

SmartRoom Demo: Guide for FRUCT18 Conference Participants

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Abstract—During the 18th FRUCT Conference the SmartRoom system is used for assisting the organization and collaborative activity of some conference sessions.

The SmartRoom system is developed at Petrozavodsk State University in cooperation with other FRUCT members [1]. It assists humans in such collaborative work activity as conferences, meetings, and seminars. The open source code is available at <https://sourceforge.net/projects/smartroom/>.

For participants registration in the SmartRoom system several options are available. First, the organizers can register corresponding presenters of the sessions in the SmartRoom system based on the FRUCT18 conference program and provided presentations. Second, any interested participant can also send by email her/his full name and presentation (title and PDF file) to smartroom@cs.karelia.ru for early registration. Third, if none of the above two options, the steps of individual web-based registration immediately before the session are as follows.

- 1) Register your account at the SmartRoom web service using QR code on the Presentation screen in the conference session room to get the URL (or find this information from the organizers).
- 2) Log in and upload your presentation in PDF yourselves (or provide the presentation directly to the organizers).

Before the beginning or during the session each presenter joins the system using SmartRoom client [2] installed on her/his Android or Windows Phone personal mobile device (smartphone or tablet). The system uses one of Wi-Fi network provided for the FRUCT18 conference. The following steps describe the procedure.

- 1) Install the SmartRoom client, see QR codes in Fig. 1.
- 2) Use the client to log in the SmartRoom system using your registration credentials. (You can download a client configuration file using QR code on the Presentation screen in the room or enter the IP address and port of the deployed system manually.)

Other conference session participants (attendees, not presenters) are welcome to use either anonymous login (guest) or even their register own accounts (no presentation is needed). QR codes and short URLs for downloading the SmartRoom client can be found in Fig. 1. User manuals (PDF file, in English) for the SmartRoom client are accessible using the QR codes shown in Fig. 2.



Android devices



Windows Phone devices

Fig. 1. QR codes to download SmartRoom clients from mobile application stores



Android manual



Windows Phone manual

Fig. 2. QR codes to download SmartRoom client manuals

In addition to basic control of conference session activity, such as slide show control and session agenda manipulation, the SmartRoom system supports advanced services to assist the collaborative work. The following examples are included to the SmartRoom demo at the FRUCT18 conference.

Social Program: The result of the social program construction consists of some nearby points of interests (POIs), which conference participants would like to visit within some groups [3]. The construction is cooperative by all interested participants. They make own decisions to decide which POIs are of their personal interest, and for some POIs a group of potential visitors is formed. Voting is via a specialized web interface on the client side (for details, please refer to the client manual). The construction process and its results are also shown on public room screens during the sessions and breaks. Such public services as Flickr and Panoramio are used for searching photos and pictures associated with the POIs.

Discussion: This assistance scenario allows the participants to discuss by publishing commentaries on conference talks,

either currently ongoing, or already passed ones, or just going to happen [4]. Any participant can join a discussion thread of the talk using the SmartRoom client (for details, please refer to the manual). Blog comment hosting service Disqus for web sites and online communities is used (<https://disqus.com/>). After each talk a collected set of questions and commentaries is shown on the public screen in the room, and the presenter can make discussion based on this feedback from the participants.

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