Emerging Technologies and Standards Development

Christopher Gift
VP of Marketing
KAVI

About Kavi

Founded in 1997, Kavi is the leading provider of enterprise-class collaboration solutions for standards organizations.

80+ organizations

3,200+ committees

30,000+ member companies

250,000+ users

Sample Clients

Problem We're Trying To Solve

The highest quality standards, developed by experts from around the world in an open, collaborative, balanced, and transparent manner, designed to create a strong foundation on which we all can innovate.

Bob Sutor, IBM
ISO ITSIG Workshop, 2008

KAVI

What Emerging Technologies Will Influence Our Thinking and What We Build?

Gartner Top 10 Disruptive Technologies (2008-2012)

1. Multicore and Hybrids

2. Virtualization

3. Social Networks and Social Software

4. Cloud Computing and Cloud/Web Platforms

5. Web Mashups

6. User Interface

7. Ubiquitous Computing

8. Contextual Computing

9. Augmented Reality

10. Semantics

KAVI

What Emerging Technologies Will Influence Our Thinking and What We Build?

Gartner Top 10 Disruptive Technologies (2008-2012)

1. Multicore and Hybrids
2. Virtualization
3. **Social Networks and Social Software**
4. Cloud Computing and Cloud/Web Platforms
5. **Web Mashups**
6. User Interface
7. Ubiquitous Computing
8. Contextual Computing
9. Augmented Reality
10. Semantics

KAVI

Social Networking

- Business information (company affiliation, association affiliations, business contacts, business interests, reputation)

- Personal information (interests, family, alma mater, etc.)

- Group conversations (asynchronous, synchronous, broadcasts, etc.)

Design Parameters

- Architecture of participation

- Unmanaged, but self-organizing

- Broad participation

- Open

Implications for Standards Organizations

DMTF
Tech Committee

American Association of Man Knitters

Represents Self

KAVI

Represents Task Group A

Represents KAVI

DMTF

Frederick B. Hostenmeir
KAVI
Director of Standards
✉ fred@kavi.com

Represents DMTF

SNIA
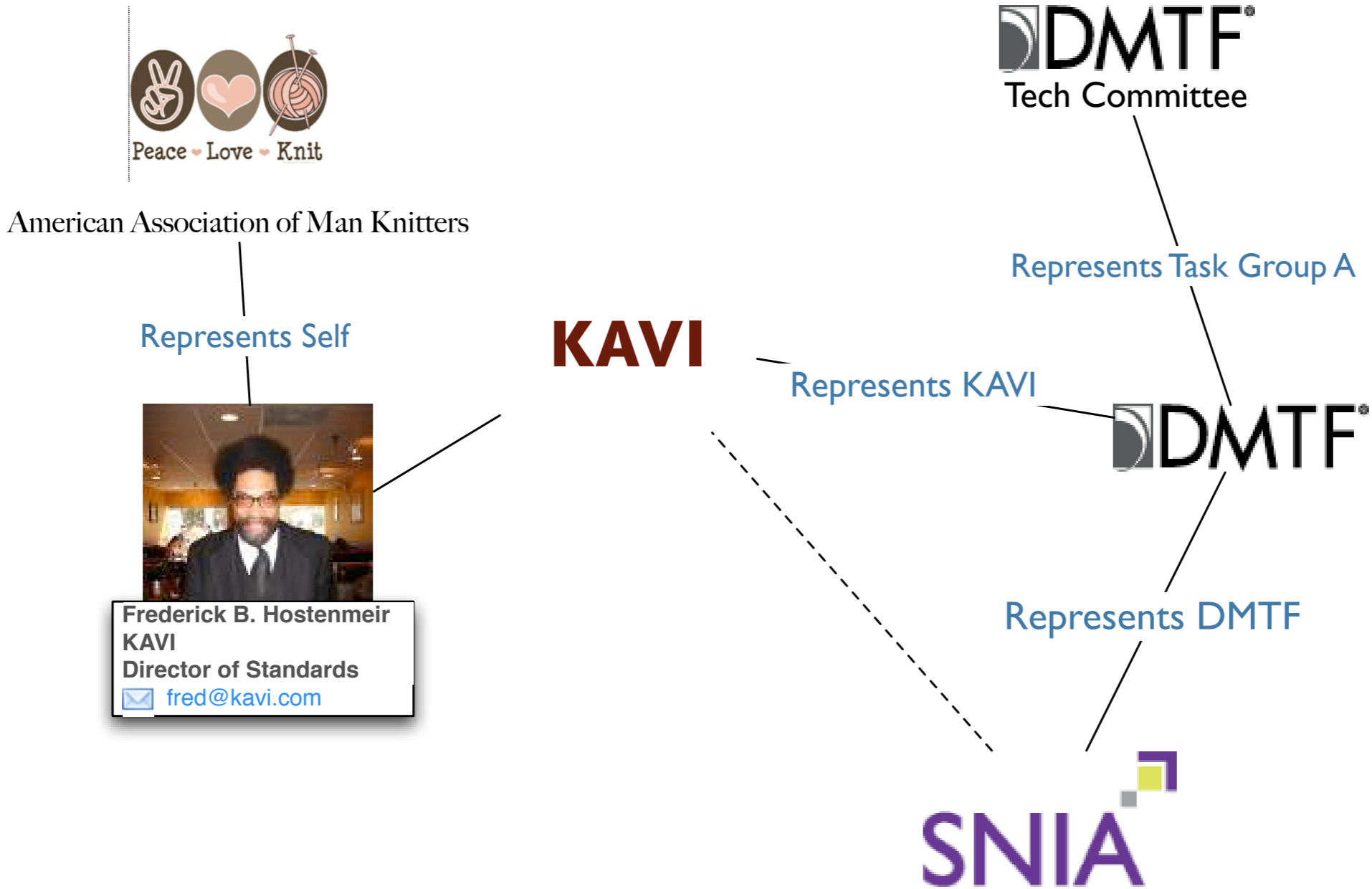
Mapping the representation web

KAVI

Implications for Standards Organizations

Mapping the information flow

KAVI

Implications for Standards Organizations

Organization Structure	Social Structure
- User & Company Accounts	- Social Profiles
- Company management	- Connections
- Group structure	- Reputation
- Roles, Access	- Preferences
- Visibility	- Tagging
- Responsibility	- Flags
- Representation	- Learn
- Educate	

KAVI

Implications for Standards Organizations

- Increase the information bandwidth for improved interpersonal communication and collaboration

- Single and Pan-organization information

- Personal and corporate affiliations, membership levels, group participation, work artifacts, interests, reputation

- Acknowledgements and recognition at the contributor level

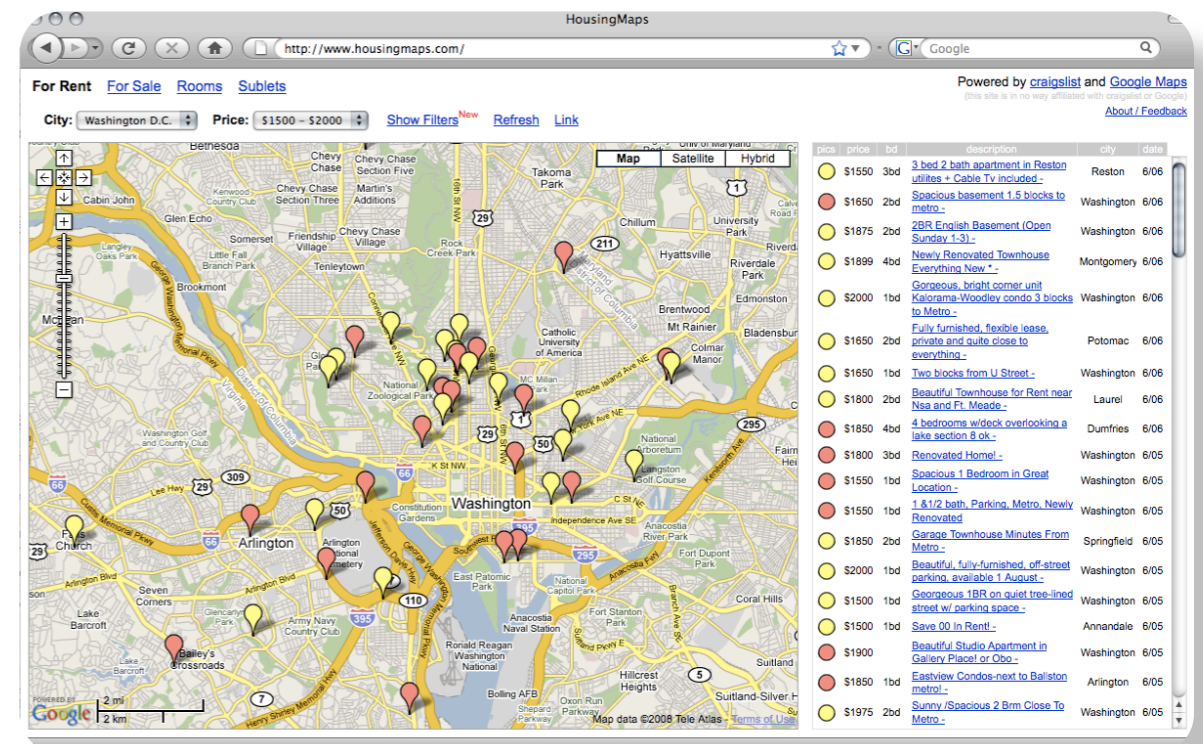- Critical mass of electronic communications feeds from which inferences can be made

KAVI
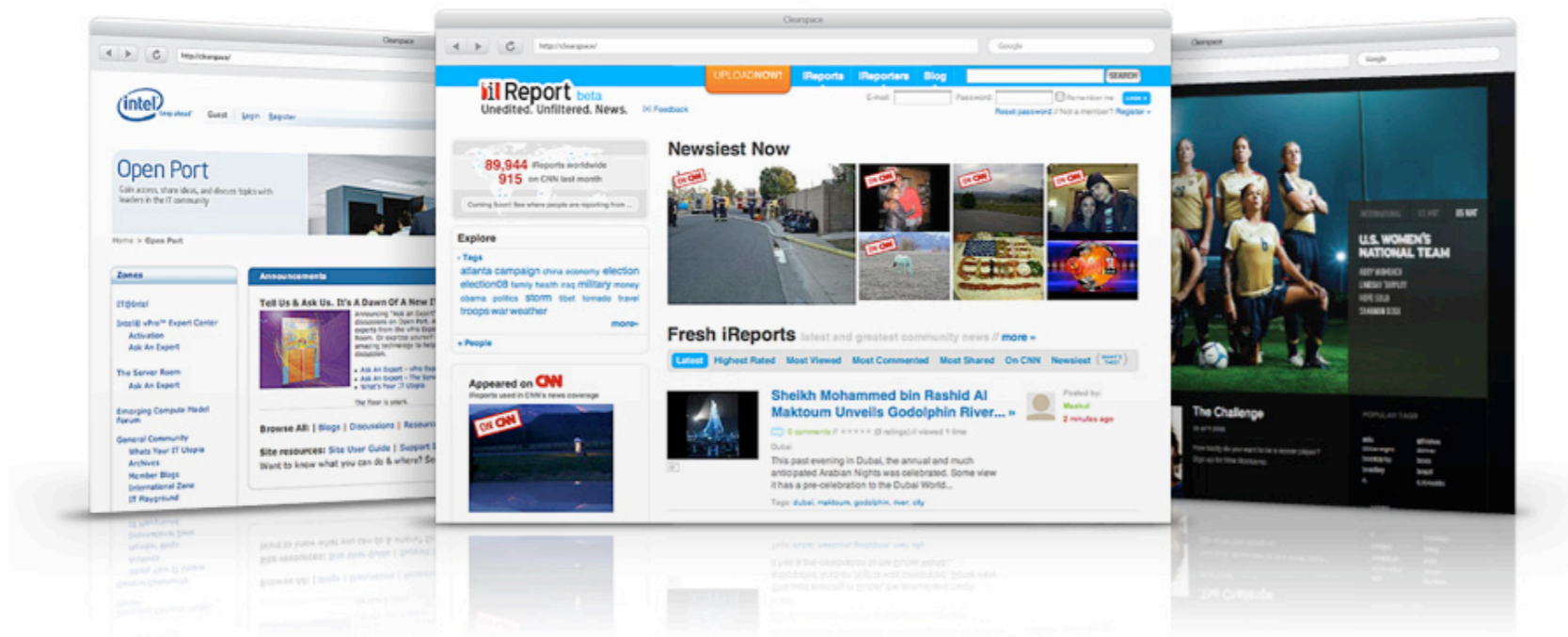
Web Mashups

- A web application that combines data from more than one source into a single, unified tool

  1) Aggregating, re-factoring best-of-breed information sources into an individualized view; user driven information access

  2) Creating new services and value by 'mashing' together multiple existing web services

Design Parameters

- Open APIs

- Cooperation, not control

- Lightweight

- Perpetual beta

NSF Certified Products (Cookware)/Google Maps Mashup

KAVI

Mashup Heaven

Vendors

Participant

Corporate

DMTF

SNIA

GreenGrid
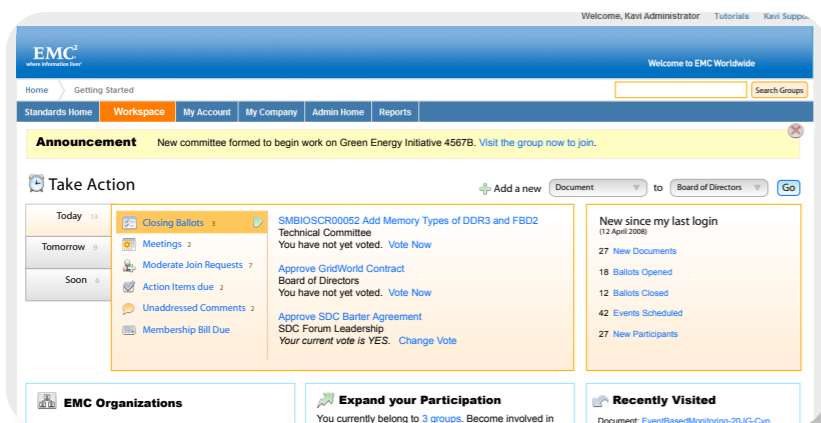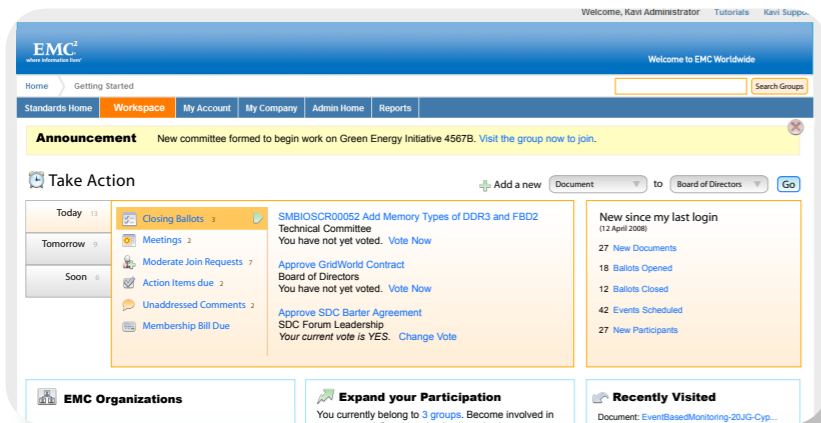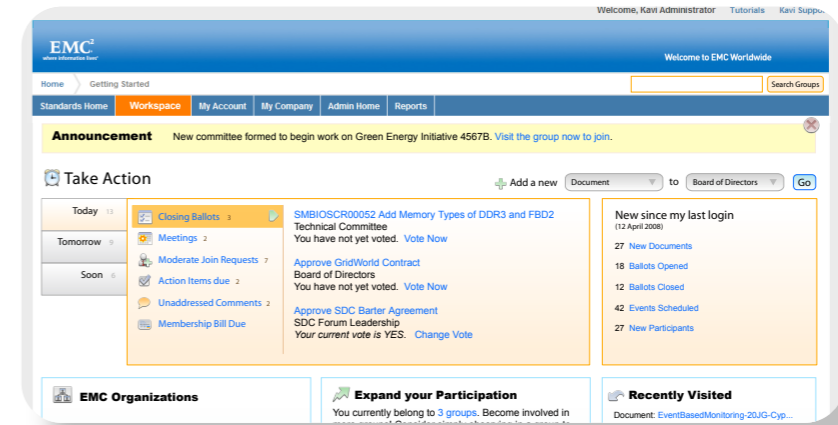
KAVI

Implications for Standards Organizations

- Participants will want to aggregated information from relevant associations

  - Specification status, documents, calendars, ballots

  - Improved time management; Gain new insights; Inform activities on separate tracks

- Integrate organization information with internal data and processes

  - Company participants, success/failures (comments/votes), strategic initiatives, budgets

- Organizations must be prepared to publish data

KAVI

Thoughts for the Near Future

- Many emerging technologies focus on the individual

- Don't ignore the generational technology gap

- Embrace technologies without losing sight of the regulatory framework in which standards organizations function

- Emerging technologies enhance support for the ANSI Essential Requirements

KAVI