

Scientific publications Kristian Stålne 2015-10-20

Personal Data

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Current position: Lecturer (lektor) 2015-

Highest degree: PhD/Teknologie doktor

Competence degree: ETP, Excellent teaching practitioner

Scientific Publications

Peer Reviewed

Hagström, T. and Stålne, K. (2015) The Generality of Adult Development Stages and Transformations: Comparing meaning-making and logical reasoning. *Integral review, special issue on European adult development research and practice*.

Stålne, K., Kjellström, S., Utriainen, J. (2015) Assessing Complexity in Learning Outcomes – A Comparison between the SOLO Taxonomy and the Model of Hierarchical Complexity. Accepted for publication in *Assessment and Evaluation in Higher Education* (available online).

Stålne, K., Commons, M. L., and Li, E. Y. (2014) Hierarchical Complexity in Physics. *Behavioral Developmental Bulletin*, 19(3), 62-66.

Ross, S. N., Commons, M. L., Li, E. Y., Stålne, K., and Barker, C. D. (2014) Toward defining order 16 and describing its performance for the model of hierarchical complexity. *Behavioral Developmental Bulletin*, 19(3), 33-36.

Kjellström, S. and Stålne, K. (2011) Komplexitet för kvalitet i lärande och undervisning: bedömning av komplexa problem och studenters resonemang. *Högre utbildning*, 1(1), 15-26.

Stålne, K. and Gustafsson P. J. (2002) Three-dimensional model for analysis of stiffness and hygroexpansion properties of wood fibre composite materials. *Journal of Engineering Mechanics-ASCE*, 128(6), 654-662.

Editorially Reviewed

Stålne, K. (2011) A Report from the Inaugural European Society for Research in Adult Development (ESRAD) symposium on July 24-25, 2011 in Lund, Sweden. *Integral review*, 7(2), 186-187.

Billing, P. and Stålne, K. (2011) Learning from the Unfathomable: An Analysis of Anders Behring Breivik, *Integral review*, 7(2), 150-160.

Stålne, K. (2011) The Meaning-making of Dag Hammarskjöld, *Integral review*, 7(2), 135-149.

Conferences with Peer Review

Stålne, K. och Bard, D. (2014) Learning for Ill-Structured Problems in Engineering Education. *LTH:s pedagogiska inspirationskonferens 2014*.

Stålne, K. och Horn, S. J. (2014) An Integral Perspective on Peak Oil and an Energy Perspective on Integral Theory. *Presentation and full article at the Integral European Conference i Budapest 2014*. Awarded *Best academic paper*.

Kjellström, S., Stålne, K., Almers, E., Hamer, R. och van Rossum E. J. (2014) A Developmental Questionnaire on Knowing and Learning. *Abstract and presentation at the European Society for Research in Adult Development Annual Symposium in Helsinki, Finland*.

Kjellström, S., Sjölander, P., Norrman Brandt, E. och Stålne, K. (2014) Leader Capabilities in the 21st Century. *Abstract and presentation at the European Society for Research in Adult Development Annual Symposium in Helsinki, Finland*.

Hagström, T. and Stålne K. (2014) The Generality of Development Stages and Transformations: Comparing Meaning-making and Logic Reasoning. *Abstract and presentation at the European Society for Research in Adult Development Annual Symposium in Helsinki, Finland*.

Stålne, K., Kjellström, S., Kallio, E. and Utriainen, J (2013) A comparison between the SOLO taxonomy and MHC. *Abstract and presentation at the European Society for Research in Adult Development Annual Symposium in Freiburg, Germany*.

Stålne, K. (2012) En utvärdering om studenters mognad och resonemang kring ansvar för eget lärande. *LTH:s pedagogiska inspirationskonferens 2012*.

Stålne, K. and Kjellström, S. (2012) SOLO taxonomi och Hierarkisk komplexitetsanalys - En jämförande studie. *Nätverkande och Utveckling 2012 i Göteborg*.

Stålne, K. Commons, M. L. and Li, E. Y. (2011) Application of The Model of Hierarchical Complexity to the Derivation of Wave Equations and String Theory. *Abstract and presentation 44th annual meeting of the Society for Mathematical Psychology*.

Stålne, K. (2011) Hierarkisk komplexitetsanalys Model of Hierarchical Complexity. *Lunds universitets pedagogiska utvecklingskonferens 2011*. (Workshop)

Kjellström, S. and Stålne, K. (2010) Kvalitet och komplexitet: analys av information som ett redskap vid bedömning och examination. *Nätverkande och Utveckling 2010 i Stockholm*. (Workshop).

Conferences without Peer Review

Sjölander, P. and Stålne, K. (2012) Changes of value systems in Sweden and USA between 1996 and 2006. *Abstract and presentation at the European Society for Research in Adult Development Annual Symposium in Coimbra, Portugal*.

Stålne, K. och Commons M. L. (2011) Orders of complexity in the derivation of wave equation in a fluid in 1D. *International Society for Research in Adult Development 2011*, Montreal, Canada.

Stålne, K. (2011) Meaning-making and Cognition: on the Relation between Ego Development and Hierarchical Complexity according to Loevinger, Kegan and Commons. *The European Society for Research in Adult Development Inaugural Symposium in Lund*.

Book Chapters

Stålne, K. (2014) Att bedöma komplexitet i läranderesultat – en jämförelse mellan SOLO-taxonomi och Model of Hierarchical Complexity. In: Vetenskapliga perspektiv på lärande, undervisning och utbildning i olika institutionella sammanhang – utbildningsvetenskaplig forskning vid Lunds universitet. Persson, A. och Johansson, R. (red).

Internal reports

Stålne, K. and Gustafsson, P. J. (2008) Numerical Investigation of the Homogeneous Strain Assumption for Wood Fibre Composite Materials. Report Division Structural Mechanics, Lund University.