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**Department of
Computer Science**



Technical Report

Title: Creating creativity: Generating requirements for tools to support creative processes.

Authors Lucy Carruthers and Hilary Johnson

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Authors: Lucy Carruthers and Hilary Johnson

Title: Creating creativity: Generating requirements for tools to support creative processes.

Abstract:

Creativity has long been seen as a mysterious process. A better understanding of the nature of creativity and the processes that underpin it are needed in order to be able to make contributions to the design of support tools. In this paper, current theories of creativity and models of the creative process are discussed and an empirical study outlined of participants individually and collaboratively undertaking two creative tasks in different domains. The tasks were carried out via two mediums; by a more “traditional” paper and pen method and, with the use of a computer and appropriate software tools. Task and participatory analysis was utilized to construct models of the tasks thus aiding the identification of creative processes. The research has enabled the generation of software requirements for tools to support these specific creative tasks. Commonalities in creativity between the tasks are then discussed in terms of their potential to provide more general guidelines for supporting creativity.