

Curriculum Vitae for Andreas Dagman

Contact information

Name: Andreas Dagman
Personal number: 760423-5510
Date of birth: 1976-04-23
Place of birth: Borås, Sweden
Gender: Male

Educational background

- Supervision of research 2012, 3 credits (Ongoing)
- Philosophy of learning 2011, 3 credits
- Ph.D. in Engineering and Industrial Design, 2008, Chalmers University of Technology
- Lic. Eng. in Engineering and Industrial Design, 2005, Chalmers University of Technology
- M.Sc. in Ergonomical design and Production engineering, 2001, Luleå University of Technology

Positions

- 2009 - present: Assistant Professor at Dept. of Product and Production Development, Chalmers.
- 2008 - 2009: Employed as Ph. D at Dept. of Product and Production Development, Chalmers.
- 2002 - 2008: Ph.D. student at Dept. of Product and Production Development, Chalmers.
- 1998 - 1999: Internship ABB Power T&D, Raleigh, USA
- 1997 - 1998 Non-commissioned officer at Wing F21 in Luleå

Work experience

- 2011 – present: Internal Auditor for ISO 14001 “Environmental Management System”
- 2010 – present: part of the sustainability group within the area of Advance Production
- 2010 - present: project leader for the active field (project) ” Virtual Assembly and Disassembly Simulation and Planning Methods”
- 2009 – 2012: Assistant director for Wingquist Laboratory VINN Excellence Center
- 2009 – 2010: Vice Chair for the conference NordDesign 2010
- 2008 – 2011: Director of the master program “Product Development” at Chalmers
- 2008: Project leader for an IMPACT project at Chalmers called “Sustainable development for product realization”

Commissions and others

- Vice chair of the organizer team for “The second IMS workshop on sustainable manufacturing” 2012, Chalmers.
- Member of the International Advisory Board for “The 4th International Conference on Product Design & Development”, 2011
- Session Chair at ICED11 in Köpenham, 2011.
- Leadership Mandate Programme “Uppdrag ledare” from Vinnova 2008-2010
- Reviewer for Journal of Engineering Design

- Reviewer for ASME, International Design Engineering Technical Conference & Computers & Information in Engineering Conference.
- Reviewer for NordPLM, Conference on Product Lifecycle management

Teaching and supervision

Courses

- Computer Aided Design, PPU155 (Examiner)
- Global Product Realization, LUP590 (Lecturer and course assistant)
- Machine Design, MMF092 (Lecturer and course assistant)
- Visualization for Product Development, MFF181 (Lecturer and course assistant)
- CAD and PDM, MMF011 (Lecturer and course assistant)
- Machine Elements TD, MMF290 (Lecturer and course assistant)
- "Datorstödd konstruktion och ritteknik", MMF172 (Examiner)

Thesis supervision

2012

- *"Development of a Future Hood Concept Facilitating Daily Maintenance and Increased Perceived Quality"*
- *"Modularization of Cab Interior"*
- *"3D-Viewing för visualisering av digital produktdata i produktutvecklingsuppdrag"*
- *"Sterilizer loading equipment"*

2011

- *"End of Life of Toner Bottles"*
- *"Development of Methodology for Simulation Driven Design"*
- *"Universal Remote Control for Smartphones"*
- *"Universal Remote Control for Smartphones"*

2010

- *"Product development of an open office furniture"*
- *"Product development and evaluation of movable inserts for the TENA assortment"*
- *"Alpine Ski Touring for Everyone"*
- *"Product Development of Beverage Holders in Volvo FH trucks"*

2009

- *"The Role of CAD in Green Design"*

Research applications

2012 "Konvertering av livscykeldata till internationell standard", VINNOVA

Language skills

- Have a good command of English, both writing and speaking
- Basic skills in German

Software skills

Have a good command of operating system Windows and UNIX
 Skilled in IDEAS, Wildfire, CATIA v5., Alias Autostudio, Opus studio, Division mockup 2000i, Vislab, Jack, RD&T, Photoshop, Illustrator, PageMaker, Office package.
 Basic skills in C++

1. List of publications

Journals and Books

Dagman, A., Söderberg R. and Lindkvist L., (2007), *Split-Line Design for Given Geometry and Location Systems*, Journal of Engineering Design, Vol. 18, No 4, pp.373-388.

Johansson, B., Dagman, A., Rex, E., Nyström, T., Knutsson Wedel, M., Stahre, J., and Söderberg, R., (2012), *"Sustainable production Research – Awareness, Measures and Development."* OIDA International Journal of Sustainable Development.

Refereed Conferences

Dagman, A. and Söderberg, R., (2012), *"Toward a Method for Improving Product Architecture Solutions by Integrating Designs for Assembly, Disassembly and Maintenance"*, Proceedings of IMECE 2012 International Mechanical Engineering Congress and Exposition, Houston, Texas, USA.

Dagman, A., Knutson Wedel, M., and Johansson, B., (2011), *"Sustainable Production Research - a proposal of measuring research in sustainable production and monitoring of sustainability awareness"*, The Adlerbert Research Foundation Jubilee Conference, Göteborg, 22 November 2011.

Dagman, A., and Söderberg, R., (2011), *"Current State of the Art on Repair, Maintenance and Serviceability in Swedish Automotive Industry - a Virtual Product Realization Approach."* Proceedings of EcoDesign2011: 7th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, Kyoto Japan, 30November-2 December 2011.

Knutson Wedel, M., Johansson, B., Dagman, A. and Stahre, J., (2011), *"Sustainable Production Research - a Proposed Method to Design the Measures."* Proceedings of 18th CIRP International Conference on Life Cycle Engineering, Braunschweig, 2011,

Taghizadeh, A., Dagman, A., and Almefelt, L., (2010), *"Evaluation of Four Tools for Environmental Impact Life Cycle Assessment in Sustainable Product Development"*. Proceedings of the 17th CIRP International Conference on Life Cycle Engineering (LCE 2010), Anhui, China.

Dagman, A., (2008), *"Robust Form Division – Managing the Effect of Manufacturing Variation,"* Doctoral Thesis, Department for Product and Production development, Chalmers, SE 41296 Göteborg, Sweden.

Dagman, A. and Söderberg, R., (2007), *"Split-line Design for Given Geometry and Location Systems"*, Journal of Engineering Design, 17 (6).

Dagman, A. and Söderberg, R., (2007), *Geometrically Robust Form Division*, proceedings of IDETC/CIE 2007 the International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, Las Vegas, Nevada, USA. 4-7 September, 2007.

Dagman, A., Söderberg, R. and Lindkvist, L., (2006), *"Form Division in Automobile Design - Linking Design and Manufacturability."* Proceedings of the 9th International Design Conference DESIGN 2006, Dubrovnik, Croatia, 15-18 May, 2006.

Forslund, K., Dagman, A. and Söderberg, R., (2006), *"Visual Sensitivity: Communicating Poor Quality."* Proceedings of the 9th International Design Conference DESIGN 2006, Dubrovnik, Croatia, 15-18 May, 2006.

Dagman, A., (2005), *"Increased Visual Quality through Robust Split-Line Design"*, Licentiate Thesis, Department for Product and Production development, Chalmers, SE 41296 Göteborg, Sweden.

Dagman, A., Wickman, C. and Söderberg, R., (2004), *"A Study of Customers' and the Automotive Industry's Attitude Regarding Visual Quality Appearance of Split-Lines."* Proceedings of the Advances in Engineering Design conference, AED2004, Glasgow, Scotland, 5-8 September 2004.

Dagman, A. and Söderberg, R., *"Virtual Verification of Split Lines with Given References"*, ICED - 14th International Conference on Engineering Design, Stockholm, Sweden; 19-21 August 2003 / ed. by Folkesson, A., Gralén, K., Norell, M. and Sellgren, U., 1 pp. 191-192.

Other publications

Dagman, A., (2004), "*Specification, evaluation and quantification of visual and geometrical sensitivity*", in "Teknisk design 2004, Med människan i centrum", ISBN 91-975079-0-3, Department of Product and Production development, Chalmers, SE 41296 Göteborg, Sweden, pp. 134-137.

Dagman, A., (2005), Robust form division, in "Design på Chalmers 2006, När tekniken möter människan", ISBN 91-975079-4-6, Department of Product and Production development, Chalmers, SE 41296 Göteborg, Sweden, pp. 136-139.