

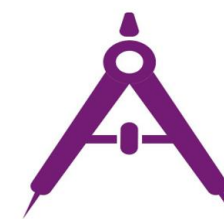
INTERNATIONAL CONFERENCE
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«Metrological Support of Innovative Technologies» ICMSIT-2020

«SECURITY CHALLENGES OF THE INDUSTRY 4.0»

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ICMSIT-2020
Metrological Support
of Innovative Technologies

Problem statement

- Security Challenges of the Industry 4.0
 - *Lack of IT/OT Security Expertise and Awareness*
 - *Lack of Policies and Funds to Focus on Security*
 - *Liability over Products*
 - *Lack of Uniform Standardization*
 - *Technical Constraints of the Devices*

Solution methods

- People should be made more aware of the importance of security and privacy in all the modern devices and by people we mean the manufacturers and operators of industry 4.0.
- Organizations need to focus on making policies and rules that make security the number 1 priority in manufacturing processes and they also need to allocate funds in order to ensure successful growth and upgradation of security systems.
- Operators of industry 4.0 also need to clarify the liability issues that might arise due to a security incident involving the smart devices and for that all the stakeholders need to come together and decide upon who is going to be liable for which part of the device.

Conclusions

Results, implementation

- In order to ensure the successful implementation of industry 4.0 in our world, there are certain measures that need to be ensured to overcome the security challenges and move forward with the fourth industrial revolution.
- Last but not least, such devices need to be manufactured that are not bound by any technical constraints that meddle with the security process. Devices should come with more computing power to perform advanced security tasks even if that means a slight bump in prices because security is more crucial than anything else.

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