

---- Original Message (SIGNAL) ---From: jlee@ardra.org [mailto:jlee@ardra.org]
Sent: Monday, January 30, 2006 8:27 PM
To: bor@cs.cmu.edu
Subject: correct title

Please change my first name from Jun to "Dr. Jun" on the conference website. I am a new PhD and I want to be sure that it is clear I have finished my degree.
Thank you very much.

Dr. Jun Lee
---- Participant Response ---It still doesn't make you a good person.

Ha--you wanna go? It's in Philadelphia this year--it could be a flashback to college when we roadtripped to D.C. for that Star Wars exhibit (except we don't have to sleep in the car this time). We could give Jim a call and see if we could crash with him and Martha for a night. Let me nkow if you're interested!

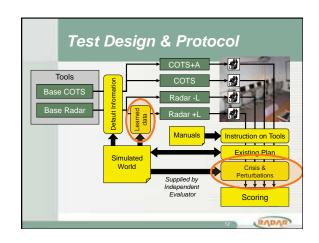
Mark (a.k.a. darth shut-the-hell-up-and-drive)
----- Participant Response ----I guess I'm down to go, as long as it gets me out of planning this damm conference. Although, given the choice between going to the Sci Fi Convention and repeatedly beating myself in the face with the business-end of a claw hammer, I'd probably take the hammer.

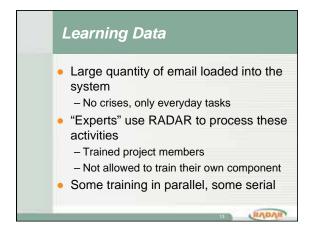
Peace.
Blake

Calendar Study
 Stimuli Must be High Quality

 Calendar Study
 Stimuli did not match constraints
 Slot from 5-6 was open

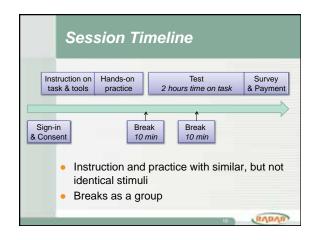
 Pilot test to find holes
 GIGO (garbage in, garbage out)
 Allot recovery time in your schedule
 Look for software problems (e.g., 15 minute launch times, sub-modules dying silently)
 Subtle data & code bugs

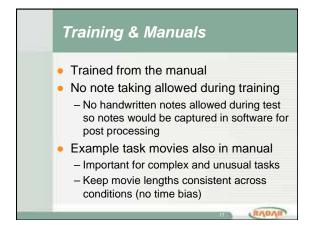


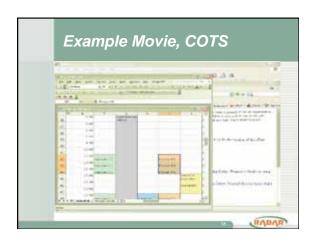


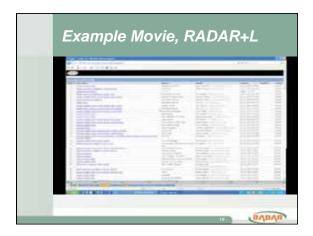


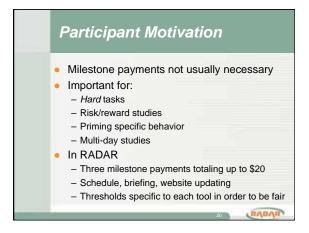












----Subject Briefing---
* Made all necessary contact information and presentation changes to website

* Ensured that participants would be able to contact each other

* Ensured that at least one task was appropriately completed

* Ruined the rest of the conference

* Delayed preparations

* Failed in securing room

* Quit Job

* Too Embarrassed By Failure

* Unable to appropriately multitask

* Ruined Position and credibility of Blake

• Watch during sessions

- Sleeping, very low computer skills, violation of entry criteria (e.g., fluency), "seat-filling"

- Straying out of bounds (e.g., dating sites)

• Take notes

- Alert/Exclude: Context for flag

• When to exclude

- Pull immediately if biasing others with behavior

- Keep till end and set data aside

- Triage each Alert case as a team

Some sneak past the flags and should be excluded
 Perverse behavior (e.g., bizarre banquet orders)
 Random clicking
 Objective scores many sigma out
 Both positive and negative

Prepared stimuli

Verify not training/coding to the test

Final say on participant exclusions

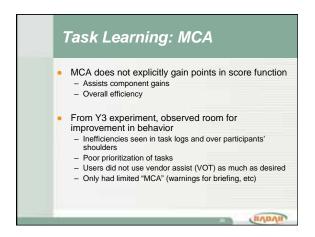
Verify not cherry picking

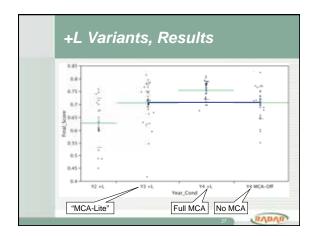
Independent statistical analyses

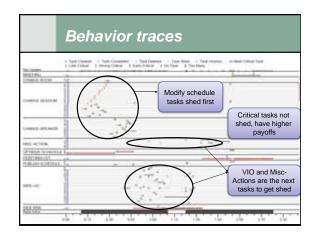
Verify no funny business

Note: external evaluators not necessary for most studies

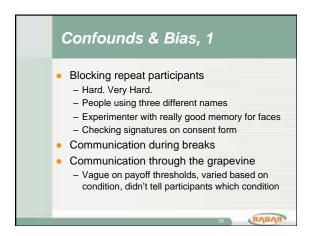




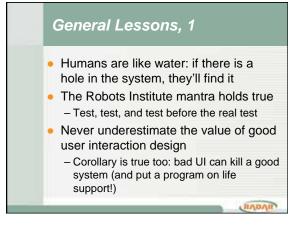




The Final Numbers From 2005 to 2008 694 clean human participants tested Many dozens excluded Cohorts due to software crashes, GIGO, etc Individuals due to perverse behavior, sleeping, etc 313 Radar +L = 626 hours of time on task 4 annual tests 7 pilot studies



Confounds & Bias, 2 Participant pool - Vacations, classmates, coming as a group - Multiple cohorts Confirming repeatability - Common control condition (COTS) Time & Day - Tried to balance sessions for day/night - Days & class schedules



Even after research no longer cutting edge, a paper detailing good, reusable methods will be regularly cited as a methods paper Sister tech report with a lot more details than present in peer-reviewed paper Sharing tools and stimuli http://www.cs.cmu.edu/~airspace/ Stimuli useful for other types of studies

----Subject Briefing---Subject: RE: Brief me, please
I wear boxers, not briefs but here is the brief anyways:
*I have rescheduled all the people who are coming in late or would like to have an earlier time
*conflicting sessions of interest have been put at alternate times to assuage the fears of those who wish to see both
*attendance for all events has been modified to fit the newest data
*I hereby quit being your conference planner and hope that Ardra goes down with you, the captain, faster than the Lusitania



Before subjects: RADAR wargamed for +L condition - E.g., Over 750 email messages prepared for Classifier training 2 cohorts of 15 human subjects per day (3hr each) Instruction on tools (no hands-on experience) Post-instruction quiz Inbox has unread crisis email stack (107 messages) Backstory email in separate IMAP folders - -30 high value emails from corpus in a folder - -80 emails for 50 original vendor orders in a folder Subject works the problem for 2 hours User experience exit survey

Exposure to manuals, tools, and vendors during Instruction Backstory, injections, crisis, and injections in mailbox at start Websites, backstory, and manuals used for situation awareness Conference schedule adjusted (Excel; STP GUI) Room availability investigated and reservations obtained (manual website/automatic) Existing vendor orders modified and new ones placed Website updated Publish schedule (manually; WbE) Other web changes (manually; VIO and manually) Random requests handled (e.g., maps, food restrictions, etc) Briefing compiled (manually for all conditions)

