



Security Lancaster Newsletter February 2021

Meet a Colleague



Professor Tracy Hall

Tracy's long term research focus is on faults in software. For many years she has investigated how faults in code can be identified, predicted and removed. She has also looked at the human factors behind the mistakes that software developers make that result in code faults. Her current focus is identifying coding structures that represent vulnerabilities in software, and the defensive coding practices needed to prevent such code vulnerabilities. Her current research ambition is to be able to automatically generate code to patch vulnerable code. Tracy has long term collaborations with a number of UK companies. Her work has resulted in the development of several tools and frameworks.

series of EPSRC grants to support her work in this area and has published widely. Tracy is currently Professor of Software Engineering and Deputy HoS in the School of Computing and Communications. She leads the Software Engineering Group Research Group at Lancaster (SE@L).

Joint Committee on National Security Strategy

Recent Publications

[Specifying and Verifying Usage Control Models and Policies in TLA+](#)

Christos Grompanopoulos - Antonios Gouglidis - Anastasia Mavridou

["Talking a different language": Anticipating adversary attack cost for cyber risk assessment](#)

Richard Derbyshire - Benjamin Green - David Hutchinson

News

SLNews

[Lancaster University recognised for excellence in Cyber Security education](#)

[ACEd it!](#)

