Abstract:

Innovation processes of product-service-systems underlie dynamic company internal and external aspects, which require a high degree of flexibility. This flexibility is featured by an adaptive behavior regarding changes, which necessitate an active coordination of relevant information. Changes at the innovation process are transmitted at various interfaces by information and set the basis for decisions on the implementing changes within this process. This paper enables a funded decision for the process implementation, through the classification of communication interfaces and the elaboration of information flows at the innovation process. Thereby, the shortcomings of existing approaches regarding dynamics as basis for decisions are addressed and alleviated through a literature based elaboration of interfaces and information flows between the strategic product planning, product development and production planning. In this context, the production planning is represented by manufacturing
technology, resource as well as production structure planning.

**Stichworte:**

Information flow; interface; dynamics; cycle management

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- Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Produktentwicklung (Prof. Volk komm.) > Konferenzbeiträge