


## Product Design, Liability, and Insecurity Engineering

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 Marc Weber Tobias, School of Engineering, University of Pittsburgh

 Tuesday, 25 February 2020, 14:00-15:00

 LT2, Computer Laboratory, William Gates Building.

If you have a question about this talk, please contact [Jack Hughes](#).

Insecurity engineering in product design can result in significant and costly ramifications, including monetary damages, and even the loss of life. Case examples, in product analysis and investigations that have been worked by the presenter, are documented as to what went wrong in design and implementation by lock and security hardware manufacturers. These cases demonstrate the problems in product design and the lack of understanding by mechanical and electronic engineers in the analysis of bypass techniques in their products that can be utilized to defeat them.

Marc Weber Tobias and his team consult with the largest lock manufacturers in the world and run a Security Lab at the University of Pittsburgh School of Engineering. They are tasked with the reverse engineering of locks, safe, and alarm systems for security vulnerabilities, especially involving covert entry techniques. Marc has been issued thirteen patents, has written seven books on security and law, and has lectured throughout the world to law enforcement and professional security organizations.

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