

Applied ontology and its use in product and production modeling

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Applied ontology (AO) has been introduced to overcome interoperability problems across information systems and today is used in domains as different as finance, medicine, geography, engineering and digital heritage. AO is intrinsically multidisciplinary and deserves to be introduced twice: we first introduce AO as a way of thinking and then as a tool for modeling. The second part of the talk is about the use of ontology in industrial activities. These activities are rich data producers and usually a company exploits several information systems targeting different tasks and users. The talk presents some (good and not so good) applications of ontology in manufacturing and discusses challenges like the modeling of product functionality and of resources in production planning.

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