

Rundan 91
14645 Tullinge

Phone 08 7783640, 073 0977864
E-mail lars.taxen@telia.com
Web www.neana.se



Lars Taxén, Associated Professor

Summary	<p>Worked in the telecom industry between 1968-2003 (Ericsson)</p> <p>PhD at Linköping University in 2003</p> <p>Docent (associate professor) at Linköping University in 2007</p> <p>Now researcher and consultant</p>						
Education	<p>Basic education (student) Lundellska Läroverket, Uppsala, May 4th, 1963</p> <p>M.Sc.E.E, Royal Institute of Technology, Sept 19th, 1968</p> <p>Mathematical Statistics, Sthlms Universitet 1980</p> <p>Mathematical computer science , Linköping University , June 10th, 1986</p> <p>Ph.D. Linköping University, March 25th, 2003</p> <p>Assistant Professor (docent), Linköping University, Feb 27th, 2007</p>						
Language	<table><tr><td>Swedish</td><td>Mother tongue</td></tr><tr><td>English</td><td>Fluent</td></tr><tr><td>German</td><td>Understand, simple talk</td></tr></table>	Swedish	Mother tongue	English	Fluent	German	Understand, simple talk
Swedish	Mother tongue						
English	Fluent						
German	Understand, simple talk						
Significant performance	<p>Between 1989 and 1990 I was a department specialist in the area of Computer Aided Design which, at Ericsson, was a technical career position with the status equal that of a line manager responsible for about 100 persons.</p> <p>As a technical manager at Ellemtel between 1994-1995 I was the top-level responsible for the hardware development support system at Ellemtel. This had equal status as the line manager for the same system (including about 50 persons).</p> <p>In 1997 I took the initiative to use the Matrix Product Data Management (PDM) system for supporting the coordination of incremental development of SW at Ericsson. Between 1997 and 2002 I had several positions related to this: technical project manager, technical responsible, information system architect, information system coordinator, etc. This system had profound impacts at Ericsson and is now the backbone in the coordination of the development of the 3rd generation of mobile systems.</p> <p>Between 1998 - 2003 I worked halftime towards my Ph.D. in parallel with my work at Ericsson. The combination of a long industrial experience with rigorous research findings resulted in the "Activity Domain Theory", now published as a book by IGI Global. This theory is an attempt to integrate technical, social and individual aspects into a coherent whole based on the praxis philosophy. This approach has turned out to be productive in both research and my profession as a consultant.</p>						

Work experience	<p>1968 - 1983 Methods and Tools developer, Ericsson AB</p> <p>1983 - 1989 Line manager CAD Transmission, Ericsson AB</p> <p>1989 - 1990 Department Specialist, CAD Transmission, Ericsson AB</p> <p>1990 - 1990 Project Manager VHDL Pilot project, Ericsson AB</p> <p>1990 - 1994 Process Designer HW, Ellemtel AB</p> <p>1994 - 1995 Technical Manager, HW, Ellemtel AB</p> <p>1995 - 1996 Process Designer SW & HW, Ellemtel AB</p> <p>1996 - 1998 Method Developer of Incremental dev. SW, Ericsson AB</p> <p>1998 - 2000 Technical Manager PDM support for Incr. dev. SW Ericsson AB</p> <p>2001 - 2002 Information System Coordinator, Core Network Ericsson AB</p> <p>2002 - 2003 Process Developer PLM, Ericsson AB</p> <p>1998 - 2003 Ph.D studies, Linköping Univ.</p> <p>2003 - Consultant</p> <p>2003 - 2007 Associated Senior researcher at Linköping University</p> <p>2007 - Guest lecturer at Linköping University</p> <p>2010 - Member of ENSEMBLE Expert Scientific Committee, EU</p>
Consultant	<ul style="list-style-type: none"> • Integrated Centric Development of complex projects. Seminars and workshops at Saab Dynamics Linköping & Karlskoga, Volvo Construction Equipment Eskilstuna • PLM specification work for Siemens PLM at Kockums Karlskrona, Aalborg Industries Aalborg, FMC Foodtech Helsingborg, Wärtsilä. • PLM specification and implementation work for Siemens PLM at Sandvik Coromant, Sandvik between Nov, 2007 - Nov 2008. • Information architecture work for Huawei Technologies between May 2010 - Nov 2010.
Publications	<p>Books and book chapters</p> <p>Taxén, L. (Ed) (n.d.). <i>The System Anatomy – Enabling Agile Project Management</i>. Lund: Studentlitteratur.</p> <p>Taxén, L. (n.d.). Modeling the Intellect from a Coordination Perspective. In B. Igelnik (Ed.), <i>Computational Modeling and Simulation of Intellect: Current State and Future Perspectives</i>. Hershey PA: IGI Global</p> <p>Taxén, L. (2009). <i>Using Activity Domain Theory for Managing Complex Systems</i>. Information Science Reference. Hershey PA: Information Science Reference (IGI Global). ISBN: 978-1-60566-192-6.</p> <p>Taxén, L. (2009). A Practical Approach for Aligning Business and Knowledge Strategies. In M. Russ (Ed.), <i>Knowledge Management Strategies for Business Development</i> (pp. 277-308), Hershey PA: Business Science Reference (IGI Global). ISBN: 978-1-60566-348-7.</p> <p>Taxén, L. (2008). The Activity Domain Theory - Informing the Alignment of Business and Knowledge Strategies. In E. Abou-Zeid (Ed.), <i>Knowledge Management and Business Strategies: Theoretical Frameworks and Empirical Research</i> (pp. 253-280), Hershey PA: Information Science Reference, (IGI Global). ISBN: 978-1-59904-486-6</p>

Taxén L (2005) Categorizing Objective Meaning in Activity Systems, in Whymark G, Hasan H (Eds.), *Activity as the Focus of Information Systems Research*, Eveleigh, Australia: Knowledge Creation Press, pp. 169-192

Taxén, L. (2003). *A Framework for the Coordination of Complex Systems' Development*. Dissertation No. 800. Linköping University, Dep. of Computer & Information Science, 2003. Retrieved Jan 4, 2009, from <http://www.ep.liu.se/smash/record.jsf?searchId=1&pid=diva2:20897>

Östman, F., & Taxén, L. (1995). Hardware/Software Co-verification of a Telephone Exchange: A Case Study. In J. Rozenblit and K. Buchenrieder (Eds.), *Computer Aided Software/Hardware Engineering* (pp. 414-424). Piscataway: IEEE Press.

Kjellström G, Taxén L (1992) Gaussian Adaptation, an evolution-based efficient global optimizer. In *Computational and Applied Mathematics (IMACS)* Brezinski, I. C. and Kulish, U. Eds, Elsevier Science Publishers B. V., pp. 267-276

Journal papers

Taxén, L., & Lilliesköld, J. (2008). Images as action instruments in complex projects, *International Journal of Project Management*, 26(5), 527-536

Taxén, L. (2007). Activity Modalities - A Multi-dimensional Perspective on Coordination, Business Processes and Communication. *Systems, Signs & Actions*, 3(1), 93-133. Retrieved Jan 4, 2009 from <http://www.sysiac.org/?pageId=36>

Taxén, L. (2006). An Integration Centric Approach for the Coordination of Distributed Software Development Projects. *Information and Software Technology*, 48(9), 767-780.

Taxén, L. (2005). A Socio-technical Approach Towards Alignment. *Software Process: Improvement and Practice*, 10(4), 427-439.

Taxén L, Svensson D (2005) Towards an Alternative Foundation for Managing Product Life-Cycles in Turbulent Environments, *International Journal of Product Development (IJP)*, 2(1-2), 24-46.

Kjellström G, Taxén L, Lindberg P O (1987) Discrete Optimization of Digital Filters Using Gaussian Adaptation and Quadratic Function Minimization, *IEEE Trans. on Circuits and Systems*, vol. CAS-34, no. 10, pp. 1238 - 1242.

Taxén L (1981) Polyphase Filter Banks Using Wave Digital Filters, *IEEE Trans. on Acoustics, Speech and Signal Processing*, no 3 1981, pp. 423 - 428.

Kjellström G, Taxén L (1981) Stochastic Optimization in System Design, *IEEE Trans. on Circuits and Systems.*, vol. CAS-28, no. 7, pp. 702-715.

Taxén L (2002) Organizational Learning Revisited. *The Hardware Designer* (an Ericsson internal paper)

Conference Contributions

Taxén L, Lilliesköld J (2007) Images as Action Instruments in Complex Projects, *IRNOP VIII Conference*, Brighton, UK, September 19-21, 2007

Taxén, L. (2006). Cognitive Grounding of Activity Modalities. In *Proceedings of Action in Language, Organisations and Information Systems, (ALOIS 2006)* (pp. 75-93). Borås, Sweden: University College of Borås. Retrieved Jan 8, 2009, from <http://www.vits.org/?pageId=317>

Lilliesköld J, Taxén L (2006) Operationalizing Coordination of Mega-projects - a Workpractice Perspective, *IRNOP VII Project Research Conference, Xi'an, China*, October 11-13, 2006, pp. 574-587.

Taxén L (2005) From IT Design to Workpractice Construction, *UITQ 2005 - International Research Workshop on User-driven IT Design and Quality Assurance*, Royal Institute of

Technology, Stockholm, May 24-25, 2005.

Taxén L (2005) Categorizing Objective Meaning in Interacting Activity Systems, Accepted to the *First ISCAR Congress, International Society for Cultural and Activity Research*, Sevilla, Sept 20-24, 2005.

Taxén L, Lilliesköld J (2005) Manifesting Shared Affordances in System Development - the System Anatomy, ALOIS*2005, *The 3rd International Conference on Action in Language, Organisations and Information Systems*, 15-16 March 2005, Limerick, Ireland, pp. 28-47. Retrieved from <http://www.alois2005.ul.ie/> (Feb 2006).

Lilliesköld, J., Taxén, L., Karlsson, M., & Klasson, M. (2005). Managing complex development projects - using the system anatomy. In *Proceedings Portland International Conference on Management of Technology and Engineering, PICMET '05*, July 31st - Aug 4th, 2005, Portland, Oregon - USA.

Taxén (2004) IS Design as Domain Construction. In *Activity Theory Based Practical Methods for IT Design, ATIT 2004* (Bertelsen O, Korpela M and Mursu A, Eds), pp. 111-122.

Taxén (2004) Interactivity and contextuality in organizational semiosis, *Proceedings of the 7th International Workshop on Organisational Semiotics, OS 2004*, Setúbal, Portugal, July 2004, pp. 97-111. Setúbal: INSTICC press

Taxén L (2004): Articulating Coordination of Human Activity - the Activity Domain Theory. In *Proceedings of the 2nd International workshop on Action in Language, Organisations and Information Systems (ALOIS-2004)*, Linköping University. Retrieved from <http://www.vits.org/?pagelid=37> (May, 2006).

Taxén L (2004) A Coordination Approach Towards Alignment, *Proceedings of the Fifth Workshop on Business Process Modeling, Development and Support (BPMDS'04)*, Vol. 2, Riga, Latvia, 7-11 June 2004, pp 224 - 231. Riga: Riga Technical University

Lilliesköld J, Taxén L (2004) Coordinating dependencies in global system development projects - The use of dependency diagrams, *IEEE Engineering Management Conference, IEMC 2004*, Singapore, Oct. 19th -21st, 2004

Taxén L (2002): An Interaction-based Approach for Structuring Coordination Activities, *First IEEE International Conference on Cognitive Informatics*, Calgary, Canada, pp. 270-279.

Ekinge R, Lennartsson B, Taxén L (2000) *Organizational Knowledge as a Basis for the Management of Development Projects. Discovering Connections: A Renaissance Through Systems Learning Conference*. Dearborn, Michigan, September 24-27, 2000.

Cederling U, Ekinge R, Lennartsson B, Taxén L, Wedlund T (2000) A Project Management Model based on Shared Understanding. *Proceedings of Management Minitrack in the Organizational Systems and Technology Track of the Thirty-Third Hawaii International Conference on System Sciences (HICSS-33)*, January 4-7, 2000.

Taxén L (1999): A Strategy for Organisational Knowledge Evolution, *First International Workshop on Enterprise Management and Resource Systems: Methods, Tools and Architectures*, Venice, Italy.

Taxén L (1999) Organisational Knowledge Evolution, *HSS'99*, Falun, 1999

Taxén L (1998) Information Management in the Product Development Process, *SIG-PM 98*, Linköping, 1998.

Taxén L, Karlsson E A (1998): Incremental Development for AXE 10, *Ericsson Conference on Software Engineering*, Frankfurt.

Taxén L (1997) Stochastic Optimization in System Design- Back to the future, *EDA '97*, Stockholm.

Taxén L (1995): The Dialectical Approach to System Design, *Proceedings of Integrated Design and Process Technology*, Dec 6 - 9, 1995, Austin, Texas, pp.147-152.

	Taxén L (1985) Discrete Optimization using Gaussian Adaptation and Quadratic Function Minimization, <i>Proc ICCS 85</i> , Beijing, China.
Pedagogical competence	<p>At Ericsson</p> <ul style="list-style-type: none"> • Participated in educational methods course in 1983 with good recommendations • Planned and given seminars and workshops on many occasions. • Presented research contributions at conferences in USA, Canada, China, Schweiz, Sweden and other places. • Education of users on CAD-tools, Information systems, etc. • Written user manuals to CAD-tools, Information systems, etc. • Participated in management courses as a line manager (1985: 2 occasions; 1986: 6 occasions; 1987: 2 occasions). <p>At academia</p> <ul style="list-style-type: none"> • Presented research contributions at conferences in Sweden, Denmark, USA, Hawaii, Canada, Italy, Latvia and Portugal. • Lectured on several occasions at Ericsson about my research. • Given talks about my research outside Ericsson (Konstruktörsstämman 1999, Bofors 1999, Nera 1999, PDM Summit 1999, Seminarium om kreativitet och motivation 1999, Sintef 1999 Oslo, CIMdata Europé Nice 1999, IIR CM 1999, IIR PDM 1999, Matrix-One Oracle Reading 2000, Sonera 2000, Allgon 2000, Valmet 2000, Mölnlycke 2000, NUTEK 2000, CALS Europé 2000, CID KTH 2001, IEEE Management- Organisatoriskt Lärande 2001, Soft-23 Norrköping 2001, IIR PLM 2003, IEEE Management - Anatomier 2004). • Contributed to seminar at LiTH concerning Information Systems Development • Been a reviewer of contributions to European Journal of Information Systems, Business Process Modeling, Development, and Support (BPMDs'05), Software Process: Improvement and Practice. • Practiced as supervisor for some PhD students • Given courses in integration driven development at Linköping University for students.
Other	<p>Writes regular columns for the journal Verkstadsforum (a branch journal for PLM, PDM issues).</p> <p>Member IEEE nr 08943748 since 1986. Elevated to Senior member in 2004.</p>
Personal	Born 1994, June 9th. Two children, Gustav, born 1972, Kerstin, born 1974. Two grandchildren, Anna and Erik. Lives together with Tina, nurse.
Interests	Guitar, sailing, soaring, speedway, downhill skiing, history.