Industry 4.0: Cyber Security of AM

Advancing towards the vision of Industry 4.0, information sharing via a distributed manufacturing framework internally in an organization and over the global internet becomes increasingly utilized with Additive Manufacturing (AM). AM is a direct digital manufacturing method, and as the AM equipment becomes more closely interconnected with other components of Industry 4.0, it becomes exposed to a variety of cyber- and cyber-physical attacks. Therefore, security of AM should be addressed in a holistic manner. This includes but not limited to identifying cyber-security threats in AM and how they can be addressed, to ensure and support the advancing of manufacturing to a whole new level. This symposium explores specifically security aspects for AM in an Industry 4.0 environment.

Topics of interest include but are not limited to:
- Connectivity and security of AM network
- Mitigation methods and solutions to enhance security for AM
- How cyber-security requirements in advanced manufacturing affect AM
- Standards and needs for AM security

Symposium Organizers
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- Nikhil Gupta, NYU, USA
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