University, UK, Moller Centre
- 26-29.6.2003 Stratford upon Avon, UK, European Academy of Industrial Management AIM
- 5.-8.10.2003 University of Karlsruhe, Germany, IFIP WG 5.7 (poster session keynote)
- 18.3.2004 Lund University, Department of Design Sciences, Sweden
- 22.6.2004 University of Zaragoza, Spain
- 27.9.2004 Chemnitz University of Technology, Germany
- 4.8.2005 NTNU, Trondheim, Norway
- 14.10.2005 Stanford University, Department of Education and SCIL, USA
- 30.3.2010 Stanford University, Department of Civil & Environmental Engineering, CRGP
- 18.2.2011 Pärnu, Estonia, The Annual Conference of the Society of Estonian principals
- 18.6.2013 Stockholm, KTH, ISAGA conference keynote: Co-development interventions for process innovations in networked business
- 17.9.2016 University of Gent, Belgium. European Academy of Industrial Management AIM

SCIENTIFIC AND SOCIETAL IMPACT OF RESEARCH

- Total number of publications (published/accepted) 209; In classes A:149; B: 8; C: 27; D: 20; E: 3; G: 3

POSITIONS OF TRUST IN SOCIETY AND OTHER SOCIETAL MERITS

Positions:

- Secretary, Technology Division of the Consultative Committee to Industry in Finland, 1980-81
- Secretary of two technology assessment projects of the Finnish Engineering Societies STS and Tfif, 1) 'Finland 2000: Threats and opportunities of global development', 1981-82; 2) 'Man in 2000: Technology, values, and society', 1983-85
- Columnist, Helsingin Sanomat, monthly articles in technology, environment and society, 1986-88
- Columnist, Tietoviikko, articles in business process development and ICT, 2000 – 2001
- Chair of the Interest Group on 'Women and Information Technology' in Finland, 2001- 03
- Board member of the City Program for the Helsinki metropolitan area 2001-02.
- Steering Group member and representative of TKK in the 'Osterinet' working group of the City of Espoo: Initiative to promote e-Learning in schools, 2001 - 03
- Steering Group member and representative of TKK in the 'Opinmäki' working group of the City of Espoo: Future school for the garden city of the information age, 2004 - 2007
- Steering Group Member and representative of TKK in the 'Innovative City' program of the City of Helsinki and TKK (later Aalto), 2006 –

Awards:

- The Engineering Society's Award "Jetoni" 1985, for the technology assessment projects "Finland 2000" and "Man in 2000".
- TKK pronssinen palvelumerkki 2006 (bronze medal for service, Helsinki University of Technology)
- Valtion virka-ansiomerkki 2008 (medal for merits, State of Finland)
- EspooAmbassador of the year 2010