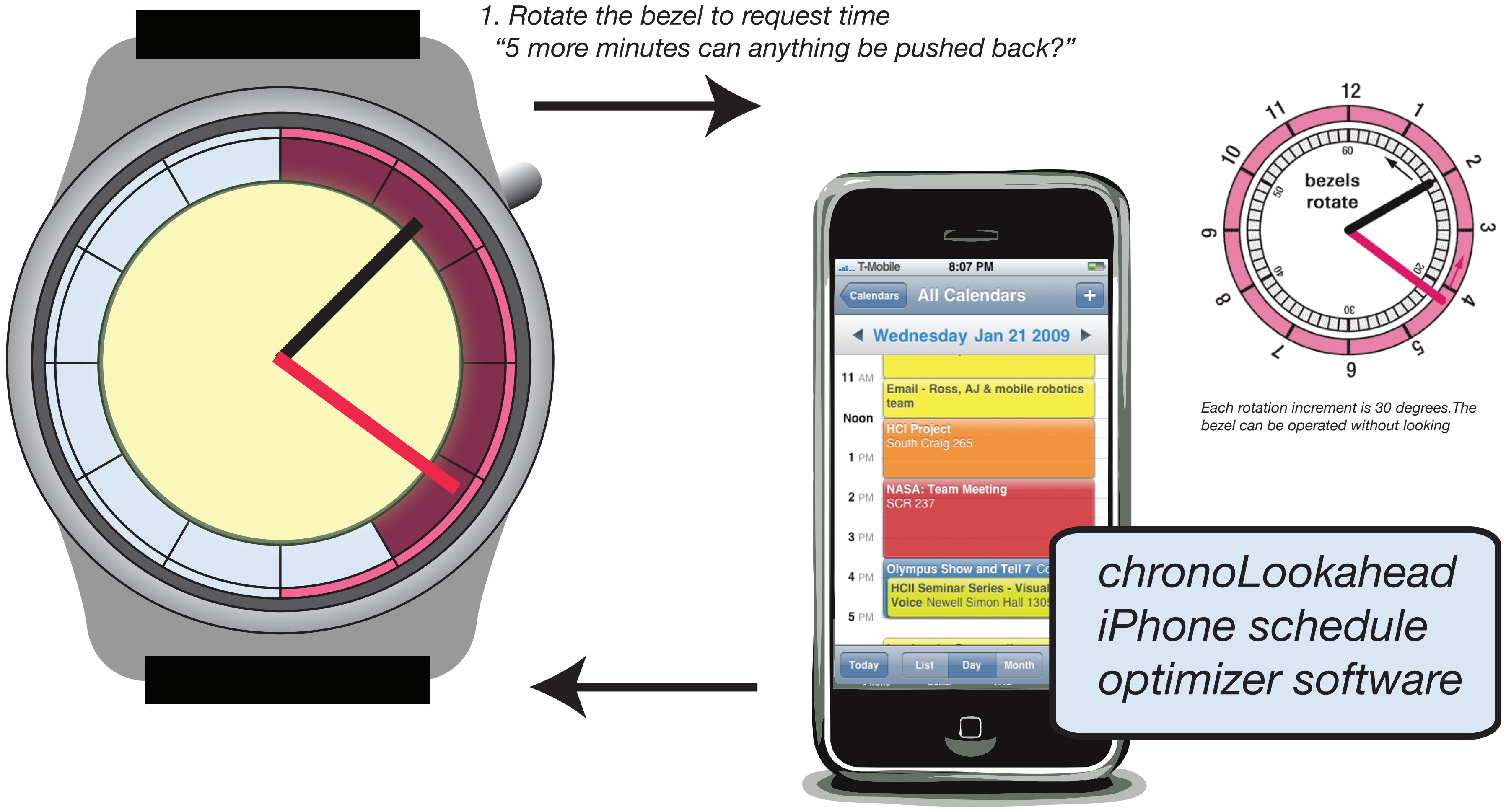
chronoLookahead

chronoLookAhead is a watch that controls the calendar program on your Apple IPhone to support more tactful social interaction with the people in your life.

Problem:

The controls of the Apple iPhone can be distracting for social interaction. To use the iPhone calendar users must direct their attention to view a small screen and interact with a calendar by tapping and sliding a finger on the display.


T-Mobile
8:07 PM
Calendars
All Calendars
Wednesday Jan 21 2009
11 AM
Noon
1 PM
2 PM
3 PM
4 PM
5 PM
Email - Ross, AJ & mobile robotics team
HCI Project
South Craig 265
NASA: Team Meeting
SCR 237
Olympus Show and Tell 7 Cc
HCII Seminar Series - Visual
Voice Newell Simon Hall 1305
Today
List
Day
Month
bezels rotate
12
1
2
3
4
5
6
7
8
9
10
11
60
50
40
30
20

1. Rotate the bezel to request time
"5 more minutes can anything be pushed back?"

Each rotation increment is 30 degrees.The bezel can be operated without looking

chronoLookahead iPhone schedule optimizer software

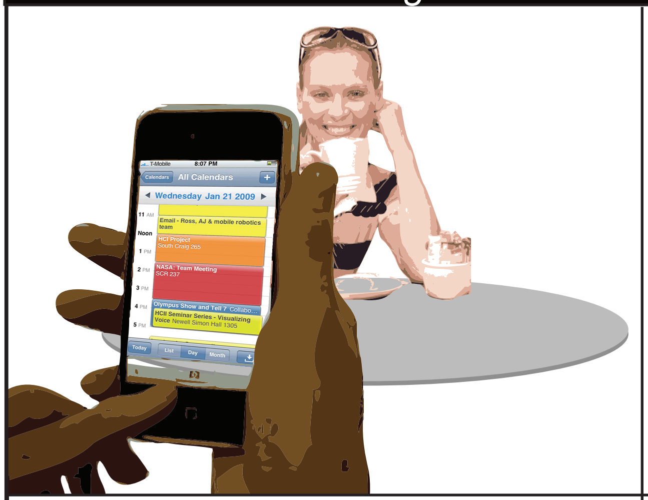
2. A schedule is computed
Software optimizes a schedule based on a user's constraints

3. A response it returned
The watch turns green if the scheadule can be adjusted otherwise the watch turns red and vibrates

Solution:

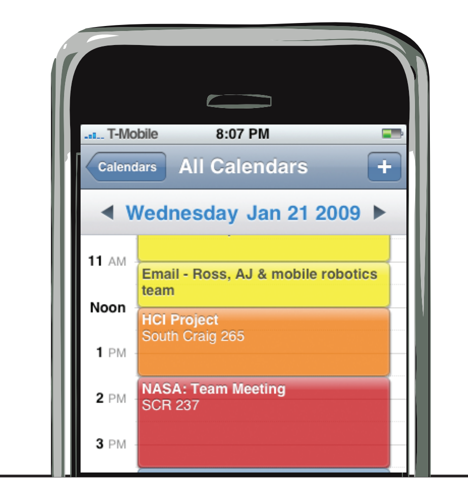
chronoLookAhead makes it easy make moment to moment changes to your iPhone calendar without pulling out your phone and disrupting conversations. By observing simple true or false feedback on your watch, you will gain increased control to adapt your schedule to include social interactions that were not part of the original plan. The following example presents an example scenario:

1. Check for scheduling conflicts



"Walk in the park for 25 minutes...hmm let me check" one sec...
Touching icons requires looking & disrupts communication

2. Identify scheduling conflicts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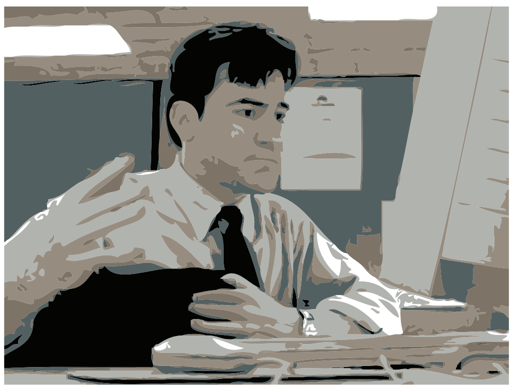
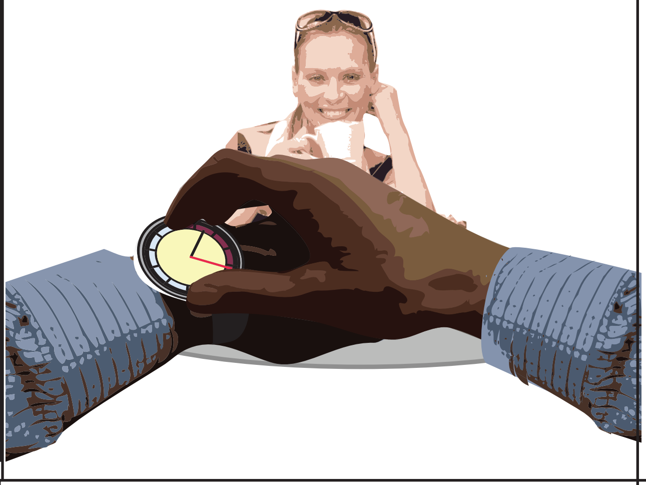
"It looks like I am busy" Reorganizing schedules requires tapping on a screen that is inappropriate in quite settings

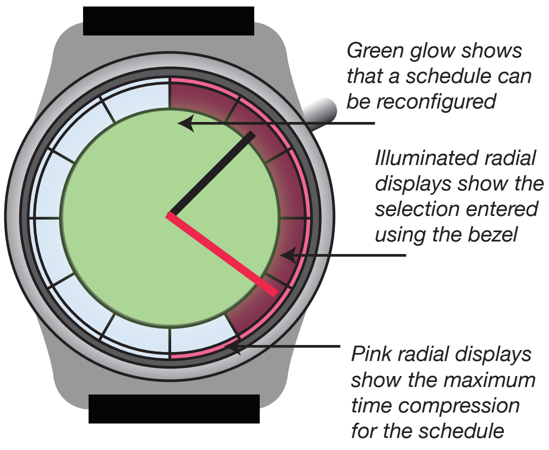
3. Make a scheduling decision



"Mission abort" Another night at the office, rescheduling using the Iphone calander software was too cumbersome at lunch



"Walk in the park for 25 minutes, lets talk about that...
In contrast, rotating a watch bezel can be done under the table

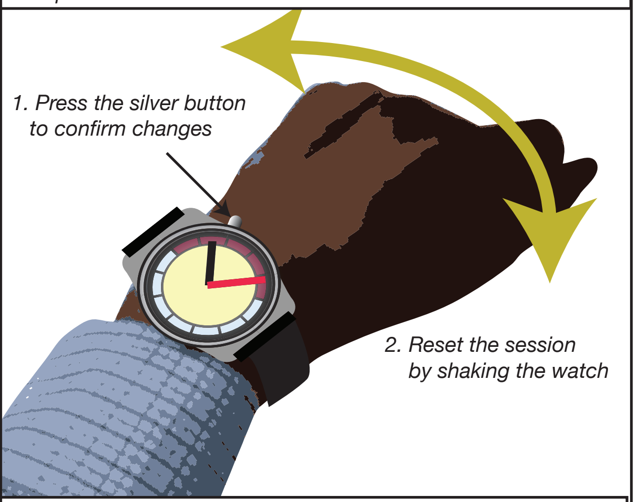


Green glow shows that a schedule can be reconfigured

Illuminated radial displays show the selection entered using the bezel

Pink radial displays show the maximum time compression for the schedule

"We're in business" a backlit screen glows green indicating that a new scheadule was found; the 25 minute entry is shown



1. Press the silver button to confirm changes

2. Reset the session by shaking the watch

Shaking the watch back and forth resets chronoLookAhead to accept future scheduling inquiries

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Basic Interaction Design 1/21/09