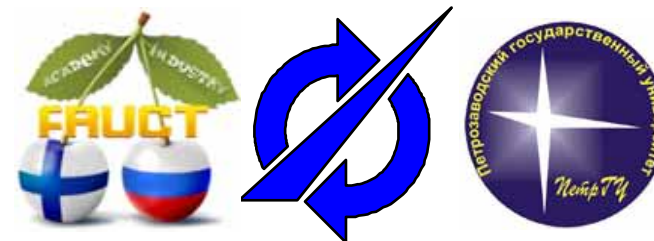


November 11, 2011



Smart Conference Services at 10th FRUCT Conference

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Current Projects around Smart Conference Service



- Current projects:
 - Smart Conference system core (**SPIIRAS**)
 - Smart Scribo: Blogging in Smart Conference system (**PetrSU**)
 - Integration Smart conference and live journal (**SPbETU**)
 - Symbian client for Smart Conference system (**YarSU**)
 - Android client for Smart Conference system (**YarSU**)
 - Pecha Kucha module for Smart Conference system (**YarSU**)
 - HiveMind for SmartConference system (**YaSU**)
 - Web client for Smart Conference system (**SUAI**)
- Future possible projects
 - Context-aware Smart Conference profile changing based on participant location and schedule (**Abo**)

Smart Conference: Introduction

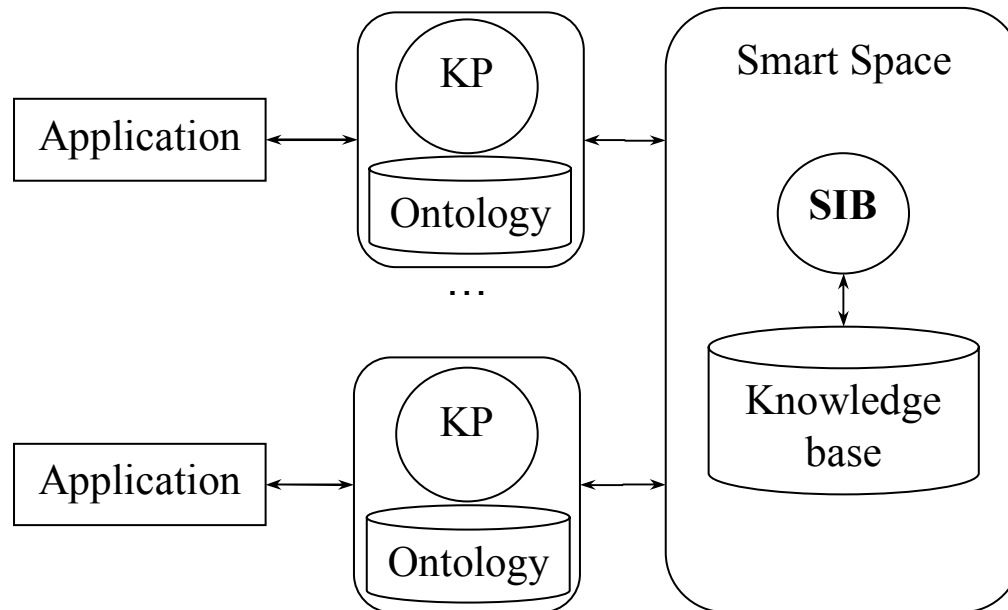


- Intelligent system based on Smart-M3 platform for automation of the conference management processes
- It provides conference participants with the following possibilities:
 - **control of presentations** using mobile devices without any connection cables;
 - **change profiles** using mobile devices and share it to the smart space;
 - access information about another participants (information on profiles and presentations);
 - independent **browsing of presentations** of other participants;
 - **see current presentation** on the projector screen and on the own mobile device;
 - **see conference agenda** on the whiteboard screen and on the mobile device;
- Also the system includes automated scheduling system which shows remaining time for the current participant and reminders to presenters when the presentation time is over

Smart Conference: Smart-M3 Platform Overview



- Smart-M3 includes:
 - SIB: Devices and software entities (applications) can publish their embedded information for other devices and software entities through simple, shared Service Information Brokers.
 - The interface for managing information in the SIB is provided by Knowledge Processors (KP)
- The understandability of information is based on the usage of the common RDF ontology models and common data formats.



- Smart-M3 allows user KP to:
 - add,
 - remove,
 - change, and
 - subscribe,on information in SIB.

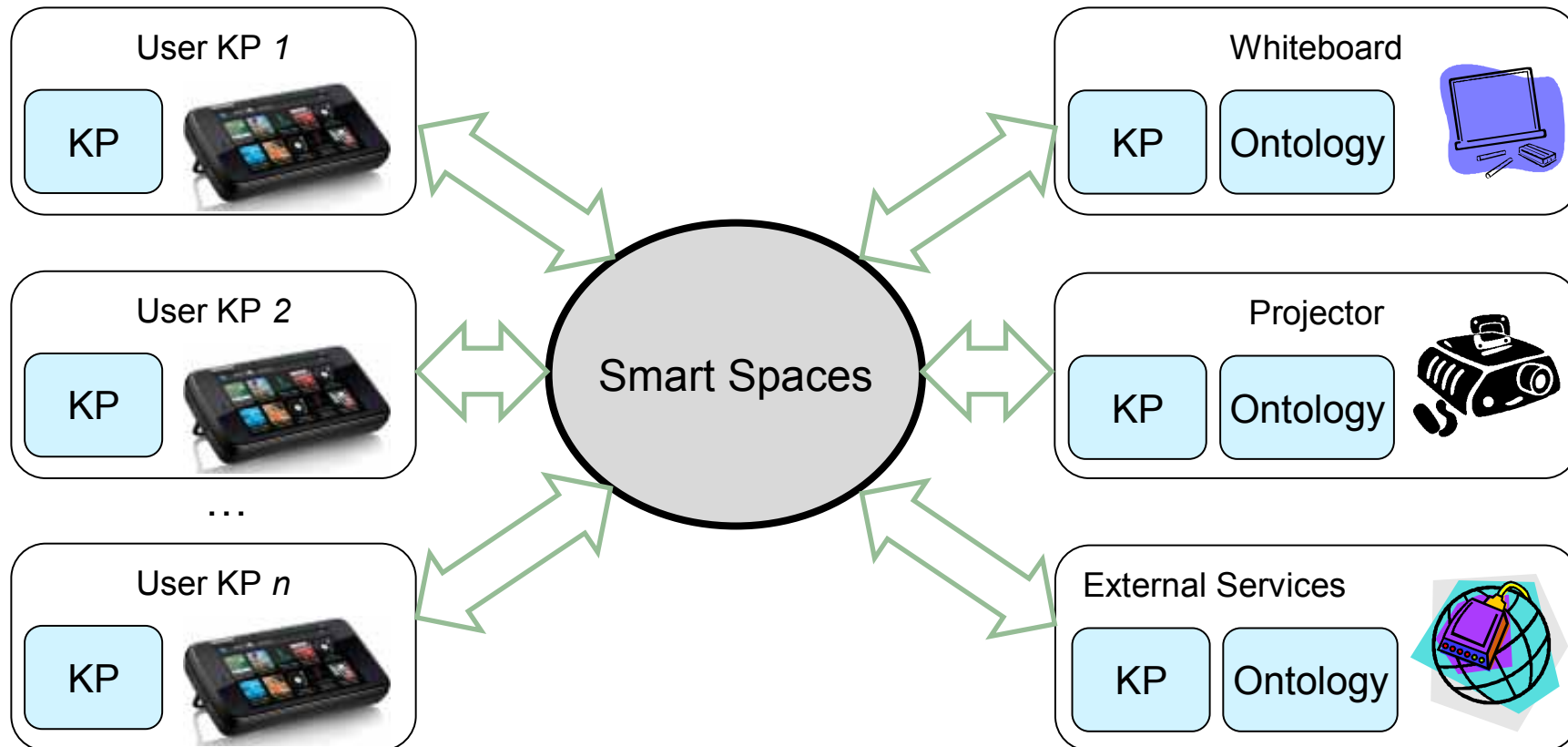
Smart Conference: Base Architecture



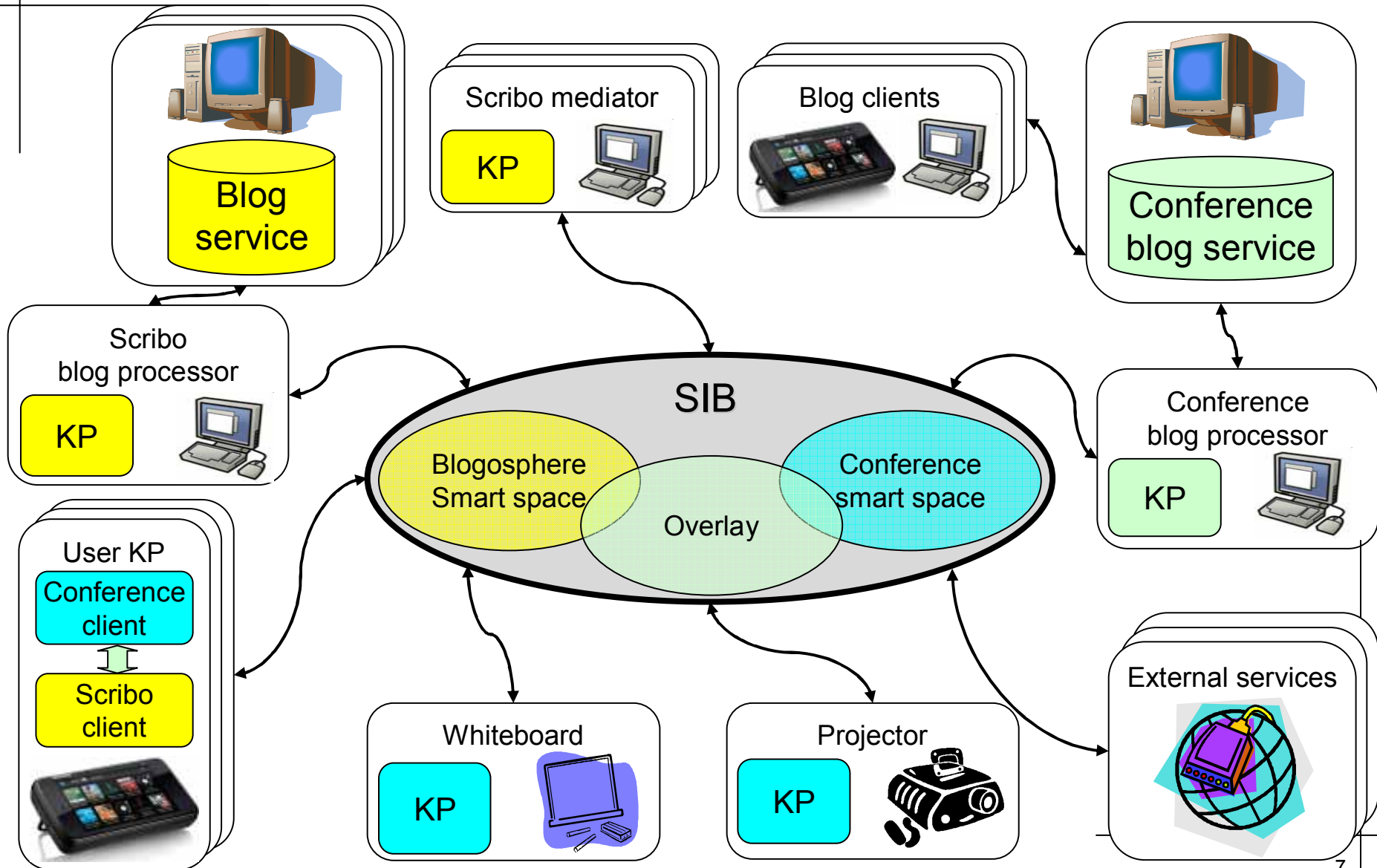
Participant's Software

Smart Space

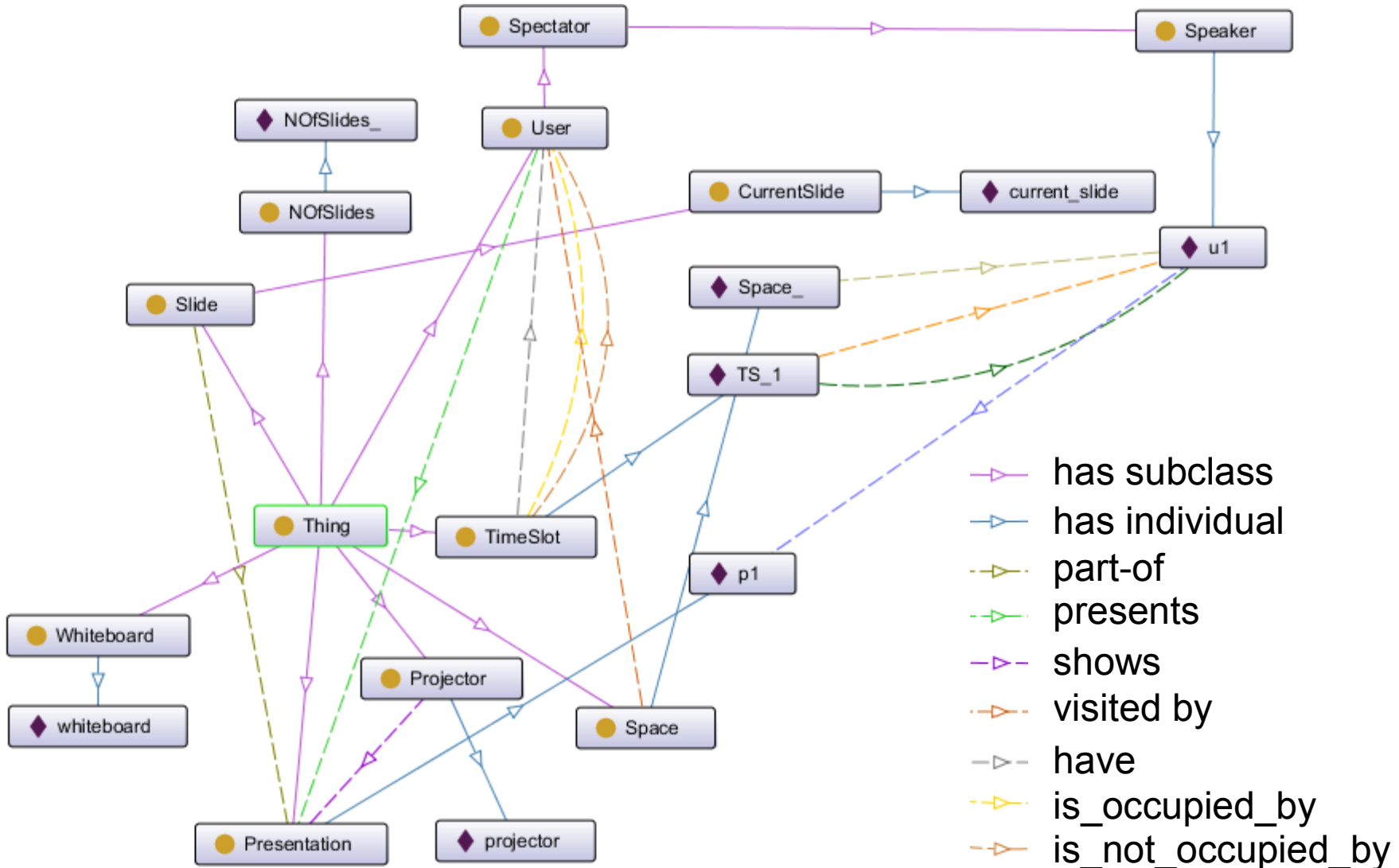
Services



Smart Conference: Multi Service Architecture



Smart Conference: Ontology



Smart Conference: Whiteboard Interface



Agenda for Today

| Photo | Time | Speaker | Presentation |
|-------------------|---------------|-------------------|--|
| | 13:00 - 13:20 | Alexey Kashevnik | Smart Space Working Group Activity Overview |
| | 13:00 - 13:20 | Diana Zaiceva | A Blogging Application for Smart Spaces |
| | 13:20 - 13:40 | Alexander Ronzhin | An audiovisual system of monitoring of participants in the smart space |
| Loading Photo | 13:40 - 14:00 | Ivan Galov | Blogging in the Smart Conference |
| | 14:00 - 14:20 | Aleksandr Lomov | Blogging in the Smart Conference System |
| Speaker is absent | 18:00 - 18:20 | Alexander Galahov | Extensions for Smart Conference |

The current presentation is highlighted by yellow

This buttons allows to change the order of presenters

This buttons allows to start conference from the selected speaker

This buttons allows to stop the conference

This speaker is absent now

For this speaker photo is not available

Scheduled time for the presentation end

Full screen button

Smart Conference: Main User Interface on Nokia N900 device



Agenda of the conference like in the whiteboard

The current presentation is highlighted by yellow

| Time | Speaker | Presentation |
|---------------|-------------------|--|
| 13:00 - 13:20 | Alexey Kashevnik | Smart Space Working Group Activity Overview |
| 13:00 - 13:20 | Diana Zaiceva | A Blogging Application for Smart Spaces |
| 13:20 - 13:40 | Alexander Ronzhin | An audiovisual system of monitoring of partici |
| 13:40 - 14:00 | Ivan Galov | Blogging in the Smart Conference System |

Spectators Interests

My Profile Presenter's Profile Current Presentation

Participant can see and edit his/her profile

Participant can see the current slide in his/her mobile device

Participant can see information and presentation of chosen presenter

Smart Conference: Interface for Remote Control of Presentation



The screenshot shows a mobile application interface for remote presentation control. It features a central slide viewer and a control panel on the right. The slide viewer displays a slide with the title "Smart-Space Working Group Activity Overview" and the name "Alexey M. Kashevnik" from the "St.Petersburg Institute for Informatics and Automation of RAS (SPIIRAS)". The control panel includes a "Slide Scroll" section with up and down arrows, a "Play Video" button, a "time" display showing "19min", a "No page" indicator with "1/12", and a "Close" button. Six callout bubbles provide additional context: "Current slide of user presentation" points to the slide content; "This button allows to start playing video specified in user profile" points to the "Play Video" button; "Buttons for presentation control" points to the "Slide Scroll" arrows; "Current slide number and total amount of slides" points to the "1/12" indicator; "Time left till the scheduled end of presentation" points to the "19min" timer; and "Presenter have to press this button when he/she is completed the presentation" points to the "Close" button.

Current slide of user presentation

This button allows to start playing video specified in user profile

Buttons for presentation control

Current slide number and total amount of slides

Time left till the scheduled end of presentation

Presenter have to press this button when he/she is completed the presentation

Smart Conference: User Profile Management Interface



The screenshot shows a 'Profile' management interface with two tabs: 'Personal' and 'Presentation'. The 'Personal' tab is active, showing fields for Name, E-mail, Phone, Interest, Language, Type, and Photo Url. The 'Presentation' tab is also visible, showing a 'Save' button and a 'Cancel' button. A 'Refresh' button is located below the photo. Callouts provide additional information:

- Refresh specified in Photo URL user's photo**: Points to the Refresh button.
- Information about participant specified in user profile**: Points to the Personal tab fields.
- Presentation information filled the same way**: Points to the Presentation tab fields.
- Path to the presenter's photo. It is needed to keep the photo in the www folder of web-server running on N900 device**: Points to the Photo Url field.

Blogging in Smart Conference System: List of Topics



10:33 Scribo

Sort by: On date

- Home
- Extensions for Smart Conference System
- An audiovisual system of monitoring of participants in the smart meeting room
- A Blogging application for Smart Spaces
- Multilingual Ontology Library Generator for Smart-M3 Application Development
- Blogging in the Smart Conference System

Refresh button

Remove topics

Topics to discuss

Sorting topics by dates

Return to main window

Blogging in Smart Conference System: Discussion Interface



Home button

Discussion tree

Refresh button

Increase and decrease scale

13:07 Scribo

fruct9, 2011-04-29 13:19
(no title)
Very useful presentation!
[\(Delete\)](#) [\(freeze\)](#) [\(screen\)](#)

fruct9, 2011-04-29 13:22
supporting a new languages
What you need to add to SmartSlog for supporting a new language?
[\(Delete\)](#) [\(freeze\)](#) [\(screen\)](#)

fruct9, 2011-04-29 13:29
beta-release
When a beta-release of SmartSlog
[\(Delete\)](#) [\(unfreeze\)](#) [\(screen\)](#)

Home

Refresh

Increase

Decrease



Conclusion

- Smart Conference system has been presented.
- Please, inform me about ideas of how-to improve SmartConference system.

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<http://sourceforge.net/projects/smartconference/>

**Thank you for Attention
Questions are Welcome**



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