Cyber Security
Body of Knowledge

Teaching CyBOK Cyber-Physical Systems Security through Interactive Simulation

University of the West of England
Jon Stadon, Ian Johnson and Phil Legg
jonathon.stadon@uwe.ac.uk

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Cyber-Physical Systems Security
Teaching CyBOK KA19 in practice

- We propose the development of teaching resources that align to CyBOK KA 19 – CPSS.

- Teaching CPSS in practice is challenging – how can we create hands-on practical experiences that can also be shared online?

- Video tutorials on using popular research tools (FactoryIO, OpenPLC) to discuss and demonstrate possible cyber security vulnerabilities and attack vectors.

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- All videos and associated materials (software, code, etc.) will be publicly available, to help others teach CPSS and to show how we use CyBOK for our course development.

- Resources will directly feed into our Critical Systems Security module to teach CPSS based on CyBOK.

- Broadly, we hope to inspire new learners into this domain, and give them resources to aid their learning and exploration of the subject matter.
Thank you

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