Index of /mlmi04/MLMI-Talk-016/slides

Name	Last modified	Size	Description
Parent Directory	14-Oct-2004 17:35	-	
Overview.html	16-Sep-2004 12:20	2k	
common/	16-Sep-2004 12:20	-	
corepoorate/	16-Sep-2004 12:20	-	
oldskool/	16-Sep-2004 12:20	-	
slide1-0.html	16-Sep-2004 12:20	2k	
slide10-0.html	16-Sep-2004 12:20	2k	
slide11-0.html	16-Sep-2004 12:20	3k	
slide12-0.html	16-Sep-2004 12:20	2k	
slide13-0.html	16-Sep-2004 12:20	2k	
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slide15-0.html	16-Sep-2004 12:20	2k	
slide16-0.html	16-Sep-2004 12:20	2k	
slide17-0.html	16-Sep-2004 12:20	2k	
slide2-0.html	16-Sep-2004 12:20	2k	
slide3-0.html	16-Sep-2004 12:20	2k	
slide4-0.html	16-Sep-2004 12:20	2k	
slide5-0.html	16-Sep-2004 12:20	2k	
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slide7-0.html	16-Sep-2004 12:20	2k	

slide8-0.html   16-Sep-2004 12:20   2k

slide9-0.html   16-Sep-2004 12:20   2k

Apache/1.3.31 Server at mmm.idiap.ch Port 80

The World Wide Web Consortium

W3C gathers world-wide experts to write Web specifications (Web Services, Semantic Web, XHTML, CSS, etc.)

Work is done through face-to-face meetings, teleconferences, the Web and mailing lists

There are few face-to-face meetings. Teleconferences once or twice every week

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Publishing minutes

RRSAgent automates:

- publication of IRC logs, auto url, access control

  > *RRSAgent, record*

  * RRSAgent is logging to http://www.w3. org/2004/03/18-foo-irc

  ...

  > *RRSAgent, bookmark*

  <RRSAgent> http://www.w3.org/2004/03/18- foo-irc#t1853

  ...

  > *RRSAgent, please make log member- visible*

  <RRSAgent> I have made the request, Max

W3C

Floor Control

The extra communication channel that IRC provides can be used as a minimal replacement for gestures or other non-audio information

Via IRC

```
<John> queue+ to ask if we should
remove section 1
<Zakim> I see Mary, John on the
speaker queue
<Bob-chair> ack John
<Zakim> John, you wanted to ask if we
should removesection 1
<Zakim> I see Mary on the speaker queue
<Al-scribe> John: Yes, I really think
we should removethe section...
<Bob-chair> queue?
<Zakim> I see Mary on the speaker queue
```

Via DTMF

hand up: #41

hand down: #40

```
* Zakim hears Mary raise a hand
```

Agenda Control

- agenda items

- action items

```
<John> agenda+ recommending changing
section 3
* Zakim notes agendum 5 added
<John> agenda?
* Zakim sees 2 items remaining on the
agenda:
* Zakim 4. solving issue #42
* Zakim 5. recommending changing
section 3 [from John]
...
<Bob-chair> Zakim, take up agendum 5
<Zakim> agendum 5. "recommending
changing section 3"
        taken [from John]
```

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Results

Much less time spent on teleconference administration

- Avoid roll-calls (fewer "who just joined?")

- More accurate meeting records, checked on the fly by participants

- More accessible: to non-native speakers, bad telephone lines

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Technical Issues

- Associating Caller-Id info with IRC nicknames

- Reverse-engineer the hardware protocol

- DTMF sounds

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Shortcomings

- Audio recording: not a priority

- Videoconferencing: not obvious [investigating]

- Collaborative text-editing: the Web of course, except...

- Collaborative whiteboard: ditto

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Arising problems

- People who aren't on IRC missing some of the information? Not really. For floor control, DTMF can be used

- Discipline: from the meeting chair (speaking turns, agenda), scribe (must take minutes 'real-time'), participants (respect speaking turns, follow IRC)

- Using IRC as a parallel discussion channel

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Enhancements

Planned

- DTMF noise cancelling: more DTMF commands (straw polls?)

- Recording: we could segment audio recording from speaker data and agenda data

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Enhancements

Future?

- Real-time line display monitoring (from original interface)

- More communication channels: collaborative editing

- Enhance synthesis of minutes: accurate record (audio?) vs. short synthesis

- Emotional vs. argumentative states

- ASR "Zakim, …"?

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W3C Teleconferences

Principles

- Optimize teleconference time to focus on technical issues, not overhead

- Avoid repeats: record as much as possible

In Practice

- Must record who was there

- Must record what was said, by whom

- Meeting record has to be published on www.w3.org

- System must be robust [calendar]

- Accessible: platform-agnostic software

Zakim

Commercial telephone bridge offering:

- Software-driven control interface

- multiple/parallel teleconferences, accessible through pass codes

- Caller-ID information

- Line activity monitoring

Originally, the information above is available to the operator only.

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Zakim's Web Interface

Dynamic web pages for bridge control and <u>monitoring</u>

Provides basic functionality but still limited.

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W3C®

IRC

A real-time communication channel, parallel to the phone

> `> /join #foo`
> `  You have joined channel #foo`
> `  Users on #foo: Mary Max`
> `> what's the agenda of today's meeting?`
> `<Mary> http://www.w3.org/2003/05/12-foo-wg-meeting.html`
> `> thanks Mary.`

Max Froumentin

IRC for taking minutes

Reliable distributed ASR…

`<Al-scribe> Max: I see two solutions to this problem`
`<Al-scribe> Max: one is to remove section 1.`
`> ` *`I actually said 'section 2', Al.`*
`<Al-scribe> Sorry, thanks for the correction, Max.`

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Zakim-bot

The interface between Zakim and IRC is Zakim-bot, a fake IRC user

```
> /invite zakim #math
Zakim (rrs-bridgg@18.29.0.30) has
joined channel #math
>   Zakim, list teleconferences
<Zakim> I see VB_VBWG(ssml)12:00PM,
XML_QueryWG()12:00PM active.
>   Zakim, this is VBWG
<Zakim> ok, Max
>   Zakim, what's the passcode?
<Zakim> the conference code is 8294,
Max
...
<Zakim> +Max
```

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Zakim-bot Features

Roll call

```
>    Zakim, who's on the call?
<Zakim>  On the phone I see Max, Mike,
Mary (muted), Alexei
...
<Zakim> +Andrew
...
<Zakim> -Mike
<Zakim> VB_VBWG(ssml)12:00PM has ended
<Zakim> Attendees were Max, Mike,
Mary, Alexei, Andrew
...
* Zakim excuses himself; his presence
no longer seems to be needed
Zakim (rrs-bridgg@18.29.0.30) has left
channel #mmipen: #mmipen
```

Muting/unmuting

```
<Alexei> Zakim, mute me
<Zakim>  Alexei should now be muted
```

Line monitoring

```
<John>  Zakim, who's speaking?
```

`<Zakim> John, listening for 10 seconds I heard sound from`

`the following: Mary (10%),`

`Robert (45%)`