3rd RT meeting tentative summary

Presentations 1

- Prof.Minagawa (Japan)
  - Construction IT committee activities of JSCE.
  - Master plan for construction IT
- Prof.Ma and Mr.Hao (China)
  - Survey based on published articles.
  - Design firms, construction firms.
  - Types of articles.
  - International comparison?
- Dr.Choi (Korea)
  - Success in e-Procurement
  - KONEPS: world largest "market place"
- Prof.Heng Li (HK, China)
  - Virtual prototyping
  - From *Reactive* management to *Proactive* management
  - Who pays for BIM model?
  - How to promote "model-based engineering" for construction industry?

Presentations 2

- ☐ Prof.Terai (Japan)
  - ■ Terminolgy and ontology
  - ■ JCCS and wiki-based system
  - ■ Multi-linguistic dictionary?
- ☐ Prof.Kim (Korea)
  - ■ How to proceed terminology WG?
  - ■ Building design approval system
  - ■ "smart code"
- ☐ Prof.Yabuki (Japan)
  - ■ Linking cyber and real infrastructure
  - ■ Sensor networks, RFID etc..

Presentations 3

- ☐ Mr.Akiyama (Japan)
  - ■ Information sharing and exchange for Construction by-product recycling
- ☐ Mr.Isobe (Japan)
  - ■ Registry of meta data as a infrastructure of construction IT: LCDM
  - ■ Examples in the US
- ☐ Mr.Yamashita
  - ■ CEFACT activities.

Presentations 4

- **Dr.Murakami (Japan)**
  - GSI acitivities
  - New NSDI law
- **Mr.Kobayashi (Japan)**
  - Railway GIS
  - Multi-purpose platform
  - Google earth + high resolution satellite imagery
- **Prof.Lin (HK/China)**
  - Digital 21 strategy
  - Various application of geospatial information
  - VGE: Virtual Geographic Environment

Presentation 5

- Prof.Kim (Korea)
  - KOCED, a new Korean Collaboratory or Virtual environment for sharing test facilities
  - Based on Grid technology
  - Data models
- Dr.Ishikawa (Japan)
  - Ubiquitous network and spatial information
  - Universal identifier + RFID
  - Pedestrian navigation etc.

How should we proceed?

Terminology WG

- How to develop?
    - Common platform and increase visibility : Wiki
    - Who operate the wiki systems?
    - Collect/create public-domain dictionaries.
    - Identify synonyms, linking terms.
        - Who will do?
        - How to record, manage the links?
- How to use?
    - Support model integration?
    - Support data discovery and mining?
- Members: need to recruit more volunteers.
    - Prof.Terai, Prof.Kim, Mr.Akiyama, one from Prof.Li's lab and any others?
- Funding?

Data book

- ☐ Complete data book 2006
  - ■ Need your input
  - ■ Need editing works
- ☐ Revise for 2007 version

New common topic 1: model

- How to promote model-based engineering?
- Virtual construction: a kind of umbrella
- Generic model for AEC: a basis of developing detailed ones.
- Who develop models? Volunteers?
  - Who pays for product model development?
    - Change procurement system?
    - Change information management in public sectors?
  - How to add or create values with models?
    - How to expand from architectural buildings to civil engineering structures
- Collect success stories, highlights.
  - Anticipate technical challenges
    - Integration of heterogeneous models
    - Model registry
- Who leads? Prof.Heng Li and Prof. Yabuki, IAI (Yamashita-san)
- Use teleconferencing system

New common topic 2:

- ☐ Geospatial information
  - ■ International comparison of NSDI policy and Geospatial information market?
  - ■ Technical aspects:
    - ☐ Integration of CAD and GIS?
    - ☐ System level, data model level etc.
- ☐ "Collaboratory": Virtual environment for experiments.
  - ■ Data model? (experiment data, analysis results, lineage etc.)
- ☐ Ubiquitous computing
  - ■ Connecting virtual and real world
  - ■ Promoting any experiment in construction sites?

Outreach activities

- Special sessions or at least presentations in international conferences
  - ICCCBE@Beijing
- Special issues?
  - Automation in construction
    - 9 papers are needed.
- Invite experts from other (e.g.manufacturing) industries: Yammashita-san

Next venue

☐ Tokyo?

☐ Beijing? (after ICCCBE)

☐ Hong Kong?

Any other business?