عنوان مقاله:

An approach to develop an intelligent distributed Dependability and Security supervision and control for industry 4.0 systems

محل انتشار:

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خلاصه مقاله:

Despite all its potentials, new industrial revolution enabledby cyber-physical systems (CPS), on its way to be fullyappreciated still has major concerns and obstacles withregards to dependability and security. This study targetsthese concerns by proposing a generic model for intelligentdistributed dependability and security supervision andcontrol mechanism, that enables components toautonomously meet their own security and dependabilityobjectives, through real-time distributed supervision andcontrol. In addition, a multi-agent system (MAS) .basedimplementation approach is proposed to enable fullexploitation of the model's capabilities

کلمات کلیدی:

Industry 4.0, Cyber-Physical Production Systems, Dependability and Security, Multi-Agent Systems