| Whicewas for hair | col Dadue | |
|---|--|--|
| Ubicomp technical paper | | |
| Problem authors studied | | |
| - inconsistencies in trigger-action programs' behavior interretation | | |
| - emirs made in | creating programs with | trigger-action programs |
| | | |
| Example of Trigger-action rules then | | |
| - if sleep duration below 7.5 hours, turn on coffee maker | | |
| - it you exit an | area, then turn off lig | hts. |
| | · · · · · · · · · · · · · · · · · · · | |
| What are mental model ambiguities? | | |
| → specific examples | | |
| - program errors could risk home security by unlocking doors at | | |
| the wrong timing time | | |
| - cause unintended energy waste by not reverting a thermostat setting | | |
| J. J | | |
| Study 1 | Study | 2 |
| | ding how To let usen | |
| | - 1 i | reation process |
| · | 1 | utal model of how the program should behave |
| 3, | investiquate whet | her program creation mixing the ambiguities |
| | | her program creation mitigates the ambiguities observed in first study |
| how many 60 resp. | ondents 42 partic | Dant |
| people | | |
| | | • |
| | 20 minute | 1 |
| how long | 20 minute | 3 |
| | | |
| Multiple | hoices ganest. Interface crea | tet were create programs |
| | | ated for creating triggers and actions |
| method open-ended | No. of the second secon | re > 3 program creation, 54c |
| demograph | | |
| | . | ents made wrong lincorrect rules |
| | ctions should ranged menta | I models for state triggers |
| | d depending users disagre | ed on sustained actions & forgot to undo |
| on state (| event trigger | ~77WM |

on state (event trigger