

Automatic Conversion of Text into Images

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Abstract

We describe an architecture for systems that create automatic images from text. Although prototypes of such systems have been implemented in a few previous projects, none of them examined the conceptual foundations of this process. We investigate the cognitive and knowledge representation issues that are central to the task, and propose an architecture that reflects these considerations. In addition, we describe how this architecture was implemented in Carsim, which is a prototype system for traffic accident reports written in Swedish. We finally present a user study to evaluate this system.