Modeling of manufacturing software catalogue for interoperability in manufacturing systems

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Abstract— **This paper proposes a way to describe the capability of software of manufacturing systems that can be mapped to the functional requirements of target manufacturing application for interoperability. For this objective, this paper specifies how to develop and manage software catalogue in terms of capability properties, and defines mapping rules from capability profiles to software catalogue.**

Keyword—**manufacturing software, software cataloguing, interoperability, smart manufacturing**

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