"Ivan Flechais" <ivan.flechais@comlab.ox.ac.uk> on 04/18/2005 09:57:04 AM

To: <submissions@nspw.org>
cc: <ivan.flechais@comlab.ox.ac.uk>
Subject: Submission for NSPW2005

Hi,
I'm submitting the following paper for your consideration.
Title: Divide and Conquer: The role of trust and assurance in the design of socio-technical systems
Authors: Ivan Flechais, Jens Riegelsberger, Angela Sasse

Justification: In order to be effective, secure systems need to be both correct (i.e. effective when used as intended) and dependable (i.e. actually being used as intended). In this paper we look at the problems of achieving dependable security, given that all secure systems involve people and they can be unreliable. We present a brief look at the approach the Human-Computer Interactions in Security (HCISec) community propose to address this. We then discuss the nature and role of trust in secure systems, highlighting the social problems that can be the consequence of security policies and technologies that do not take trust relationships into account, and the benefits that ensue for systems that are designed with these factors in mind. We conclude by presenting some design principles that provide ways of making people more likely to behave in a secure manner thanks to a better understanding of the factors and motivations involved.

Attendance statement: Both Ivan Flechais and Angela Sasse would like to attend

Thank you,
Kind Regards,
Ivan Flechais

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