RESEARCH ARTICLE | FEBRUARY 07 2024

Digital twin evolution, application areas and enabling technology

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AIP Conf. Proc. 2729, 070003 (2024)

https://doi.org/10.1063/5.0168361

Digital Twin infrastructure is an evolving phenomenon that has become the center of focus for industries and in more current institutions. The advances in industry 4.0 technologies have encouraged its development, especially in the automotive industry. The Digital Twin is characterized widely but is typically characterized as the flawless insight between a virtual and physical environment in any way. An analysis of literature relevant to Digital Twins is conducted, providing a declarative overview of previous research. Experts and contributors to technology are still not aware of which technologies and tools should be used. The challenges, implementations, and technology architecture for Digital Twins are presented. The paper includes an overview of the technological solutions, challenges and open Research for Digital Twins.

Topics

Industry

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