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Die agendaCPS zeigt auf, welche Technologien die Grundlage von Cyber-Physical Systems bilden und welches Innovationspotenzial ihnen innewohnt. Zudem macht sie deutlich, welche Forschungs- und ...

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Cyber-Physical System, Driving Force for Innovation in Mobility, Health, Energy and Production. Springer-Verlag, Berlin, Heidelberg 2011, S. 11–26 Google Scholar 5.

Complexity Thinking and Cyber-Physical Systems / ZWF ...

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The term “cyber-physical system” (CPS) sounds like a brand-new buzzword as it occurs increasingly as a theme of many conferences, in journal articles and books—like this one. Etymologically the prefix cyber derives from the ancient Greek word ?????????? (kybernesis) and originally means control skills.

Evolution of Cyber-Physical Systems: A Brief Review ...

Instead our approach focuses on using techniques taken from the cyber-physical systems' modeling domain. We create a model of the building and show how we constrain the model by OCL-like rules to support a sound specification which can be matched against monitoring results afterwards. ... agendaCPS - Integrierte Forschungsagenda Cyber-Physical ...

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Remote human–robot collaboration: A cyber–physical system ...

Cyber-physical systems (abbr. CPS; cyber-physical systems) are characterized by a profound linking between software and information logistics components (cyber *) and mechanical, electronic, and sensory components (* physical). Thereby, the controlling and also the transfer and exchange of data takes place in real-time.

Cyber-physical Systems

cyber-physical systems, product-service systems, cyber-physical product-service systems, requirements engineering Abstract These days, manufacturers need to improve both their products and services, as well as their technological base to achieve a more sustainable value proposition, to become more efficient and effective in the market, and to ...

Cyber-Physical Product-Service Systems – Challenges for ...

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