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**Integrated research agenda Cyber-Physical Systems ...**  
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**Integrierte Forschungsagenda Cyber-Physical Systems** **Eva ...**  
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 Systems: Imminent Challenges | SpringerLink**  
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**(PDF) Cyber-Physical Systems: Imminent Challenges**  
**Cyber-Physical Systems: Driving force for innovation in mobility, health, energy and production.** **acatech Position Paper, 2011 [2] Geisberger E, Broy M.** **agendaCPS: Integrierte Forschungsagenda Cyber- Physical Systems (agendaCPS: Integrated research agenda Cyber Physical Systems), acatech Studie (acatech Study), 2012 [3] Acatech, editor.**

**Towards an Understanding of Cyber-physical Systems as ...**  
**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 ...**

**Modeling cyber-physical systems | Proceedings of the ...**  
1. Introduction. **Cyber-physical systems (CPS)** can be defined as systems that involve computational entities which are in intensive connection with the surrounding physical world and its on-going processes, providing and using, at the same time, data-accessing and data-processing services . . In manufacturing, following the same aim and the context of Industry 4.0, the implementation of CPS ...

**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 ...**  
**A Human Sensory Architecture for Cyber Physical Systems.** In: **Journal of Theoretical and Applied Information Technology** 2013 [21] **Geisberger, E.; Broy, M.:** **agendaCPS. Integrated Research Agenda Cyber-Physical Systems. Original citation: agendaCPS. Integrierte Forschungsagenda Cyber-Physical Systems. Berlin 2012. [22]**

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**Geisberger E, Broy M (2012) agendaCPS – Integrierte Forschungsagenda Cyber-Physical Systems.** **Springer, Berlin, Germany** **Google Scholar** **Hennig-Thurau T, Walsh G, Schrader U (2014) VHB-Jourqual – ein Ranking von betriebswirtschaftlich-relevanten Zeitschriften auf der Grundlage von Expertenurteilen.**

**Concept and Diffusion-Factors of Industry 4.0 in the ...**  
**Articles: B3.3.3 Loadbalancing and Energy Efficiency; B3.3.4 Location Independent Communication and B3.5 QoS "agendaCPS - Integrierte Forschungsagenda Cyber-Physical Systems" ISBN 978-3-642-29098 ...**

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