

# Monthly Report

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Seven Factors about the Risk

Task Planning

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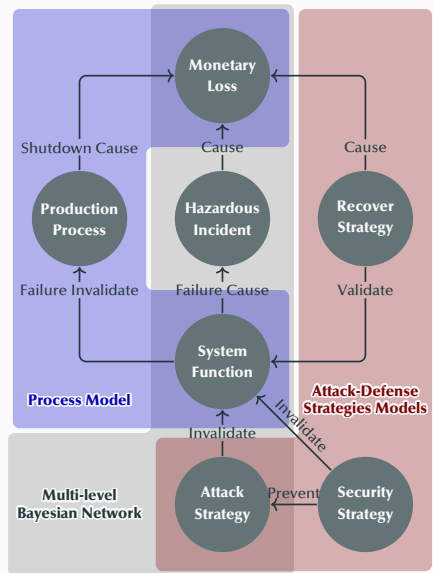
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- **Hazardous Incident** refers to the unexpected incident which will cause monetary loss of ICSs.
- **Production Process** refers a manufacturing step which is a part of in a production chain.
- **Monetary Loss** is the sum of the loss caused by malicious attacks, the loss of production process shutdown, and the enforcement cost of defense strategy.

# The relationships amongst these seven factors

- The attack strategy can invalidate the system function.
- The failure of the system function can lead to hazardous incident and product process shutdown.
- The occurrence of these two unexpected events will both cause the monetary loss of ICSs.
- The security strategy will prevent the enforcement of attack strategy, but its side effect is that it may invalidate the system function.
- The recover strategy has ability of recover the failed system function, and it has the enforcement cost.



# Task Planning

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- Finish the simulation of 2<sup>nd</sup> paper.
- Finish the 3<sup>rd</sup> paper for the special issue on Fuzzy Systems.