Hamilton Institute Student Seminar Series

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**Title:** Penny-wise and pound-foolish: quantifying the effectiveness of password advice policies.

**Abstract:** Authentication is an integral part of our online world. But often neither security nor usability administrators have taken an interest in whether authentication procedures are achieving their purpose.

We found that authentication advice given and implemented by organizations is often contradictory and can be at odds with what researchers have shown to be best practice. In this talk we describe our contributions to the analysis of authentication rules and methods for assessing the level of security in particular in relation to password guessing.