Volatility influences from global markets force manufacturing companies to be more flexible, innovative, and efficient. Implementing these attributes in products, processes, and production resources requires a high rate of change in development periods of decreasing lengths. The increasing level of perceived complexity is a critical result of these changes. Manifold approaches were developed and studies were conducted to derive measures for complex issues. But in the industrial field, the usability of such measures poses a major challenge. In this paper, we bridge the gap between the scientific and the practical perspective on complexity and extract three basic complexity cases. On this basis, our procedure supports the systematic analysis, classification, and quantification of complex issues in automotive production. The approach has been successfully applied in an industrial use case of an automotive assembly line.
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Occurences:

· Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Produktentwicklung (Prof. Volk komm.) > Konferenzbeiträge
· Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Produktentwicklung, Konstruktionssystematik und Leichtbau (Prof. Zimmermann) > Konferenzbeiträge

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