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**Title**

Does academic apprenticeship increase networking ties among participants? : a case study of an energy efficiency training program / Kaisa Hytönen ...

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**Abstract**

In order to address the requirements of future education in different fields of academic professional activity, a model called Academic Apprenticeship Education was initiated in Finland in 2009. The aim of this article is to analyse the development of expert networks in the context of a 1-year Academic Apprenticeship Education model in the field of energy efficiency, which is a new and rapidly developing knowledge-intensive field. We examined the creation of networking ties among all course participants, the process of networking in small groups, and individual participants' networking activity. Data was collected by administering a social networking questionnaire in the beginning and at the end of the training to all course participants (n = 87) and analysed using social network analysis and repeated measures ANOVA. In addition, semi-structured interviews were conducted with organizers of the training to examine how the operational practices of the training supported networking. The results indicated that there was little change in the networking ties among all course participants. However, those small groups that were able to communicate appeared to create

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internal linkages. At the individual level, more new ties emerged for private sector actors than for public sector actors. In conclusion, we propose that a consolidated educational model should be created for the Academic Apprenticeship Education model in general. The quality of education might be better assured if the current ad hoc networks were not the only way to organise knowledge exchange among participants. .(HRK / Abstract übernommen) Hytönen, Kaisa, E-Mail: sakahy@utu.fi