CS 6204 Usable Security

Fall 2009

Usable Security and Mobility

Project Overview

August 27, 2009

is usable security in a dynamic, mobile, and multi-user onment?

do we maintain usable security in an ever changing onment?

ole research topics:

at is a domain or application specific knowledge and how to cap

at services/functionalities should be provided?

at are representative scenarios of use?

w to model and handle possibly conflicting users' security prefer d policies?

w to measure quality of usable security (QoUS)?

w to design and implement a usable security testbed?

antic web and related standards (WSDL, OWL, RD

ain specific knowledge and ontologies (Protege).

y specification, enforcement and integration (Protu

uitous access through web services (SOA and RES

interfaces and metaphors (Google Earth).

http://lumenhaus.com.

ENHAUS is Virginia Tech's 2009 entry to the U.S. Depart

gy Solar Decathlon competition. LUMENHAUS delivers a b

o live, literally and figuratively."

ENHAUS is highly automated.

e are many sensors and

+ EXPERIENCE THE HOUSE

ols available thus providing an "enriched"

e, a place, where social interactions among users take pla

house can be used in many contexts, such as residence,

, classroom, etc.

house can be a part of the larger place that includes the

unding area and other buildings.