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The Technical Faculty of IT and Design
Systems Design & Development Practices
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Publications

Longitudinal research in information systems

Nielsen, P. A., 12 Aug 2021, *Advances in Longitudinal HCI Research*. Karapanos, E., Gerken, J., Kjeldskov, J. & Skov, M. (eds.). Springer, p. 41-56 (Human-Computer Interaction).

Problematizing in IS Design Research

Nielsen, P. A., Dec 2020, *Designing for Digital Transformation. Co-Creating Services with Citizens and Industry: DESRIST 2020*. Hoffmann, S., Rossi, M. & Müller, O. (eds.). Springer, p. 259-271 13 p. (Lecture Notes in Computer Science, Vol. 12388).

The Dynamics of Agile Practices for Safety-Critical Software Development

Nielsen, P. A. & Tordrup Heeager, L., 26 May 2017, *Proceedings of the Scientific Workshops of XP2017 Proceedings*. Hansen, G. K., Myklebust, T., Johnsen, S. O. & Doss, O. (eds.). Cologne: Association for Computing Machinery (ACM), 21

Useful Business Cases: Value Creation in IS Projects

Nielsen, P. A. & Persson, J. S., 9 Jan 2017, In: *European Journal of Information Systems*. 26, 1, p. 66-83

Engaged Problem Formulation in IS Research

Nielsen, P. A. & Persson, J. S., May 2016, In: *Communications of the Association for Information Systems (CAIS)*. 38, p. 720-737 35.

Towards a Design Theory for Collaborative Qualitative Data Analysis

Nielsen, P. A., 2016, *Practice-based Design and Innovation of Digital Artifacts*. Donnellan, B., Goldkuhl, G., Helfert, M. & Sjöström, J. (eds.). 11 p.

Business-case metode for kommunale IT-investeringer, version 2.0

Nielsen, P. A. & Persson, J. S., 2013, Software Innovation Publisher. 24 p.

Engaged Problem Formulation of IT Management in Danish Municipalities

Nielsen, P. A. & Persson, J. S., 2012, *IT Management in Local Government: The DISIMIT Project*. Rose, J., Persson, J. S., Kræmmergaard, P. & Nielsen, P. A. (eds.). Aalborg: Software Innovation, Aalborg University, p. 13-25 13 p.

IT Business Cases in Local Government: An Action Research Study

Nielsen, P. A. & Persson, J. S., 2012, *Proceedings of the 45th Annual Hawaii International Conference on System Sciences (HICSS-45)*. IEEE (Institute of Electrical and Electronics Engineers), p. 2208-2217 10 p. (Proceedings of the Annual Hawaii International Conference on System Sciences).

Business-case metode for kommunale IT-investeringer: Version 1.0

Nielsen, P. A. & Persson, J. S., 2011, Department of Computer Science, Aalborg University. 23 p.

Social Networks in Software Process Improvement

Nielsen, P. A. & Tjørnehøj, G., May 2010, In: *Software Process Improvement and Practice*. 22, 1, p. 33-51 19 p.

Codified vs. Personalized - A Vertical Approach to the Dilemma of Knowledge Management Strategies

Nielsen, P. A. & Jahn, K., 2010, *17th EuroSPI Conference: Industrial Proceedings*. Hørsholm: DELTA, p. 3.11-3.20

IT Management in Local Government: Engaged Problem Formulation

Nielsen, P. A. & Persson, J. S., 2010, In: *Proceedings / International Conference on Information Systems (ICIS)*. 12 p.

Social networks in software process improvement

Nielsen, P. A. & Tjørnehøj, G., 2010, In: *Journal of Software Maintenance and Evolution*. 22, 1, p. 33-51 19 p.

Modelling of Context: Designing Mobile Systems from Domain-Dependent Models

Nielsen, P. A. & Stage, J., 2009, *Proceedings of 32nd Information Systems Research Seminar in Scandinavia: Inclusive Design*. Molka-Danielsen, J. (ed.). TAPIR Akademisk Forlag, 18 p.

Actors' Competences and Methods? A Case Study of Successful Information Systems Development

Nielsen, P. A. & Omland, H. O., 2008, *NOKOBIT 2008*. TAPIR Akademisk Forlag, p. 339 352 p.

Enterprise Systems Implementations: Organizational Influence Processes for Corporate User Representatives

Nielsen, P. A. & Nordheim, S., 2008, *Proceedings of 16th European Conference of Information Systems*. Golden, W., Acton, T., Conboy, K., van der Heijden, H. & Tuunainen, V. K. (eds.). National University of Ireland

Social Network Analysis in Software Process Improvement

Nielsen, P. A. & Tjørnehøj, G., 2008, *Software Processes and Knowledge: Beyond Conventional Software Process Improvement*. Nielsen, P. A. & Kautz, K. (eds.). Aalborg: Software Innovation Publisher, p. 117-133

Software Processes & Knowledge: Beyond Conventional Software Process Improvement

Nielsen, P. A. (Editor) & Kautz, K. (Editor), 2008, Aalborg: Software Innovation Publisher. 192 p.

State-of-the-Art on Software Project Management Knowledge: Deliverable D5.3

Nielsen, P. A. & Dolog, P., 2008, Kiwi.

IS Action Research and Its Criteria

Nielsen, P. A., 2006, *Information Systems Action Research: An Applied View on Emerging Concepts and Methods*. Kock, N. (ed.). New York: Springer, Vol. 13. p. 355-376

Mapping Social Networks in SPI

Nielsen, P. A. & Tjørnehøj, G., 2005, *Proceedings IFIP 8.6 Conference: Business Agility and IT Diffusion. IFIP TC 8.6 International Working Conference*. Baskerville, R., Mathiassen, L. & Pries-Heje, J. (eds.). Springer

Understanding the implementation of software process improvement innovations in software organizations

Nielsen, P. A. & Kautz, K., 2004, In: *Information Systems Journal*. 14, 1, p. 3-22 19 p.

A Framework for Selecting Assessment Strategy

Nielsen, P. A. & Pries-Heje, J., 2002, *Improving Software Organizations : From Principles to Practice*. Mathiassen, L. (ed.) : Pries-Heje, J. (ed.) : Ngwenyama, O. (ed.) (ed.). Boston: Addison-Wesley, (The agile software development series).

Organizational Influence Processes in Software Process Improvement

Nielsen, P. A. & Ngwenyama, O., 2002, *Proceedings of the 10th European Conference on Information Systems (ECIS2002)*. Wrycza, S. (ed.). <Forlag uden navn>

The Adolescent Effort

Nielsen, P. A., Iversen, J. H., Johansen, J. & Nielsen, L. B., 2002, *Improving Software Organizations : From Principles to Practice*. Mathiassen, L. (ed.) : Pries-Heje, J. (ed.) : Ngwenyama, O. (ed.) (ed.). Boston: Addison-Wesley, (The agile software development series).

Assessing Software Processes: Low Maturity or Sensible Practice

Nielsen, P. A. & Nørbjerg, J., 2001, In: *Scandinavian Journal of Information Systems*. 13, p. 51-67

Software Process Maturity and Organizational Politics

Nielsen, P. A. & Nørbjerg, J., 2001, *Realigning Research and Practice in Information Systems Development : The Social and Organizational Perspective : ITIP TC8/WG8.2 Working Conference ... , July 27-29, 2001, Boise, Idaho, USA*. Russo, N. L. : Fitzgerald, B. : DeGross, J. I. (eds.) (ed.). Kluwer Academic Publishers, Vol. 66. p. 221-239

SPI and Organizational Change

Nielsen, P. A. & Nørbjerg, J., 2001, *OASIS 2001 : Workshop on Organizations and Society, New Orleans, December, 2001*. (eds.), N. J. E. A. (ed.).

The Usefulness of Reusing the Idea of the Wheel: Learning Information Systems Modelling

Nielsen, P. A., 1998, *Training and Education of Methodology Practitioners and Researchers : Proceedings*. Jayaratna, N....et al. (eds.) (ed.). Springer, p. 397-408

The Software Designer: Skills and Change

Nielsen, P. A. & Stage, J., 1994, *Report of the 17th Information Systems Research Seminar in Scandinavia, IRIS 17: Research Paper Series*. Kerola, P. et al. (ed.) (ed.). A21 ed. University of Oulu

Approaches to Appreciate Information Systems Methodologies

Nielsen, P. A., 1993, In: *Scandinavian Journal of Information Systems*. P. 43-60

Learning and Using Methodologies in Information Systems Analysis and Design

Nielsen, P. A., 1990, : Dept. of Systems and Information Management: Lancaster University.

Projects

Agil

Skou, A. (Project Participant), Aaen, I. (Project Participant), Hosbond, J. H. (Project Participant), Nielsen, P. A. (Project Participant) & Biegel, J. (Project Coordinator)
IT Korridoren
01/03/2006 → 01/06/2007

Agile software processes for safety-critical systems

Nielsen, P. A. (PI) & Tordrup Heeager, L. (CoI)
01/08/2016 → 31/10/2018

ASUD: Agile SW+UX Design

Nielsen, P. A. (Project Manager)
01/08/2013 → 30/06/2016

Asian University for Women

Dirckinck-Holmfeld, L. (Project Manager), Bygholm, A. K. M. (Project Participant), Kanstrup, A. M. (Project Participant), Nielsen, P. A. (Project Participant), Tjørnehøj, G. (Project Participant), Vardinghus, L. H. (Project Participant) & Georgsen, M. (Project Manager)
Det Obelske Familiefond, AAU medfinansiering
01/01/2008 → 01/02/2015

CAIN/Aveva

Rose, J. (Project Participant), Tordrup, L. (Project Participant) & Nielsen, P. A. (Project Participant)
01/12/2011 → 30/06/2012

CLINES: Cluster-based Innovation through Embedded Systems technology

Skou, A. (Project Coordinator), Nielsen, P. A. (Project Participant), Aaen, I. (Project Participant), Larsen, K. G. (Project Coordinator), Nøhr, B. P. (Project Participant), Holmene, C. F. (Project Manager), Nielsen, C. (Project Participant), Kristiansen, K. B. (Project Participant) & Pedersen, J. E. (Project Participant)
Regions of Knowledge
01/09/2013 → 31/08/2016

DaNES

Larsen, K. G. (Project Participant), Mikučionis, M. (Project Participant), Nielsen, P. A. (Project Participant), Nielsen, B. (Project Participant), Ravn, A. P. (Project Participant), Skou, A. (Project Participant), (AAU), D. O. C. (Project Participant), Danmarks Tekniske Universitet, D. (Project Participant), Syddansk Universitet, S. (Project Participant), A/S, I. (Project Participant), A/S, N. N. (Project Participant), A/S, P. S. (Project Participant), A/S, P. (Project Participant) & A/S, S. (Project Participant)
Danish Advanced Technology Foundation.
01/04/2007 → 31/03/2011

Danish ph.d.-programme for information systems - DaRSIS

Nielsen, P. A. (Project Licensee) & Kræmmegaard, P. (Project Manager)
Forskeruddannelse
01/01/2008 → 31/12/2010

Digitalization Activities for DAD students

Raptis, D. (PI), Zada, A. M. (Project Participant), Ananjeva, A. (Project Participant), Shalawadi, S. B. (Project Participant) & Nielsen, P. A. (CoPI)
01/09/2024 → 01/10/2026

DREAMS: Digitally supported Environmental Assessment for Sustainable Development Goals

Kørnøv, L. (Project Manager), Lyhne, I. (CoPI), Nielsen, P. A. (PI), Hose, K. (PI), Zada, A. M. (Project Participant), Bjerva, J. (Project Participant), Garigliotti, D. (Project Participant), Jensen, C. (Other) & Boess, E. R. (Project Participant)
01/10/2020 → 30/09/2023

DISIMIT: Digital Service Integration through effective Management of IT

Kræmmegaard, P. (PI), Nielsen, P. A. (Col), Tjørnehøj, G. (Col) & Reinwald, A. (Project Participant)
01/01/2016 → 31/12/2017

Digital service integration through effective management of IT in Danish municipalities - DISIMIT

Kræmmegaard, P. (Project Licensee), Nielsen, J. A. (Project Participant), Bjørnholt, B. (Project Participant), Ivang, R. (Project Participant), Nielsen, P. A. (Project Participant), Hansen, A. M. (Project Participant), Rose, J. (Project Participant), Persson, J. S. (Project Participant), Nielsen, K. M. P. (Project Participant), Reinwald, A. (Project Participant), Pedersen, K. (Project Participant), Müller, S. D. (Project Participant), Hansen, L. K. (Project Participant) & Jakobsen, C. L. (Project Coordinator)
<ingen navn>
01/01/2009 → 01/07/2012

Energisynkronisering

Brunsgaard, C. (PI), Sperling, K. (Project Manager), Hvelplund, F. (PI), Persson, J. S. (PI), Nielsen, P. A. (PI), Mouritsen, L. K. E. (PI), Svangren, M. K. (PI) & Ananjeva, A. (PI)
01/01/2019 → 31/12/2021

INFINIT Udviklingsprocesser i vækst

Nørbjerg, J. (Project Participant), Nielsen, P. A. (Project Participant) & Persson, J. S. (Project Participant)
01/01/2014 → 30/06/2014

Information Systems Development

Nielsen, P. A. (Project Coordinator), Rose, J. (Project Participant), Aaen, I. (Project Participant), Bækgaard, L. (Project Participant), Hosbond, J. H. (Project Participant), Bygstad, B. (Project Participant), Omland, H. O. (Project Participant) & Nordheim, S. (Project Participant)

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19/05/2010 → 31/12/2020

InfinIT: Innovation Network for IT

Larsen, K. G. (Project Licensee), Skou, A. (Project Participant), Nielsen, P. A. (Project Participant), Stage, J. (Project Participant), Nielsen, B. (Project Participant), Larsen, L. B. (Project Participant), Brendborg, B. (Project Participant), Uhrenholt, R. W. (Project Participant) & Kristensen, S. K. (Project Participant)

Council for Technology and Innovation

01/03/2009 → 01/07/2018

KIWI: Knowledge in a Wiki

Dolog, P. (Project Manager), Nielsen, P. A. (Project Participant), Munk-Madsen, A. (Project Participant), Jahn, K. (Project Participant) & Durao, F. (Project Participant)

EU ICT FP7

01/03/2008 → 28/02/2011

Mobile Software Development

Nielsen, P. A. (Project Participant), Hosbond, J. H. (Project Participant) & Aaen, I. (Project Participant)

19/05/2010 → 31/10/2020

Prosoft

Knudsen, J. (Project Participant), Aaen, I. (Project Participant), Skou, A. (Project Participant), Nielsen, B. (Project Participant) & Nielsen, P. A. (Project Participant)

IT Korridoren

01/01/2004 → 01/04/2006

Sb3D: Security by Design in Digital Denmark

Hansen, R. R. (CoPI), Nielsen, P. A. (PI) & Hein, D. (Project Participant)

01/12/2020 → 30/11/2023

SMV samarbejde

Kræmmegaard, P. (Project Manager), Jakobsen, C. L. (Project Manager), Pedersen, K. (Project Participant), Nielsen, P. A. (Project Participant), Nielsen, J. A. (Project Participant), Persson, J. S. (Project Participant), Rose, J. (Project Participant), Hansen, A. M. (Project Participant), Hansen, L. K. (Project Participant), Müller, S. D. (Project Participant), Reinwald, A. (Project Participant) & Nielsen, K. M. P. (Project Participant)

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01/01/2010 → 31/07/2011

Software Innovation Research Lab

Aaen, I. (Project Participant), Nielsen, P. A. (Project Participant) & Hosbond, J. H. (Project Participant)

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18/08/2006 → 17/08/2012

Software Processes and Knowledge

Nielsen, P. A. (Project Coordinator), Aaen, I. (Project Participant), Rose, J. (Project Participant), Pedersen, K. (Project Participant), Tjørnehøj, G. (Project Participant), Copenhagen, I. U. (Project Participant), School, C. B. (Project Participant) & Ngwenyama, O. (Project Participant)

Rovsing Space A/S, Logimatic Software A/S, Systematic Software Engineering A/S, Danish National Centre for IT Research

01/11/2002 → 31/01/2006

Software Process Improvement

Nielsen, P. A. (Project Participant), Rose, J. (Project Participant), Mathiassen, L. K. (Project Participant), Aaen, I. (Project Participant), Frederiksen, H. D. (Project Participant), Pedersen, K. (Project Participant) & Tjørnehøj, G. (Project Participant)

01/01/1995 → 31/12/2006

User Experience in Agile Development Environments

Bruun, A. R. (Project Licensee), Nielsen, L. (Project Applicant), Nielsen, P. A. (Project Participant), Persson, J. S. (Project Participant) & Larusdottir, M. (Project Participant)

Uddannelses- og forskningsministeriet

01/09/2017 → 01/04/2018

Value Creation from Big Data Analytics

Jensen, M. H. (PI), Nielsen, P. A. (PI), Persson, J. S. (PI), Andersen, K. E. (PI) & Knudsen, S. J. (Supervisor)

01/03/2018 → 26/02/2021

Activities

Association of Information Systems (External organisation)

Nielsen, P. A. (Member)

2001 → ...

Ministeriet for Videnskab, Teknologi og Udvikling (External organisation)

Nielsen, P. A. (Member)

1 Jun 2006 → 31 Jul 2009

Press clippings

Chefer overvåger ansattes mailbokse

Nielsen, P. A.

15/11/2010

1 item of Media coverage

ComputerWorld kårer årets it-chef

Nielsen, P. A.

03/02/2006

1 item of Media coverage

Danmark mangler it-interesserede piger

Nielsen, P. A.

12/08/2005

1 item of Media coverage

Den rådne NemID-banan

Nielsen, P. A.

13/09/2011

2 items of Media coverage

Det offentlige glemmer borgerne

Nielsen, P. A. & Kræmmergaard, P.

10/09/2012

2 items of Media coverage

Hård kritik af Digital Post: Myndigheder kan ændre i din indbakke

Nielsen, P. A.

26/11/2013

1 item of Media coverage

Intelligent intranet

Dolog, P. & Nielsen, P. A.

30/05/2008

1 item of Media coverage

It-folk tvinges til at overvåge kolleger

Nielsen, P. A.

14/11/2010

10 items of Media coverage

It-folk tvinges til at overvåge kolleger

Nielsen, P. A.

14/11/2010

3 items of Media coverage

Kommunal it er langt bedre end sit rygte

Nielsen, P. A.

07/12/2009

1 item of Media coverage

Kåring af Danmarks bedste it-chef

Nielsen, P. A.

28/04/2006

1 item of Media coverage

Lærer og elev skabte nordjysk vækstvirksomhed

Nielsen, P. A.

25/10/2011

1 item of Media coverage

Miljøvurderinger samler støv: Digitalisering vil give store fordele

Kørnøv, L., Lyhne, I., Nielsen, P. A., Hose, K., Zada, A. M., Bjerva, J., Garigliotti, D. & Jensen, C.

05/04/2022

1 item of Media coverage

Nordjyderne er dårlige til at bruge NemID

Nielsen, P. A.

13/09/2011

1 item of Media coverage

Nye datalogi-professorer styrker erhvervsrettet forskning

Nielsen, P. A.

06/02/2009

1 item of Media coverage

Nye datalogi-professorer styrker erhvervsrettet forskning

Nielsen, P. A.

10/02/2009

1 item of Media coverage

Ombudsmanden frikender kritiseret funktion i Digital Post

Nielsen, P. A.

28/02/2014

2 items of Media coverage

Portræt: Årets CIO Lars Mathiesen

Nielsen, P. A.

09/06/2006

1 item of Media coverage

Presset region viser styrke i krisen

Nielsen, P. A.

25/10/2011

1 item of Media coverage

Professor: Offentlige hjemmesider bør ikke være omfattet af cookieregler

Nielsen, P. A.

16/01/2014

1 item of Media coverage

Selvbetjeningsstaten venter forude

Nielsen, P. A.

14/04/2013

1 item of Media coverage

Social IT NYT: Tilsynsreform skal flytte mennesker

Nielsen, P. A.

08/05/2013

1 item of Media coverage

Vejen til it i verdensklasse er belagt med samarbejde

Larsen, K. G. & Nielsen, P. A.

23/11/2021

1 item of Media coverage

Aalborg Universitet rammer plet med de nyuddannede softwareingeniører

Nielsen, P. A.

29/06/2007

1 item of Media coverage

Aalborg Universitet roses i international evaluering

Larsen, K. G. & Nielsen, P. A.

30/08/2021

1 item of Media coverage

Årets 10 mest læste på www.scm.dk

Nielsen, P. A.

24/01/2014

1 item of Media coverage