

List of Publications

(later publications: see <http://www.joticon.fi/materiaali.html>)

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International peer reviewed journals

- Troost, J., G. Venturi, et al. (2006). "People, Organizations and Processes: An Enquiry on the Adoption of User Centred Design in the Industry." *International Journal of Human Computer Studies* 21(2): 219-238.
- Jokela, T., M. Siponen, J. Earthy and N. Hirosiwa (2006). "A Survey of Usability Capability Maturity Models: Implications for Practice and Research." *Behaviour & Information Technology* 25(3): 263-282.
- Jokela, T., J. Koivumaa, et al. (2006). "Quantitative Usability Requirements in the Development of the User Interface of a Mobile Phone. A Case Study." *Personal and Ubiquitous Computing* 10(6): 345-355.
- Jokela, T. (2004). "Evaluating the user-centredness of development organisations: conclusions and implications from empirical usability capability maturity assessments." *Interacting with Computers* 16(6): 1095-1132.

International Magazines

- Jokela, T. (2010). "Usability maturity models - methods for developing the user-centeredness of companies (forthcoming)." *User Experience Magazine*(1).
- Jokela, T. (2004). "When Good Things Happen to Bad Products: Where are the Benefits of Usability in the Consumer Appliance Market?" *ACM interactions* XI.6(November + December): 28-35.

International peer reviewed conference papers and books

- Jokela, T. (Forthcoming). Pillars for designing usability - reflections from a case study on developing a user interface to a mobile phone. *Usability and User-Centered Design in Software Development: Case Studies and Real Life Applications*. T. Uldall-Espersen, A. Blandford, E. Frøkjær and T. Jokela.
- Uldall-Espersen, T., A. Blandford, et al. (Forthcoming). *Usability and User-Centered Design in Software Development: Case Studies and Real Life Applications*.
- Kantola, N. and T. Jokela (2007). *SVSb: Simple and Visual Storyboards. Developing a Visualisation Method for Depicting User Scenarios*. OZCHI '07, Adelaide, Australia.
- Jokela, T. (2007). Characterizations, Requirements and Activities of User-Centered Design - the KESSU 2.2 Model. *Maturing Usability. Quality in Software, Interaction and Value*. E. Law, E. Hvannberg and C. Cockton. London, Springer-Verlag: 168-196.
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- Uldall-Espersen, T., E. Frøkjær, et al. (2007). *Increasing the impact of usability work in software development*. CHI '07 extended abstracts on Human factors in computing systems, San Jose.
- Jokela, T. (2007). Money for Better Usability. A Case Study on The Development of User Interface for A Mobile Phone. *Increasing the Impact of Usability Work in Software Development. Workshop at CHI 2007*. San Jose.
- Segerståhl, K. and T. Jokela (2006). *Usability of interaction patterns*. CHI '06 extended abstracts on Human factors in computing systems.

- Jokela, T. (2005). Certification of the User-Centredness of Development Organisation - A Way for Ensuring User Acceptance even before the Development of Software? International Research Workshop on User-driven IT Design and Quality Assurance, Stockholm.
- Jokela, T. (2005). Guiding designers to the world of usability: Determining usability requirements through teamwork. Human-Centered Software Engineering. A. Seffah, J. Gulliksen and M. Desmarais, Kluwer HCI series.
- Jokela, T. (2005). Performance rather than capability problems. Insights from assessments of usability engineering processes. Profes 2005.
- Jokela, T., N. Iivari and V. Tornberg (2004). Using the ISO 9241-11 Definition of Usability in Requirements Determination: Case Studies. Proceedings of HCI 2004: Design for Life. Volume 2, Leeds, British HCI group.
- Rajanen, M. and T. Jokela (2004). Analysis of Usability cost-benefit models. European Conference on Information Systems 2004, Turku, Finland.
- Jokela, T. (2004). Usability maturity models: evaluating the user-centeredness of companies. Tutorial. NordiCHI 2004, Tampere.
- Jokela, T. and N. Bevan (2004). How to evaluate the user-centeredness of companies? Idea Market at UPA 2004.
- Jokela, T. and P. Abrahamsson (2004). Usability Assessment of an Extreme Programming Project: Close Co-Operation with the Customer Does Not Equal to Good Usability. Profes 2004, Kansai Science City, Japan, Springer.
- Jokela, T., N. Iivari, J. Matero and M. Karukka (2003). The Standard of User-Centered Design and the Standard Definition of Usability: Analyzing ISO 13407 against ISO 9241-11. CLIHC 2003, Rio de Janeiro, Brazil.
- Jokela, T. (2003). Assessments of Usability Engineering Processes: Experiences from Experiments. HICSS -36, Hawaii.
- Jokela, T. and T. Lalli (2003). Usability and CMMI: Does A Higher Maturity Level in Product Development Mean Better Usability? CHI '03 extended abstracts on Human factors in computing systems, Ft. Lauderdale, Florida, USA.
- Jokela, T. (2002). Assessment of User-Centred Design Processes - Lessons Learnt and Conclusions. Proceedings of Profes 2002, Rovaniemi, Finland.
- Rosenbaum, S., C. E. Wilson, T. Jokela, J. A. Rohn, T. B. Smith and K. Vredenburg (2002). User Experience Lifecycle - Evolution and Revolution. Usability in Practice track at CHI 2002, Minneapolis, ACM.
- Jokela, T., M. Jämsä and T. Liukkonen-Olmiala (2002). Defining Quantitative Usability Requirements. NordiCHI 2002.
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- Jokela, T. and J. Pirkola (1999). Using Quantitative Usability Goals in the Design of a User Interface for Cellular Phones. INTERACT '99 (Volume II), Edinborough, UK, British Computer Society, Wiltshire, UK.
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- University and research series**
- Jokela, T. (2001). Assessment of user-centred design processes as a basis for improvement action. An experimental study in industrial settings. Acta Universitatis Ouluensis, Vol. Oulu, Oulu University Press.
- Saukkonen, S., K. Kuutti, T. Jokela, P. Abrahamsson, J. Välikangas, L. Villman and T. Sandelin (2000). Käytettävyysuunnittelun kehittäminen tuotekehityksessä. Research paper series A 30, Vol. Oulu, Oulun yliopistopaino.
- Jokela, T. (1995). Modeling the external behavior of electronic products. VTT Publications, Vol. 236. Espoo, Technical Research Centre of Finland.
- Leon, G., A. Auer and T. Jokela (1994). Concurrent Business Process Engineering. VTT Publications, Vol.
- Jokela, T. (1991). A Modeling Method for Early Validation of Embedded Systems. Electrical Engineering. Oulu, Oulu University.
- Other scientific publications**
- Lehtonen, T. and T. Jokela (2009). The Role of Usability in Contracted Bespoke System Development: What Do Usability Surveys Say? IRIS32, Molde, Norway
- Jokela, T. (2008). A Two-Level Approach for Determining Measurable Usability Targets. 5th COST294-MAUSE Open Workshop on Valid Useful User Experience Measurement (VUUM), Reykjavik, Island.
- Kaasinen, E., I. Alakärppä, et al. (2007). Älykkään ympäristön arviointi. Älykkäiden ympäristöjen suunnittelu. Kohti ekologista systeemiajattelua. E. Kaasinen and L. Norros. Helsinki, Teknologiateollisuus ry.

- Jokela, T. (2007). Money for Better Usability. A Case Study on The Development of User Interface for A Mobile Phone. Increasing the Impact of Usability Work in Software Development. Workshop at CHI 2007. San Jose.
- Jokela, T. and N. Kantola (2007). Two styles of presenting usability evaluation results. 4th COST294-MAUSE Open Workshop: Downstream Utility: The Good, the Bad, and the Utterly Useless Usability Evaluation Feedback, Toulouse.
- Kantola, N. and T. Jokela (2007). An approach for visual representation of user scenarios: Experiences from a case study. UITQ 2007 Workshop, Stockholm.
- Kantola, N. and T. Jokela (2007). Visuaaliset käyttäjäskenaariokuvaukset: Tapaus Omahoito-palvelujärjestelmä. SoTeTiTe-tutkimuspäivät. Turku.
- Jokela, T. (2006). A reference model of user-centred design lifecycle. Position paper. ISO SC4 WG6 meeting, Washington, US.
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- Jokela, T. (2005). Satisfied and Dissatisfied at the Same Time: The 'Must-Have' and 'Attractive' Properties of a User Interface. International COST294 Workshop on User Interface Quality Models, Rome, Italy.
- Jokela, T. (2005). Case Studies on a Quality Model Based on the ISO 9241-11 Definition of Usability. International COST294 Workshop on User Interface Quality Models, Rome, Italy.
- Tyynelä, M., T. Jokela, M. Isomursu, P. Kotro and O. Mannerkoski (2005). Design Principles for desktop 3D User Interfaces: Case Movie Plaza. ICEIS.
- Aikio, K.-P., I. Jounila and T. Jokela (2005). Developing Techniques for Visualising Scenarios. HCII 2005, Las Vegas.
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- Jokela, T. (2004). The KESSU Usability Design Process Model. Version 2.1, Oulu University: 22.
- Jokela, T. (2003). "Beyond Usability Methods: Usability Engineering Through Processes and Outcomes." Cutter IT Journal 16(10): 13-20.
- Jokela, T. (2003). Principles on user roles and responsibilities in product design. The Good, The Bad and The Irrelevant. The user and the future of information and communication technologies, Helsinki, Finland, Media Lab. University of Art and Design, Helsinki.
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- Jokela, T. (2002). Business benefits of usability in consumer products. The Business Value of HCI: How Can We Do It Better? Workshop at CHI 2002, Minneapolis, USA.
- Jokela, T. (2001). Review of Usability Capability Assessment Approaches. Electronic Proceedings of the 24th Information Systems Research Seminar in Scandinavia, Ulvik in Hardanger, Norway, Department of Information Science, University of Bergen.
- Abrahamsson, P. and T. Jokela (2000). Development of Management Commitment to Software Process Improvement. IRIS 23, Lidgatan, Sweden, University of Trollhättan, Uddevalla.

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- Jokela, T. (1993). Modeling The External Behaviour of Embedded Systems in An Object-Based Fashion. CMOOP. Käsitteellinen mallittaminen ja olio-ohjelmointi, Tampere.

Other publications

- Jokela, T. (2009). "Toivomuslistoista todennettavaan käytettävyyteen. Käytettävyyksivaatimusten määrittely asiakohtaisten tietojärjestelmien tarjouspyynnöissä." Systeemyö 3.
- Jokela, T. (2009). "Sama ongelma - erilaiset tulokset. Miten varmistaa käytettävyydestauksen laatu." Systeemyö 1.
- Jokela, T. (2008). Tietojärjestelmästä voi saada vaivattoman. Suomen lääkäri. Helsinki. 34: 2720-2721.
- Jokela, T. and A. Pekkarinen (2007). "World Usability Day – seminaari." Systeemyölehti(4).
- Pekkarinen, A. and T. Jokela (2007). Tuotteet ja järjestelmät helposti käyttöön. Kaleva. Oulu.
- Visuri, V. (2007). Laitteiden käytettävyys suurennuslasin alle. Pohjolan työ. Oulu.
- Heiskanen, A., R. Hyvönen, T. Jokela, V. Puhakka and J. Similä (2006). Oppiva organisaatio ja tietotekniikan kehittäminen - Näkymiä Kainuusta. Ratissa ja ruorissa - Juhani Suortti tutkija ja hallintomies. E. Heikkinen and R. Heikkinen. Kajaani, Oulun yliopisto.
- Vorne, J., T. Turunen, M. Toivonen and H. Anttonen (2004). Käytettävyyttä tuotteisiin pk-yrityksissä (a thorough commenting). Oulu, Oulun aluetyöterveyslaitos.
- Snyder, C. (2003). Paper Prototyping. The Fast and Easy Way to Design and Refine User Interfaces. (My contribution: I am interviewed and my pictures are used in the book), Vol. San Francisco, Morgan Kaufmann.
- Jokela, T. (2003). Teknologia tuotteita vaivaa usein konstikkuus. Kaleva. Oulu: 2.
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- SETELI (1994). Käytettävyys. Sähkö- ja elektroniikkatuotteiden sekä ohjelmistojen käyttäjystävällisyyden suunnittelu ja testaus. Helsinki, Sähkö- ja elektroniikkateollisuusliitto: 87.
- Auer, A. and T. Jokela (1993). Ohjelmistojen dokumentointiohjeet. Konenäkö teollisuusautomaatiossa 1992-1996. Oulu, VTT.
- KOTEL (1993). ISO 9001-3 tulkinta ohjelmistoteollisuudessa, Vol.
- Jokela, T., J. Hyvärinen and V. Seppänen (1992). Maanpuolustusjärjestelmien käyttöliittymät. Helsinki, Maanpuolustuksen tieteellinen neuvottelukunta: 20.
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Viitteet

International peer reviewed journals

IJHCI (Troost, Venturi et al. forthcoming)
BIT UMM review (Jokela, Siponen et al. 2006)
P&UC (Jokela, Koivumaa et al. 2005)
IwC (Jokela 2004)

International magazines

UPA voice (Jokela 2005)
ACM Interactions (Jokela 2004)
Cutter IT Journal (Jokela 2003)

International peer reviewed books

MAUSE (Jokela Forthcoming)
Chise (Jokela 2005)

International peer reviewed conference papers

CHI 2007 [Uldall-Espersen, 2007 #568]
CHI 2006 (Segerståhl and Jokela 2006)
UITQ (Jokela 2005)
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HCI 2004 (Jokela, Iivari et al. 2004)
ECIS (Rajanen and Jokela 2004)
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CLICH 2003 (Jokela, Iivari et al. 2003)
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CHI 2003 (Jokela and Lalli 2003)
Profes 2002 (Jokela 2002)
CHI 2002 (Rosenbaum, Wilson et al. 2002)
NordiCHI 2002 (Jokela 2002)
WCC IFIP World Computer Conference (Jokela 2002)
EuroSPI 2001 (Jokela 2001)
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Euromicro 2000 (Iivari and Jokela 2000)
Interact'99 (Jokela and Pirkola 1999)

MMS'98 (Kuutti, Jokela et al. 1998)

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Other papers

Juhlakirja (Heiskanen, Hyvönen et al. 2006)

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HCI skenaariot 2005 (Aikio, Jounila et al. 2005)

HCI UCD 2005 (Jokela 2005)

UACHI 2005 (Jokela, Aikio et al. 2005)

KESU-malli (Jokela 2004)

COST 269, 2003 (Jokela 2003)

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University and research series

Väikkäri (Jokela 2001)

Käypro (Saukkonen, Kuutti et al. 2000)

Statecharts (Jokela 1995)

Leon (Leon, Auer et al. 1994)

Other scientific monographs

Lisuri (Jokela 1991)

Other international contributions

Paper prototyping (Snyder 2003)

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International tutorials

NordiCHI (Jokela 2004)

Special sessions

UPA 2004 (Jokela and Bevan 2004)

International workshops, organizer

NordiCHI 2002 (Jokela, Jämsä et al. 2002)

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VUUM 2008 [Jokela, 2008 #573]

CHI 2004 (John, Bass et al. 2004)

CHI 2002 (Lindgaard and Millard 2002)

HCI 2001, (Hakiel 2001)

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Interact '99, Edinburgh (Gulliksen, Lantz et al. 1999)

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HCPIG 1997, Teddington (1997)

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National books and reports

Suortti (Heiskanen, Hyvönen et al. 2006)

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KUT (Vorne, Turunen et al. 2004)

SETELI Käytettävyys. Sähkö- ja elektroniikkatuotteiden sekä ohjelmistojen käyttäjystävällisyyden suunnittelu ja testaus (SETELI 1994)

Matine (Jokela, Hyvärinen et al. 1992)

Konenäkö (Auer and Jokela 1993)

KOTEL ISO 9001-3 tulkinta ohjelmistosuunnittelussa (KOTEL 1993)

National magazine and news paper articles

Lääkärilehti [Jokela, 2008 #574]

Systeemityölehti [Jokela, 2007 #575]

Kaleva [Pekkarinen, 2007 #565]

Kaleva (Jokela 2003)

Tekniikka ja Talous 23.2.90 (Jokela 1990)

Tekniikka ja Talous 15.8.90 (Jokela 1990)

Tekniikka & talous 6.2.1989 (Jokela 1989)

Uusi Elektroniikka 11.8.1989 (Jokela 1989)

Tekniikka ja talous 23.8.89 (Jokela 1989)

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Viitteet