

Statecharts and SCXML for Dialogue Management^{*}

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Abstract. The World Wide Web Consortium (W3C) has selected Harel Statecharts, under the name of State Chart XML (SCXML), as the basis for future standards in the area of (multimodal) dialog systems. In this talk, I give a brief introduction to Statecharts and to SCXML, show what it can do (and not do) for someone wanting to use it for dialogue management, describe its relation to other dialogue system components, explain its possible use as a meta-dialogue manager (i.e. as a manager of dialogue managers), as well as some ideas for how to compile other dialogue management languages (such as VoiceXML) into SCXML. If time permits, I will also give some pointers to existing SCXML implementations.

^{*} Invited talk.