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Publications

Spatial Mixer: Cross-Device Interaction for Music Mixing

Kjeldskov, J., Paay, J. M., Sørensen Nilsson, A., Plejdrup, K. & Thomsen Pedersen, M., Dec 2019, *Proceedings of the 31st Australian Conference on Human-Computer-Interaction, OzCHI 2019*. Association for Computing Machinery (ACM), p. 85-94 10 p.

Facilitating Flexible Electricity Use in the Home with Eco-Feedback and Eco-Forecasting

Kjeldskov, J., Skov, M., Paay, J., Lund, D., Madsen, T. & Nielsen, M., 7 Dec 2015, *Proceedings of the Annual Meeting of the Australian Special Interest Group for Computer Human Interaction*. Association for Computing Machinery (ACM), p. 388-396

Introduction

Kjeldskov, J., 17 Jul 2015, *Emerging Perspectives on the Design, Use, and Evaluation of Mobile and Handheld Devices*. Lumsden, J. (ed.). IGI Global, p. xxii-xxviii

Eco-Forecasting for Domestic Electricity Use

Kjeldskov, J., Skov, M. B., Paay, J., Lund, D., Madsen, T. & Nielsen, M., 18 Apr 2015, *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems, CHI '15*. Association for Computing Machinery (ACM), p. 1985-1988

What to Study in HCI: Beyond, Beyond, Beyond

Kjeldskov, J., Skov, M. B. & Paay, J., 18 Apr 2015, *Proceedings of the Workshop on What to Study in HCI at CHI 2015 Conference on Human Factors in Computing Systems*. Association for Computing Machinery (ACM)

Eye contact over video

Kjeldskov, J., Skov, M. B., Smedegaard, J. H., Paay, J. & Nielsen, T. S., 2014, *Extended Abstracts of the AMC CHI Conference on Human Factors in Computing Systems*. Association for Computing Machinery (ACM), p. 1561-1566 6 p.

EyeGaze: Enabling eye contact over video

Kjeldskov, J., Smedegaard, J. H., Nielsen, T. S., Skov, M. B. & Paay, J., 2014, *Proceedings of the 14th International Conference on Advanced Visual Interfaces, AVI 2014*. Association for Computing Machinery (ACM), p. 105-112 8 p.

Mobile interactions in context: a designerly way toward digital ecology

Kjeldskov, J., 2014, Morgan & Claypool Publishers. 119 p. (Synthesis Lectures on Human-Centered Informatics).

Was it Worth the Hassle? Ten Years of Mobile HCI Research Discussions on Lab and Field Evaluations

Kjeldskov, J. & Skov, M. B., 2014, *Proceedings of the 16th International Conference on Human-Computer Interaction with Mobile Devices and Service, Mobile HCI 2014*. Association for Computing Machinery (ACM), p. 43-52

Digital Urban Ambience: Mediating Context on Mobile Devices in the City

Kjeldskov, J., Skov, M. B., Nielsen, G., Vestergaard, M. & Thorup, S., Oct 2013, In: *Pervasive and Mobile Computing*. 9, 5, p. 738-749

Designing Mobile Interactions: The continual convergence of form and context: Volume 1

Kjeldskov, J., 2013, 323 p.

Designing Mobile Interactions: The continual convergence of form and context: Volume 2

Kjeldskov, J., 2013, 307 p.

Mobile Computing

Kjeldskov, J., 2013, *The Encyclopedia of Human-Computer Interaction*. Soegaard, M. & Dam, R. F. (eds.). The Interaction Design Foundation

A longitudinal review of Mobile HCI research Methods

Kjeldskov, J. & Paay, J., Sept 2012, *Proceedings of Mobile HCI 2012*. Association for Computing Machinery (ACM), p. 69-78

Combining ethnography and object-orientation for mobile interaction design: contextual richness and abstract models

Kjeldskov, J. & Stage, J., 2012, In: *International Journal of Human-Computer Studies*. 70, 3, p. 197-217

Research Methods in Mobile HCI: Trends and Opportunities

Kjeldskov, J., Cheverst, K., de Sa, M., Jones, M. & Murray-Smith, R., 2012, *Proceedings of Mobile HCI 2012: Companion Publication of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services*. Association for Computing Machinery (ACM), p. 255-260

Using Mobile Phones to Support Sustainability: A Field Study of Residential Electricity Consumption

Kjeldskov, J., Skov, M. B., Paay, J. & Pathmanathan, R., 2012, *Proceedings of the ACM CHI 2012 Conference on Human Factors in Computing Systems*. Association for Computing Machinery (ACM), p. 2347-2356

Blending Social Spaces: Information Technologies that Facilitate Social Cooking and Eating at Home

Kjeldskov, J., Skov, M. B., Paay, J. & Stage, J., 2011, *Proceedings of LMC Congress 2011, Food in Front*.

Indexicality: understanding mobile human-computer interaction in context

Kjeldskov, J. & Paay, J., Dec 2010, In: *ACM Transactions on Computer Human Interaction*. 17, 4, 28 p.

A Longitudinal Study of Usability in Health Care: Does Time Heal?

Kjeldskov, J., Skov, M. B. & Stage, J., Jun 2010, In: *International Journal of Medical Informatics*. 79, 6, p. e135-e143

GeoHealth: a location-based service for home healthcare workers

Kjeldskov, J., Christensen, C. M. & Rasmussen, K. K., 2010, In: *Journal of Location Based Services*. 4, 1, p. 3-27

FrostWall: a Dual-sided Situated Display for Informal Collaboration in the Corridor

Kjeldskov, J., Paay, J., O'Hara, K., Smith, R. & Thomas, B., 2009, *Proceedings of OzCHI 2009: Design: Open 24-7*. Association for Computing Machinery (ACM), p. 369-372

Proceedings of OzCHI 2009: Design: Open 24-7

Kjeldskov, J. (Editor), Paay, J. (Editor) & Viller, S. (Editor), 2009, Melbourne: Association for Computing Machinery (ACM) . 432 p.

Interaction Styles in Tools for Developing Virtual Environments

Kjeldskov, J. & Stage, J., 2008, In: *Virtual Reality*. 12, 3, p. 137-150

The Usability Laboratory at Cassiopeia

Kjeldskov, J., Skov, M. B. & Stage, J., 2008, Department of Computer Science, Aalborg University. 22 p. (HCI Lab Technical Report; No. 1).

A Longitudinal Study of Usability in Health Care - Does Time Heal?

Kjeldskov, J., Skov, M. B. & Stage, J., 2007, *Information Technology in Health Care 2007: Proceedings of the 3rd International Conference on Information Technology in Health Care: Socio-technical Approaches*. Westbrook, J. I., Coiera, E. W., Callen, J. L. & Aarts, J. (eds.). IOS Press, p. 181-192 11 p.

Augmenting the City with Fiction: Fictional Requirements for Mobile Guides

Kjeldskov, J. & Paay, J., 2007, *Proceedings of HCI in Mobile Guides, Mobile HCI 2007*. Cheverst, K. (ed.). University of Lancaster, p. 1-6

Designing and Evaluating Buster - an Indexical Mobile Travel Planner for Public Transportation

Kjeldskov, J., Andersen, E. & Hedegaard, L., 2007, *Proceedings of OzCHI 2007*. Association for Computing Machinery (ACM), 4 p.

Exploring context-awareness for ubiquitous computing in the healthcare domain

Kjeldskov, J. & Skov, M. B., 2007, In: *Personal and Ubiquitous Computing*. 11, 7, p. 549-562 14 p.

Studying Usability in Sitro: Simulating Real World Phenomena in Controlled Environments

Kjeldskov, J. & Skov, M. B., 2007, In: *International Journal of Human-Computer Interaction*. 27, 1, p. 7-37

Indexical Interaction Design for Mobile Systems

Kjeldskov, J., 1 Dec 2006, In: *Mobile Systems Magazine*. p. 18-22

Augmenting the City: The Design of a Context-Aware Mobile Web Site

Kjeldskov, J. & Paay, J., 24 Apr 2006, In: *Gain : AIGA Journal of Business and Design*. 2006, 4, p. 1-7 7 p.

Designing a Mobile Communicator: Combining Ethnography and Object-Oriented Design

Kjeldskov, J., Nielsen, C. M., Overgaard, M., Pedersen, M. B., Stage, J. & Stenild, S., 2006, *Proceedings of OZCHI 2006*. Association for Computing Machinery (ACM), p. 95-103

E-spective: Pervasive computing presenting a new perspective of the city

Kjeldskov, J. & Paay, J., 2006.

e-Spective: Pervasive Computing Presenting a New Perspective on the City

Kjeldskov, J. & Paay, J., 2006, *Proceedings of the 17th Australasian Conference on Information Systems, ACIS 2006*. Australian Computer Society, ACS, 10 p.

Exploring "Canned Communication" for Coordinating Distributed Mobile Work Activities

Kjeldskov, J. & Stage, J., 2006, In: *Interacting with Computers*. 2006, 18, p. 1310-1335

Indexical Interaction Design for Context-Aware Mobile Computer Systems

Kjeldskov, J. & Paay, J., 2006, *Proceedings of OZCHI 2006*. Association for Computing Machinery (ACM), p. 71-79

Making Conversations Persistent Through Computer Mediation: Coordination in a Safety-Critical Domain

Kjeldskov, J. & Stage, J., 2006, *Proceedings of the 39th Annual Hawaii International Conference on System Sciences, 2006. HICSS '06*. IEEE Computer Society Press, Vol. 3. 10 p.

Proceedings of OZCHI 2006: design: activities, artefacts and environments

Kjeldskov, J. (Editor) & Paay, J. (Editor), 2006, Sydney: Association for Computing Machinery (ACM). 488 p.

Public Pervasive Computing: Making the Invisible Visible

Kjeldskov, J. & Paay, J., 2006, In: *Computer*. 39, 9, p. 60-65

Augmenting the City: The Design of a Context-Aware Mobile Web Site

Kjeldskov, J. & Paay, J., 2005, *Designing for User eXperience, DUX 2005*. Association for Computing Machinery (ACM), 7 p.

Does Time Heal? A Longitudinal Study of Usability

Kjeldskov, J., Skov, M. B. & Stage, J., 2005, *Proceedings of the Australian Computer-Human Interaction Conference 2005 (OzCHI'05)*. Association for Computing Machinery (ACM)

Evaluating the Usability of a Mobile Guide: The influence of Location, Participants and Resources

Kjeldskov, J., Graham, C., Pedell, S., Vetere, F., Howard, S., Balbo, S. & Davies, J., 2005, In: *Behavior and Information Technology*. 24, 1, p. 51-65

Indexical Interaction Design for Context-Aware Mobile Computer Systems

Kjeldskov, J. & Paay, J., 2005, *Proceedings of Workshop on Context in Mobile HCI*. University of Salzburg

Just-for-Us: A Context-Aware Mobile Information System Facilitating Sociality

Kjeldskov, J. & Paay, J., 2005, *Proceedings of Mobile HCI 2005*. Springer

Using Cultural Probes to Explore Mediated Intimacy

Kjeldskov, J., Gibbs, M., Vetere, F., Howard, S., Pedell, S., Mecoles, K. & Bunyan, M., 2005, In: *Australasian Journal of Information Systems*.

Envisioning Mobile Information Services: Combining User- and Technology-Centered Design

Kjeldskov, J. & Howard, S., 2004, *Proceedings of APCHI 2004: Lecture Notes in Computer Science (LNCS)*. Springer, p. 180-190

Evaluating IT Systems for the Healthcare Domain: Longitudinal Usability Studies and Rapid Analysis Techniques

Kjeldskov, J., Skov, M. B. & Stage, J., 2004, *Proceedings of the Fourth Danish Human-Computer Interaction Research Symposium: HCI Lab Technical Report*. Kjeldskov, J., Skov, M. B. & Stage, J. (eds.). Department of Computer Science, Aalborg University, p. 9-12

Instant Data Analysis: Evaluating Usability in a Day

Kjeldskov, J., Skov, M. B. & Stage, J., 2004, *Proceedings of NordiCHI 2004*. Association for Computing Machinery (ACM), p. 233-240 8 p.

Is it Worth the Hassle? Exploring the Added Value of Evaluating the Usability of Context-Aware Mobile Systems in the Field

Kjeldskov, J., Skov, M. B., Als, B. S. & Høegh, R. T., 2004, *Proceedings of Mobile HCI 2004: Lecture Notes in Computer Science (LNCS)*. Brewster, S. & Dunlop, M. (eds.). 3160 ed. Springer, p. 61-73 13 p.

Lessons from Being There: Interface Design for Mobile Augmented Reality

Kjeldskov, J., 2004, *Virtual Applications : Applications With Virtual Inhabited 3D Worlds*. Andersen P. B. and Qvortrup L. (eds.) (ed.). London: Springer

New Techniques for Usability Evaluation of Mobile Systems

Kjeldskov, J. & Stage, J., 2004, In: *International Journal of Human-Computer Studies*. 60, 5-6, p. 599-620

Proceedings of the Fourth Danish Human-Computer Interaction Research Symposium

Kjeldskov, J., Skov, M. B. & Stage, J., 2004, Aalborg University: Department of Computer Science, Aalborg University. 92 p. (HCI Lab Technical Report; No. 2004/1).

Supporting Intimacy: Mediating Strong-Tie Relationships

Kjeldskov, J., Howard, S., Vetere, F., Gibbs, M., Pedell, S. & Mecoles, K., 2004, University of Melbourne: Department of Information Systems. 130 p.

Supporting Work Activities in Healthcare by Mobile Electronic Patient Records

Kjeldskov, J. & Skov, M. B., 2004, *Proceedings of APCHI 2004: Lecture Notes in Computer Science*. Springer, p. 191-200
10 p.

Using Cultural Probes to Explore Mediated Intimacy

Kjeldskov, J., Gibbs, M., Vetere, F., Howard, S., Pedell, S., Mecoles, K. & Bunyan, M., 2004, *Proceedings of OzCHI 2004*. CHISIG

A Review of MobileHCI Research Methods

Kjeldskov, J. & Graham, C., 2003, *Proceedings of the 5th International Mobile HCI 2003 conference, September 8-11 2003, Udine, Italy: Lecture Notes in Computer Science*. Springer

Creating Realistic Laboratory Settings: Comparative Studies of Three Think-Aloud Usability Evaluations of a Mobile System

Kjeldskov, J. & Skov, M. B., 2003, *Proceedings of the 9th IFIP TC13 International Conference on Human-Computer Interaction (Interact2003)*. IOS Press, p. 663-670

Designing the Handheld Maritime Communicator

Kjeldskov, J. & Stage, J., 2003, *Proceedings of the 1st Conference on Designing User Experiences, DUX 2003*. ACM. Association for Computing Machinery (ACM)

Designing the User Interface of a Handheld Device for Communication in a High-Risk Environment

Kjeldskov, J. & Stage, J., 2003, *Carbonell, N. : Stephanidis, C. (eds.): Lecture Notes in Computer Science*. 2615 ed. IEEE Computer Society Press

Designing TramMate: a context aware mobile system supporting use of public transportation

Kjeldskov, J., Howard, S., Murphy, J., Carroll, J., Vetere, F. & Graham, C., 2003, *Proceedings of the 1st Conference on Designing User Experiences, DUX 2003 ACM*. Association for Computing Machinery (ACM)

Determining Requirements for Supporting Mobility

Kjeldskov, J., Vetere, F. & Tobin, T., 2003, *Proceedings of the 24th PACIS 2003 conference*. Association for Information Systems (AIS)

Evaluating the Usability of a Mobile Collaborative System: Exploring Two Different Laboratory Approaches

Kjeldskov, J. & Skov, M. B., 2003, *Proceedings of the 4th International Symposium on Collaborative Technologies and Systems 2003, Orlando, Florida*. SCS press, p. 134-141

Evaluating the Usability of Mobile Systems: Exploring Different Laboratory Approaches

Kjeldskov, J. & Skov, M. B., 2003, *Proceedings of 10th International Conference on Human-Computer Interaction 2003, Crete, Greece*. Lawrence Erlbaum Associates, p. 123 - 127

Human-Computer Interaction Design for Emerging Technologies: Virtual Reality, Augmented Reality and Mobile Computer Systems

Kjeldskov, J., 2003, Aalborg : Aalborg University: Department of Computer Science, Aalborg University. 131 p.

Interaction Styles in Development Tools for Virtual Reality Applications

Kjeldskov, J. & Stage, J., 2003, *Production Methods : Behind the Scenes of Virtual Inhabited 3D worlds*. Kim Halskov Madsen (ed.) (ed.). Berlin: IEEE Computer Society Press

Longitudinal Usability Evaluation of IBM IPJ 2.3 Electronic Patient Record

Kjeldskov, J., Skov, M. & Stage, J., 2003, Aalborg: Aalborg Universitetsforlag. 60 p. (Usability Reports; No. U3).

The Process of Developing a Mobile Device for Communication in a Safety-Critical Domain

Kjeldskov, J. & Stage, J., 2003, *Proceedings of the 9th IFIP TC13 International Conference on Human Computer Interaction, Interact 2003*. IOS Press

Usability Evaluation of B-Data's Booking System for the Hospital of Frederikshavn

Kjeldskov, J., Skov, M. B. & Stage, J., 2003, Aalborg Universitetsforlag.

Usability Evaluation of DIASnet (in Danish), Aalborg Universitet

Kjeldskov, J., Skov, M. B. & Stage, J., 2003.

Evaluating the Usability of Mobile Systems: Exploring Different Laboratory Approaches

Kjeldskov, J. & Skov, M., 2002, *Bertelsen, Olav W. (ed.): ACM International Conference Proceeding Series*. Association for Computing Machinery (ACM), p. 34-35

Heuristic Inspection of DIASnet: an Interactive Simulation System for Diabetics

Kjeldskov, J., Skov, M. & Stage, J., 2002, Aalborg: Aalborg Universitet. (Internal Report of the Information Systems group).

Interaction Design for Handheld Computers

Kjeldskov, J. & Kolbe, N., 2002, *Proceedings of Asia-Pacific Conference on Human-Computer Interaction (APCHI02), 7-11 November 2002, Beijing, China*. science press China

Just-In-Place Information for Mobile Device Interfaces

Kjeldskov, J., 2002, *Paterno, F. (ed.): Lecture Notes in Computer Science*. 2411 ed. Springer

Usability Evaluation of Electronic Patient Journal IBM IPJ 2.3

Kjeldskov, J., Skov, M. & Stage, J., 2002, Aalborg: Aalborg Universitet. (Internal Reports of the Information Systems group).

Usability Evaluation of Electronic Patient Journal IBM IPJ 2.3 (in Danish) . Aalborg University: Department of Computer Science.

Kjeldskov, J., Skov, M. B. & Stage, J., 2002.

Usability Evaluation of the WAP Service AutoLocate

Kjeldskov, J., Skov, M. & Stage, J., 2002, Aalborg: Aalborg Universitet. (Internal Report of the Information Systems group).

Usability Evaluation of the WAP Service AutoLocate. Aalborg University: Department of Computer Science.

Kjeldskov, J., Skov, M. & Stage, J., 2002.

Advanced Web Programming: JavaScript, PHP and SQL

Kjeldskov, J., 2001, Aalborg University: Department of Computer Science, Aalborg University. 55 p. (HCI Lab Technical Report; No. 2001/1).

An Introduction to Web Design Using Adobe GoLive 5

Kjeldskov, J. & Nyvang, T., 2001, Aalborg University: Department of Communication. 32 p.

Combining Interaction Techniques and Display Types for Virtual Reality

Kjeldskov, J., 2001, *Proceedings of OzCHI 2001: Annual Conference of the Australian Computer-Human Interaction Special Interest Group*. Edith Cowan University Press, p. 77-83

Creating Interactive Web Content Using Macromedia Shockwave and Flash

Kjeldskov, J., 2001, Aalborg University: Department of Computer Science, Aalborg University. 64 p. (HCI Lab Technical Report; No. 2001/2).

Designing Interactive Websites Using Macromedia Dreamweaver 4

Kjeldskov, J., 2001, Aalborg University: Department of Computer Science, Aalborg University. 63 p. (HCI Lab Technical Report; No. 2001/3).

Designing Multimedia Applications Using Macromedia Director 8 Shockwave Studio

Kjeldskov, J., 2001, Aalborg University: Department of Computer Science, Aalborg University. 72 p. (HCI Lab Technical Report; No. 2001/4).

Interaction: Full and partial Immersive Virtual Reality Displays

Kjeldskov, J., 2001, *Proceedings of IRIS24*. University of Bergen, p. 587-600

Interaction Styles in Tools for Developing Virtual Reality Applications

Kjeldskov, J. & Stage, J., 2001, *Human-Computer Interaction Research and Practice*. Avouris, N. et al. (eds.) (ed.). Patras: Typorama, p. 165-170

Work Practices for Usability Testing of Computerized Systems and Mobile Devices

Kjeldskov, J., Skov, M. & Stage, J., 2001, *Proceedings of the First Danish Human-Computer Interaction Research Symposium : 27. November 2001, Aarhus Denmark*. Bertelsen, O. W. (ed.) (ed.). Department of Computer Science, Aarhus University, p. 45-46

Lessons from being there: design af et rigere rum for interaktion

Kjeldskov, J. & Nyvang, T., 2000, 318 p. Aalborg Universitet.