CFP Activities Moving Forward

Karen Sollins…

and all of you
Sollins talking with companies individually

Insight: needs to be interactive
  - Work on an idea to form appropriate activity
  - Engage a number of members
  - Find MIT resources

Activities can be
  - Single paper, series of papers, book…
  - Working group
  - Engagement with others outside CFP
  - Others?
Executive Session, 9/10

- Solicited topics from company liaisons
  - Topics they thought valuable
  - Were prepared to discuss in the group
  - Several members responded with a number of topics
  - Two presented
    - Roberto Minerva, TI: **0-Touch Networks**
      - Food for thought, see below
    - Rich Woundy, Comcast: **Broadband Speed Measurements**
      - Considered in MITAS, and possibly Interconnections WG
Proposed a service model of the future

- Assumptions: mobility, small devices, IOT, wireless
- Enable incorporation of 3rd party services into the service provided by the ISP
  - Example: IBM wants to provide functionality to a customer in Italy and Singapore. Contracts with TI and SinTel for services to pull together
- Enable private customers to contribute resources (storage, computation, data, etc.) to the ISP service
  - Example: smart phone users have much available storage and possibly data that could be exploited
- Enable cross domain international service provision
  - Example: Italian buys service from TI and could get same service in other countries, working through local service providers
Why did I say all this?

- Implies a particular service model
  - Composition and evolution of new, non-transport services
  - Different business model with customers
  - Complex web of negotiated relationships for apparently invisible mobility

- How to think about it
  - What “resources” are being provided with what “guarantees”
  - Control points: where are they and who holds them
Must understand

- **Resources:**
  - Identity management
  - Provision of transport, storage and computation: composed from infrastructure and provisioning from under-utilized private resources
  - New business models

- **Control points**
  - Security/privacy/trust mode: service providers, owners of contributed resources, peering networks for invisible mobility
  - Multiple regulatory regimes: governments and international organizations
  - New business models
Suggestion

- Each CFP company has at least one and possibly more than one qualitatively different services models “of the future”
- Consider a survey and comparison
- How this might work
  - Involvement of company members
  - Sollins to take MIT lead
  - Lead to a white paper, not sure that it would be an ongoing WG