

Many Tabs Make a Light Board

Groupware for Mobile Collocated Users

Tabs & Boards?

TABS - inch-scale, used for small personal tasks

BOARDS - yard-scale, used for collaboration



Modern-day Tabs



Modern-day Boards

Why Tabs?

Ubiquitous, networked tabs in everyone's pocket

Affords **independent interaction**

Groupware anywhere

As much **power** as boards



Challenges to using Tabs

Consequential Communication

Information gained without explicit communication



Discussion around shared artifacts

A shared context helps ground the conversation



Augmenting vs. Mediating

Interpret conversation to support social interaction



First Steps: Mobiphos

Exploring effects of real-time sharing on group photography

Iteratively designed with multiple pilot tests

Deployed in **USA** and **Korea**

Evaluated using *in situ* field studies and focus groups

Published results include

- **7 Themes of Use:** (1) Collective photography, (2) The situated, shared experience, (3) Where the individual meets the group, (4) Rhythms of use, (5) Collaboration and competition, (6) Gift giving, taste, and identity, (7) Spectrum of appropriation
- **Design guidelines:** initial attempts to address the challenges above



Ask me what I'll be doing next!

Nirmal J. Patel
nirmal@gatech.edu

