Usable Security: Quo Vadis?

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HCISec today is up ... for a low hanging fruit

≈ 160 publications
80% in last 7 years

### HCISec Bibliography

The purpose of this web page is to provide a central resource list of published work on human factors in computer security. If you know of any papers that should be added to this list, please let me know. Note that publications of the ACM are also available from the ACM Digital Library.

**Usability of Computer Security: A Bibliography** contains some overlap. It is arranged by categories and includes some abstracts. It seems to have last been updated in 2000.

Updated 9 April, 2006 by Ponmurugan K.

<table>
<thead>
<tr>
<th>A</th>
<th>Author's web page</th>
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<tbody>
<tr>
<td>Mark S. Ackerman. <strong>The Intellectual Challenge of CSCW: The Gap Between Social Requirements and Technical Feasibility.</strong></td>
<td>Author's web page</td>
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passwords, phishing, messaging
important ... 

but what about windows?
if the rest is not secure & usable
locks won’t help
“the rest” is ...

**how to**
- select
- acquire
- install
- integrate
- configure
- figure it out
- keep up-to-date
- use
- monitor
- notify
- react
- replace

**policies & mechanisms**
- authentication
- access control
- audit
- detection
- confidentiality
- integrity
- “privacy”
- recovery

**device**
- cell phones
- PDAs
- pods
- laptops
- desktops
- servers
- grids

**scale**
- individuals
- groups
- departments
- organizations

**expertise level**
- novice
- competent
- power
- admins
challenges

HCISec folks
1. make the previous list green
2. better understand end users
3. standardized methodologies, benchmarks, and tools for usability evaluation

security folks
1. make usability evaluation on par with
   • security analysis
   • performance evaluation