Paper Discussion


Presentation by

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on

Socially-Aware Computing

Paper:

Socially-Aware Computation

& Communication

by

Alex Sandy Pentland

Appears in IEEE Computer Magazine
1. Goal? IT?
2. Social Context
3. Communication?
   Words, Pics, Gesture, Expression
4. Predict?
Behavior?
Quantifiable?
1. Activity Level.
2. Engagement.
3. Stress
Apps

1. Mood Ring
2. Personal Trainer
3. Dating situation
4. Personal relationship
Conclusion
Social Group Management
Software Engineering Report.

Challenges

1. Sensing/Processing Context
2. View Maintenance
3. Minimize Distraction
Group
Actual mapping
feedback

System
Session profile

User
Profile

Device

User Group

Logical Mapping

Model
Social Context

Device Group

Device Context
Trade-off

transparency vs. awareness

100% x

Apps.
View

Maintenance

Routing: How?!

Service Disc: Where?

Approaches

Push: Bounded delay, overhead.

Pull: Long delay, low overhead.
Hybrid: How to adapt View Maintenance.

1. Global View
Total # of msg

N

15 25 35 45

10s

t

Worse case

Total #: \(N + \frac{10s}{10-1} \approx 100\)
Percom'0x

shahmir.eas.asu.edu/nmcn

publication

UbiComp