

Personlige oplysninger

Efternavn(e), fornavn(e)	Karlshøj, Jan Sektionsleder, lektor
Ansættelsessted	Danmarks Tekniske Universitet DTU Byg Institut for Byggeri og Anlæg Brovej 118, Bygning 118, 249 2800, Kgs. Lyngby, Danmark
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Hjemmeside(r)	
Akademiske grader	Ph.D. (DTU, 1994), M.Sc. (DTU, 1988)
Sprogkunderskaber	Dansk, Engelsk

Almen og erhvervsrettet**uddannelse**

Datoer	1989 - 1994
Uddannelsens betegnelse	Ph.D.
Uddannelsesinstitutionens navn og type	Danmarks Tekniske Universitet
Datoer	1983 - 1989
Uddannelsens betegnelse	Can.Polyt

Uddannelsesinstitutionens navn og type
Danmarks Tekniske Universitet

Erhvervserfaring

Datoer	2012 -
Beskæftigelse eller stilling	Sektionsleder
Arbejdsgiver	Danmarks Tekniske Universitet, Institut for byggeri og anlæg
Datoer	2010 - 2012
Beskæftigelse eller stilling	Studieleder
Arbejdsgiver	Danmarks Tekniske Universitet, Institut for byggeri og anlæg
Datoer	2009 -
Beskæftigelse eller stilling	Lektor
Arbejdsgiver	Danmarks Tekniske Universitet, Institut for byggeri og anlæg
Datoer	2007 - 2009
Beskæftigelse eller stilling	Ekstern lektor
Arbejdsgiver	Danmarks Tekniske Universitet, Institut for byggeri og anlæg
Datoer	2002 - 2009
Beskæftigelse eller stilling	Senior konsulent
Arbejdsgiver	Rambøll
Datoer	1992 - 2002
Beskæftigelse eller stilling	Koncern CAD-chef
Arbejdsgiver	Carl Bro
Datoer	1989 - 1992
Beskæftigelse eller stilling	Ph.d.-studerende
Arbejdsgiver	Danmarks Tekniske Universitet, Institut for byggeri og anlæg
Datoer	1988 - 1989
Beskæftigelse eller stilling	Konstruktionsingeniør
Arbejdsgiver	Malmstrøm

Ekspertviden

Internationale erfaringer International Alliance for Interoperability/buildingSMART siden

Yderligere information

1996

buildingSMART Fellow

buildingSMART Korea, Advisory Committee

Publikationer

Tidsskriftartikel

1. Berard, O. B., & Karlshøj, J. (2013). Information delivery manuals to integrate building product information into design. *Journal of Information Technology in Construction* , 17 , 77-87.
2. Dederichs, A., Karlshøj, J., & Hertz, K. D. (2011). Multidisciplinary teaching – Engineering course in advanced building design. *Journal of Professional Issues in Engineering Education and Practice* , 137 , 12-19. DOI:
3. Karlshøj, J. (2009). Fælles digitalt arbejdsprog. *Arkitekten* , 8 (61).

Konferenceartikel

1. Dederichs, A., & Karlshøj, J. (2011). Multidisciplinary Teaching-Changing Collaboration During Building Design. *Journal of Advanced Materials (Covina)* , 168-170 , 2382-2386. DOI:

Bidrag til bog/antologi

1. Karlshøj, J. (2007). Data visualization: A Danish example. In *Constructing the future: nD Modelling: The Application* (pp. 260-275). New York, N.Y.: Taylor & Francis.

Konferencebidrag i proceedings

1. Ebbesen, P., Karlshøj, J., Bonke, S., & Jensen, P. A. (2016). Information System Strategies in Facilities Management – Based on Five Process Studies. In *Proceedings of CFM's Second Nordic Conference: Facilities Management Research and Practice – Does FM Contribute to Happiness in the Nordic Countries* (pp. 37-55)
2. Karlshøj, J., & Vestergaard, F. (2016). Open BIM in courses in engineering education. In *Proceedings of the International RILEM Conference Materials, Systems and Structures in Civil Engineering 2016: BIM in Civil Engineering – Open Data Standards in Civil Engineering* (pp. 10-18)
3. Karlshøj, J. (2016). Open BIM in course on advanced building design. In *Proceedings of the International RILEM Conference Materials, Systems and Structures in Civil Engineering 2016: BIM in Civil Engineering – Open Data Standards in Civil Engineering* (pp. 19-28)
4. Tredal, N., Parsianfar, H., & Karlshøj, J. (2016). Using BCF as a mediator for task management in building design. In *Proceedings of the International RILEM Conference Materials, Systems and Structures in Civil Engineering 2016: BIM in Civil Engineering – Open Data Standards in Civil Engineering* (pp. 48-59)
5. Taciuc, A., Karlshøj, J., & Dederichs, A. (2016). Development of IFC based fire safety assesment tools. In *Proceedings of the International RILEM Conference Materials, Systems and Structures in Civil Engineering 2016: BIM in Civil Engineering – Open Data Standards in Civil Engineering* (pp. 60-69)

6. Lambrecht, J. F., Vestergaard, F., Karlshøj, J., Hauch, P., & Mouritsen, J. (2016). Measuring the effects of using ICT/BIM in construction projects. In *Proceedings of the 33rd CIB W78 Conference 2016*
7. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2014). Building Performance Simulation tools for planning of energy efficiency retrofits. In J. Arvidsson, L-E. Harderup, A. Kumlin, & B. Rosencrantz (Eds.), *Proceedings of the 10th Nordic Symposium on Building Physics* Lund University.
8. Mondrup, T. F., Tredal, N., Karlshøj, J., & Vestergaard, F. (2014). Introducing a new framework for using generic Information Delivery Manuals. In *eWork and eBusiness in Architecture, Engineering and Construction. Proceedings of the 10th European Conference on Product & Process Modelling (ECPPM 2014)* (pp. 205-302). C R C Press LLC.
9. Dederichs, A., & Karlshøj, J. (2013). Can collaboration within multidisciplinary teamwork be explained using Belbin? a case study. In *Structures and Architecture : Concepts, applications and challenges* (pp. 1883–1891). Taylor & Francis. DOI:
10. Karlshøj, J. (2012). Process and building information modelling in the construction industry by using information delivery manuals and model view definitions. In *eWork and eBusiness in Architecture, Engineering and Construction* (Chapter 41, pp. 305-309). C R C Press LLC.
11. Karlshøj, J., & Dederichs, A. (2011). MULTIDISCIPLINARY TEACHING – MSc COURSE ON TEAMWORK AND OPERATION. In *Proceedings of the 7th International CDIO Conference*
12. Berard, O. B., & Karlshøj, J. (2011). Information delivery manuals to integrate building product information into design. In *Proceedings of the CIB W78-W102 2011: International Conference*
13. Karlshøj, J. (2010). Impact of Construction Technologies on Education in Denmark. In *CIB W78 2010: 27th International Conference - Applications of IT in the AEC Industry & Accelerating BIM Research Workshop* (pp. 122)
14. Dederichs, A., Karlshøj, J., & Hertz, K. D. (2010). A case study on collaboration within multidisciplinary teamwork. In *Structures and Architecture* (pp. 907-912). CRC Press, Taylor & Francis Group.

Bog

1. Karlshøj, J. (2016). *ISO 29481-1* .

Rapport

1. Lambrecht, J. F., Vestergaard, F., & Karlshøj, J. (2014). *Måling af økonomiske gevinster ved digitalisering af byggeri: En effektmåling af buildingSMART pilotprojekt i Forsvarsbygg's SJKE-byggeprojekt* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg Rapport; No. R-307).

2. Vestergaard, F., Karlshøj, J., Hauch, P., Lambrecht, J., & Mouritsen, J. (2012). *Case02: BIM hos større ingeniørrådgiver* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg-Rapport; No. SR 12-03).
3. Vestergaard, F., Karlshøj, J., Hauch, P., Lambrecht, J., & Mouritsen, J. (2012). *Case03: BIM hos driftsherre og byg- og driftsherrerådgiver* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg-Rapport; No. SR 12-04).
4. Vestergaard, F., Karlshøj, J., Hauch, P., Lambrecht, J., & Mouritsen, J. (2012). *Case04: BIM hos større entreprenør* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg-Rapport; No. SR 12-05).
5. Vestergaard, F., Karlshøj, J., Hauch, P., Lambrecht, J., & Mouritsen, J. (2012). *Case01: BIM hos mindre arkitekturådgiver* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg-Rapport; No. SR 12-02).
6. Vestergaard, F., Karlshøj, J., Hauch, P., Lambrecht, J., & Mouritsen, J. (2012). *ØG-DDB Teknisk Rapport: Afrapportering af projektet: Måling af økonomiske gevinster ved Det Digitale Byggeri (byggeriets digitalisering)* . Technical University of Denmark, Department of Civil Engineering.(DTU Byg Rapport SR; No. 12-06).
7. Karlshøj, J., Mondrup, T. F., Nybo, E., & Jyllnor, P. (2012). *Objektbibliotek: Retningslinjer og strukturer for opbygning Integrering mellem bæredygtige byggeprocesser - med anvendelse af informations- og kommunikationsteknologi af digitale objektbiblioteker* .
8. Christensen, J. E., Karlshøj, J., Bacher, P., Johnsen, K., Olesen, B. W., Rode, C., & Heller, A. (2012). *Center for Bygningssimulering: Idegrundlag for etablering af center* . DTU Byg, Danmarks Tekniske Universitet.(DTU Byg-Rapport; No. R 279).
9. Vestergaard, F., Karlshøj, J., Mouritsen, J., Lambrecht, J., & Hauch, P. (2011). *Metodemanualen ØG-DDB, casestudiebeskrivelsen: research project: Måling af økonomiske gevinster ved Det Digitale Byggeri* .

Bidrag til konference

Konferenceabstrakt til konference

1. Dederichs, A., & Karlshøj, J. (2010). *En case study om samarbejde i tværfaglig teamwork* . Abstract from Det Danske Universitetspædagogiske Netværk, Copenhagen.
2. Dederichs, A., & Karlshøj, J. (2010). *Changing collaboration in the building design process* . Abstract from Good Teaching Practice in Engineering Education : inspirationsseminar, DTU, Lyngby, .

Paper

1. Tredal, N., Vestergaard, F., & Karlshøj, J. (2016). *Pragmatic Use of LOD - a Modular Approach* . Paper presented at 11th European Conference on Product and Process Modelling, Limassol, Cyprus.

2. Karlshøj, J., Borin, P., Carradori, M., Scotton, M., & Zanchetta, C. (2016). *Delivering COBie data - Focus on curtain walls and building envelopes* . Paper presented at 11th European Conference on Product and Process Modelling, Limassol, Cyprus.
3. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2012). *Information delivery manuals to facilitate it supported energy analysis* . Paper presented at CIB W078 2012 Conference, Beirut, Lebanon.
4. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2012). *Communicate and collaborate by using building information modeling* . Paper presented at CIB W078 2012 Conference, Beirut, Lebanon.

Bidrag der ikke har en tekstform

Lyd og/eller billed produktion (digital)

1. Tredal, N., Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2015). *Introducing a new framework for generic Information Delivery Manuals* [Sound/Visual production (digital)]. European Conference on Product and Process Modelling, Wien, Austria, 17/09/2014
2. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2015). *Building Performance Simulation (BPS) Software for Planning of Energy Efficiency Retrofits* [Sound/Visual production (digital)]. 10th Nordic Symposium on Building Physics, Lund, Sweden, 15/06/2014
3. Karlshøj, J. (2015). *Perspektiver fra udlandet* [Sound/Visual production (digital)]., Hørsholm, Denmark, 07/10/2014
4. Karlshøj, J. (2015). *Indlæg om BIM i et internationalt perspektiv* [Sound/Visual production (digital)]., Gladsaxe, Denmark, 30/09/2014
5. Karlshøj, J. (2013). *Digital infrastructure: Based on a presentation from Rasmus Fuglsang Jensen* [Sound/Visual production (digital)]. InfraFINBIM, Espoo, Finland, 19/11/2013
6. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2012). *Information Delivery Manuals to Facilitate IT Supported Energy Analysis* [Sound/Visual production (digital)]. CIB W078 2012 Conference, Beirut, Lebanon, 17/10/2012
7. Mondrup, T. F., Karlshøj, J., & Vestergaard, F. (2012). *Communicate and Collaborate by using Building Information Modeling* [Sound/Visual production (digital)]. CIB W078 2012 Conference, Beirut, Lebanon, 17/10/2012

Projekter

Projekt

1. Digitale kompetencer i byggeriet. Karlshøj, J., Vestergaard, F. & Jørgensen, E. F. 01/01/2015 → 28/02/2015
2. Cuneco merbevillingsprojekt. Karlshøj, J. 01/01/2015 → 31/08/2015

3. Byggeriets Begreber. Karlshøj, J. 01/01/2014 → ...
4. Measuring profit by using Open BIM. Karlshøj, J. & Vestergaard, F. 02/09/2013 → 03/04/2014
5. Ny viden til Byggefagene : Introducere byggeerhvervet til DTU BYGs BIM-Laboratorium. Karlshøj, J., Lampe, M., Vestergaard, F. & Bak, H. J. 01/10/2009 → 31/01/2011
6. Integrering mellem bæredygtige byggeprocesser. Karlshøj, J. & Vestergaard, F. 17/09/2009 → 17/09/2012
7. Måling af økonomiske gevinster ved Det Digitale Byggeri. Vestergaard, F., Karlshøj, J., Mouritsen, J., Hauch, P. & Andresen, J. L. 01/06/2009 → 31/05/2011

PhD

1. Promoting cost-optimal energy retrofits through improved energy labelling. Cáceres, A. A. G., Karlshøj, J. & Vik, T. A. 01/04/2016 → 30/03/2020
2. Digital infrastructure and Building Information Models in the design and planning of building services. Rasmussen, M. H., Karlshøj, J., Hviid, C. A. & Vendelboe, M. V. 15/01/2016 → 14/01/2019
3. Data and knowledge flow in the construction sector: a research study of infrastructural social and technical networks. Jørgensen, E. F., Karlshøj, J. & Thuesen, C. 01/10/2014 → 30/09/2017
4. Digitalisering som driver for standardiseret specificering og projektering af byggeri. Tredal, N., Karlshøj, J., Dam, R. H. & Fischer, M. 01/09/2013 → 29/04/2017
5. Adding value to Facilities Management with Information Technology. Ebbesen, P., Bonke, S., Jensen, P. A., Karlshøj, J., Ipsen, C., Andersson, N. & Pries-Heje, L. 01/02/2013 → 26/05/2016
6. Consequence Based Design. An approach for integrating computational collaborative models (Integrated Dynamic Models) in the building design phase. Negendahl, K., Nielsen, T. R., Schrøder, O., Karlshøj, J., Davis, D. & Petersen, S. 15/12/2011 → 01/09/2016
7. Methods for Implementing Information and Communication Technology in Sustainable Building Processes. Mondrup, T. F., Karlshøj, J., Vestergaard, F., Nielsen, T. R., Hjelseth, E. & Scherer, R. J. 01/05/2011 → 19/03/2015
8. Opbygning af en Bygnings Informations Model (BIM) i design- og udførelsesfasen. Berard, O. B., Vestergaard, F., Karlshøj, J., Pedersen, L. F., Andersson, N., Kiviniemi, A. & Kreiner, K. 01/05/2009 → 31/10/2012
9. Byggesektorens IT-anvendelse. Andresen, J. L., Howard, R., Normann Andersen, T., Atkin, B. L. & Karlshøj, J. 01/08/1998 → 18/03/2002
10. Principper og metoder for opstilling af datamodeller til byggetekniske anvendelser. Karlshøj, J., Damkilde, L. & Vestergaard, F. 01/12/1989 → 26/09/1994