**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **IEEE802.15 WG minutes** | |
| Date Submitted | 11 November, 2010 | |
| Source | [Pat Kinney] [Kinney Consulting, LLC] [Chicago, IL] | Voice: [1.847.960.3715] Fax: [] E-mail: [pat.kinney@ieee.org] |
| Re: | 802.15 Plenary Meeting in Dallas | |
| Abstract | IEEE 802.15 Working Group Minutes | |
| Purpose | Official minutes of the Working Group Session | |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
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**IEEE 802.15 Plenary Meeting – Session #69**

**Hyatt Regency Dallas, Dallas, Texas**

**November 8 - 11, 2010**

**Monday, 8 Nov 2010**

**11:01 AM** The chair, Bob Heile, called the meeting to order.

The chairasked for new attendees to raise their hands; 2 were present.

Announcements:

* Social on Wednesday at 6:30 pm

Chair informed the group of, and displayed the IEEE-SA patent policy presentation slides 0-5 (<http://standards.ieee.org/board/pat/pat-slideset.ppt>).

Chair asked the participants who wished to declare a Letter of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG. There were no attendant responses to this call.

Chair displayed and read the standard IEEE Anti-Trust statement.

Rick Alfvin stated the information (IEEE 802.15-10/038r06) on registration requirements and the network information. Basic topics covered were:

* Registration requirements
* Network information
* Attendance sheets
* Voting Tokens
* Voting Rights
* Meeting Video Audio recording – not allowed

802.15 Work Group Membership status (as of 27 Oct 2010):

* 217 voting members
* 41 nearly voters
* 90 aspirants

Future Sessions

* 16 - 21 Jan, 2011, Hyatt Century Plaza, Los Angeles, CA, USA
* 13 - 18 Mar, 2011, Marina Bay Sands, Singapore
* 8 - 13 May, 2011, Hyatt Grand Champion, Palm Springs, CA, USA
* 17-22 July, 2011, Hyatt Regency, San Francisco, CA,USA
* 18-23 September, 2011, Convention Center, Okinawa, Japan (Pending)
* 6-11 November, 2011, Hyatt Regency, Atlanta, GA, USA
* 15-20 January, 2012, Hyatt Regency Jacksonville, Jacksonville, FL
* 11-16 March, 2012, Venetian Hotel, Macao, PRC
* 13-18 May, 2012, Hyatt Regency Atlanta, Atlanta, GA, USA
* 15-20 July, 2012, Grand Hyatt Manchester, San Diego, CA, USA
* 9-14 September, 2012,Hilton Waikoloa Village, Big Island, HI, USA
* 11-16 November, 2012, Grand Hyatt San Antonio, San Antonio, TX, USA

Chair presented the EC Meeting Report (IEEE 802.15-10-0864-00)

J Barr presented the Treasurer Report (IEEE 802.15-10-0857-00)

* September 12, 2010 - $349,002.84
  + IEEE Account: $289,509.84
  + Face-to-Face: $59,493 (April 30, 2010 audit report)
* November 7, 2010 - $358,834
  + IEEE Account: $289,509.84 + $50,000 + 183.97 = $339,693.81
  + Face-to-Face: $59,493 - $50,000 + $9,197 = $19,140

Chair asked to have the WG approve the agenda (document IEEE 15-10-0817-03-0000). Phil Beecher moved *to approve the agenda*, with James Gilb seconding the motion. Following no objection the agenda was approved.

Clint Powell moved *to approve the previous meeting minutes (document 15-10-0708-00-0000)* and Art Astrin seconded the motion. Following neither discussion nor objection the minutes were approved. No matters resulting from the previous minutes

802 Architecture report by James Gilb

* Current document is out of date and needs to be updated and cleaned up
* Major concern on bridging

Task group reports follow:

Pat Kinney gave TG4e (MAC enhancement) goals for week

* Resolve comments from LB60
* update draft as per resolutions

Mike McInnis gave TG4f (RFID) goals

* Reviewing and drafting text for release to letter ballot

P Beecher gave TG4g (SUN) goals

* Resolve comments from LB59
* update draft as per resolutions

P Kinney gave TG4h (corrigenda) goals

* effort on hold pending TG4i success

J Gilb gave TG4i (revision) goals (doc 15-10-867)

* resolve comments from LB58

Arthur Astrin gave BAN TG6 review

* + - Successful LB55 (76.7%) with 2418 comments
    - Down to 7 unresolved comments
    - Goal is to go out for recirc after this session

Eun Tae Won gave TG7 goals

* Send draft out for recirculation
* 150 comments, 64 technical

SG MBAN by Ray Krasinski

* Resolve comments on PAR and 5C

SG PSC by Peter Murray

* reworking PAR and 5C

LECIM IG by D Howard

* Resolve comments on PAR and 5C

TerraHz IG by Tomas Kuerner

* + Presentations on technology and WRC regulations

HIP IG by R Moskowitz

* Asking network experts as to security requirement

SRU by Shoichi Kitazawa

* IEEE802.15-10-0739r1 A Proposal Toward Better Use of Spectrum Resources in future WPAN

WNG by P Kinney

* Presentation on Evolution of RTLS based on ISO and IEEE standards (doc 831), Discussion on Key Negotiation using DIET HIP, Cooperative Relay for Coverage Extension in VLC System

Rules by Pat Kinney

* Working on updating draft as per comments and revised 802.11 operations manual

802 PARs

* 802.11 PAR for fast authentication.

AoB - none

**12:08 PM** The chair recessed the meeting

Wednesday, 10 Nov 2010

**10:32** Bob Heile, WG chair called the meeting to order.

WG Chair made announcements concerning social and logistics.

**10:36** WG18 liaison by J Barr

* No report

10:37 WG19 liaison by S Kato

reviewing pars and working on coexistence

**10:46** TG4e by Pat Kinney (Kinney Consulting LLC)

* Working on comment resolution, capturing the resolutions in document 15-10-0862
* Motion: *Seek EC approval to submit a request to NesCom to modify the 802.15.4e PAR from an amendment to 15.4-2006 to amendment to 802.15.4. Specifically modify the non-editable field "Type of Project" to read "Amendment to IEEE Standard 802.15.4 " rather than "Amendment to IEEE Standard 802.15.4-2006" and modify Section 5.2 Scope to remove the reference to 802.15.4-2006 and replace it with 802.15.4.*
* Moved by Patrick Kinney, and seconded by James Gilb
* Following no discussion the vote was taken with the results of 62/1/1, motion carries
* Motion*: Seek EC approval to submit a request to NesCom to modify the 802.15.4f and g PARs from an amendments to 15.4-2006 to amendments to 802.15.4. Specifically modify the non-editable field "Type of Project" to read "Amendment to IEEE Standard 802.15.4 " rather than "Amendment to IEEE Standard 802.15.4-2006"*
* Moved by Patrick Kinney, and seconded by James Gilb
* Problem stated with an amendment to a non-specific document, i.e. no year - reply was that this is a SA procedure issue
* Following discussion the vote was taken with the results of 65/2/0, motion carries

**10:47** TG4f

* Drafting text
* Goal of completing draft this session

**10:48** TG4g by Phil Beecher

* Working on comment resolutions

**10:56** TG4h by Pat Kinney (Kinney Consulting LLC)

* TG4h is on hold pending TG4i progress

10:58 TG4i by James Gilb

* Motion: *to forward 15-10-902-00 to the Executive Committee for approval to forward to NesCom as a modified PAR for 802.15.4*
* Moved by James Gilb and seconded by Ed Callaway
* Discussion: current amendment titles, what about technical changes in the revision? In a revision PAR all areas of the standard are open to change.
* Upon conclusion of discussion the vote was taken with the results of 63/0/0
* Motion: That James Gilb, Pat Kinney, Ed Callaway, Monique Brown, Phil Beecher, Clinton Powell are approved as the ballot resolution committee for 802.15.4i
* Moved by Callaway and Rolfe
* Following neither discussion nor opposition the motion carries with unanimous consent.
* Motion: *The WG to begin a recirculation ballot to forward P802.15.4i-D0.pdf with the changes described in 15-10-0833-03 to Sponsor Ballot*
* Moved by Gilb and seconded by M Brown.
* Following neither discussion nor opposition the motion carries with unanimous consent.

11:03 TG6-BAN by Art Astrin

* Finished all comment resolutions (doc 492r11)

**11:03** TG7 by Eun Tae Won

* Comment resolution effort is ongoing

**11:04** MBAN by Ray Krasinski (15-10-0893-03)

* Revised PAR and 5C as per the 15 WG comments received
* MBAN SG approved a motion to request the WG to submit revised PAR (15-10-260-10) and 5C (15-10-261-06) with vote of 12/0/0
* Motion: *request that the PAR and Five Criteria contained in documents 15-10-0260-10 and 15-10-0261-06 be approved by the 802.15 WG and that the EC be requested to forward the PAR to NesCom*
* Moved by Ray Krasinski
* Seconded by Peter Murray
* Results: 68/0/2, motion carries

**11:15** LECIM IG closing report by D Howard (15-10-0894-03)

* Revised PAR and 5C as per received WG comments
* LECIM SG approved a motion to request the WG to submit revised PAR (15-10-756-08) and 5C (15-10-757-04) with vote of 32/0/0
* Motion: *request that the PAR and Five Criteria contained in documents 15-10-0756-08 and 15-10-0757-04 be approved by the IEEE 802.15 WG and that the EC be requested to forward the PAR to NesCom*
* Moved by David Howard (OnRamp)
* Seconded by Shu Kato (NICT)
* Follow no discussion the vote was taken with the results of 70/0/0 motion carries

**11:27** PSC SG by P Murray

* Working on revising the PAR and 5C documents based upon comments from 802 WGs

**11:28** IG THz by Tomas Kürner (15-10-885)

**11:31** IG HIP by Robert Moskowitz tutorial last night and meeting this morning

**11:32** IG SRU by Shoichi Kitazawa

* Presentations heard on better use of spectrum resources

**11:33** WG chair recessed the meeting until Thursday evening.

**Thursday, 11 Nov 2009**

**18:33** WG chair called the meeting to order

**18:34** 802.19 liaison by S Kato

* New FCC whitespace rule meeting
* Four presentations were heard

**18:36** Closing report for TG4e by P Kinney (15-10-0929-00)

* ~50% comments have been resolved (862r3)
* Ready for recirculation after January session

**18:43** Closing report for TG4f by M McInnis (15-10-0905-00-004f)

Move *that the 802.15 WG approve the start of a WG Letter Ballot requesting approval to forward document d1P802-15-4f\_Draft\_Standard\_Document to Sponsor Ballot.*

Moved by Michael McInnis

Seconded by Tim Harrington

Following neither discussion nor objection the motion carries by unanimous consent.

**18:51** Closing report for TG4g by P Beecher (15-10-0932-00-004g)

Motion: *that the 802.15 Working Group seeks approval from the 802 EC to form a study group to develop the PAR and 5c documents for the amendment of IEEE 802.15.4 for operation in TV White Space, with particular consideration for SmartGrid applications.*

Moved by Phil Beecher, seconded by Jay Ramasastry

Discussion: will this preclude using TVWS for other applications using 15.4? No

Following no further discussion the vote was taken with the results of 45/0/3, the motion carries.

**18:56** Closing report for TG4h by P Kinney

**18:57** TGi by J Gilb (15-10-0867-02)

Motion: *802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot*

Following no discussion the vote was taken with the results 49/0/0, motion carries.

**19:00** Closing report for TG6 by A Astrin (15-10-0892-00-0006)

Motion: *that WG approve: Daniel Lewis, Anuj Batra, Jin-Ming Ho, Marco Hernandez, Huan-Bang Li, S. Park, Art Astrin as 802.15.6 Comment Resolution Oversight Committee to certify that the changes have been correctly applied and that the resulting d02 is ready to start the recirculation at the discretion of TG chair.*

Moved by Art Astrin, seconded by Huan-Bang Li

Discussion: who will chair this committee? Reply: The TG chair.

The vote results were 45/1/0, the motion carries.

**19:07** Closing report for TG7 by Eun Tae Won (15-10-0930-01)

Motion: *that the WG accept the comment the comment resolutions in document 15-10-0861-04-0007-combined-lb61-comment-entry-form.xls, as the resolution for comments from letter ballot #61.*

Moved by Eun Tae Won and seconded by Clint Chaplin

Following no objections the motion carries by unanimous consent

Motion: *Move to authorize Rick Roberts, Sang-Kyu Lim, and Sridhar Rajagopal as the 802.15.7 Comment Resolution Oversight Committee chaired by Eun Tae Won; said committee to expire at the beginning of the January 2011 802 Wireless Interim Session. The Comment Resolution Oversight Committee is authorized to approve the resolutions and to approve the start of recirculations of the 15.7 draft on behalf of the Working Group. Comment resolution on Recirculations between sessions will be conducted via reflector email and via teleconferences announced to the reflector at least 7 days in advance.*

Moved by Eun Tae Won and seconded by Clint Chaplin

Following no objections the motion carries by unanimous consent

Move *that the Working Group seek EC conditional approval to start Sponsor Ballot of IEEE 802.15.7*

Moved by Eun Tae Won and seconded by Art Astrin. Upon no discussion the voting commenced with the results of 46/0/0, motion carries.

**19:15** MBAN closing report by Ray Krasinski (15-10-0919-01)

Motion: *that 802.15WG request approval from the 802EC to renew the MBAN SG*

Moved by Ray Krasinski and seconded by Art Astrin

Upon no discussion the vote was taken with the results of 35/0/1, motion carries.

**19:19** LECIM closing report by David Howard (15-10-923-01)

Motion: *that 802.15WG request approval from the 802EC to renew the LECIM SG*

Moved by David Howard and seconded by Art Astrin

Upon no discussion the vote was taken with the results of 37/0/0, motion carries.

**19:26** PSC by Peter Murray (15-10-0931-00)

Motion: *that 802.15WG request approval from the 802EC to renew the PSC SG*

Moved by Peter Murray and seconded by Art Astrin

Upon no discussion the vote was taken with the results of 36/0/0, motion carries.

**19:28** IG HIP group by Robert Moskowitz (15-10-921-00)

**19:31** Rules by Pat Kinney

Draft Operation Manual was reviewed, it was agreed that the voting membership flow chart needed to be updated (i.e. copy 802.11’s). This draft document will be updated following this session and be available by start of next session.

**19:32** Architecture by James Gilb

draft will be available for review and commenting after this session

**19:34** 802.11 liaison by Clint Chaplin (15-10-936-00)

**19:40** ZigBee liaison report by B Heile

* Applications related to smart grid and smart home are moving ahead
* British Gas has adopted ZigBee for its smart meters

**19:42** ISA100.11a liaison report by P Kinney

* ISA100.11a is undergoing a corrigenda revision letter ballot

**19:44** P2030 report by B Heile

* Planning March for sponsor ballot

**19:45** SGIP working priority action plans

* PAP2 effort is trying to close out an update to its matrix
* Vote on PAP2 outcome? probably

**19:49** Motion to adjourn was made by Phil Beecher and seconded by Clint Powell. Upon hearing no objection, the motion carries; the session is adjourned.

**Annex A**

|  |  |  |  |
| --- | --- | --- | --- |
| 188 Attendees |  | | |
| **Name** | | | **Declared Affiliation** |
| Ahn, Gahng-Seop | | | CUNY - City University of NY |
| Aiello, Roberto | | | Itron Inc. |
| Alfvin, Richard | | | VeriLAN |
| Asano, Takamasa | | | Fuji Electric |
| Astrin, Arthur | | | Astrin Radio |
| Aust, Stefan | | | NEC Communication Systems, Ltd. |
| Bahr, Michael | | | Siemens AG |
| Batra, Anuj | | | Texas Instruments Incorporated |
| Baykas, Tuncer | | | National Institute of Information and Communications Technology (NICT) |
| Bhatti, Ghulam | | | Mitsubishi Electric Corporation |
| Bogenfeld, Eckard | | | Deutsche Telekom AG |
| Boytim, Mathew | | | Sensus |
| Britz, David | | | AT&T Labs |
| Brown, Monique | | | Silver Spring Networks Inc. |
| Brubk, Sverre | | | Texas Instruments Incorporated |
| Buffington, John | | | Itron Inc. |
| Bynam, Kiran | | | Samsung Electronics |
| Cain, Brent | | | Itron, Inc. |
| Callaway, Edgar | | | Sunrise Micro Devices, Inc. |
| Calvert, Chris | | | Landis+Gyr Worldwide |
| Canchi, Radhakrishna | | | Kyocera |
| Chang, Kapseok | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Chang, Kuor-Hsin | | | Elster Electricity, LLC |
| Chang, Soo-Young | | | California State University, Sacramento (CSUS) |
| Chaplin, Clint | | | Samsung |
| Chebbo, Hind | | | FUJITSU |
| Choi, In-Kyeong | | | Electronics and Telecommunications Research Instititute |
| Choi, Sangsung | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Crowley, Steven | | | NTT DoCoMo, Inc. |
| Dawkins, Mark | | | Toumaz Technology Ltd. |
| De Ruijter, Hendricus | | | Silicon Laboratories |
| Dotlic, Igor | | | National Institute of Information and Communications Technology (NICT) |
| Eggert, Dietmar | | | Atmel Corporation |
| Evans, David | | | Philips Electronics |
| Farserotu, John | | | CSEM, Inc. |
| Fifield, Kory | | | Sensus |
| Filin, Stanislav | | | National Institute of Information and Communications Technology (NICT) |
| Fischer, Michael | | | Fischer Consulting |
| Flammer, George | | | Silver Spring Networks Inc. |
| Fukatsu, Noriyasu | | | Mitsubishi Electric Automation Inc. |
| Fukui, Kiyoshi | | | Oki Electric Industry Co., Ltd. |
| Geiger, John | | | (GE) General Electric Company |
| Gilb, James | | | SiBEAM, Inc. |
| Gillooly, Gregory | | | Aclara |
| Gorday, Paul | | | Sunrise Micro Devices, Inc. |
| Gottlib, Elad | | | Silver Spring Networks Inc. |
| Green, Evan | | | Harmony Engineering |
| Hach, Rainer | | | Nanotron Technologies GmbH |
| Hagino, Brian | | | Taiyo Yuden USA |
| Hall, Robert | | | RF Technologies, Inc. |
| Harada, Shigekazu | | | NEC Corporation |
| Harrington, Timothy | | | WhereNet - Zebra ESG |
| Heile, Robert | | | ZigBee Alliance |
| Hernandez, Marco | | | National Institute of Information and Communications Technology (NICT) |
| Higashi, Ryoichi | | | Fuji Electric |
| Hillman, Garth | | | OakTree Wireless |
| Ho, Jin-Meng | | | Texas Instruments Incorporated |
| Hong, Wei | | |  |
| Hosur, Srinath | | | Texas Instruments Incorporated |
| Howard, David | | | On-Ramp Wireless, Inc. |
| Hsu, Ju-Lan | | | samsung |
| Hwang, Jung-Hwan | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Iso, Akio | | | National Institute of Information and Communications Technology (NICT) |
| Jakubiec, Dan | | | Sensus |
| Jennings, Adrian | | | Ubisense |
| Jeong, Sangkwon | | | SeeRoo Information Co., Ltd. |
| Jeong, Wuncheol | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Jetcheva, Jorjeta | | | Itron, Inc. |
| Jillings, Steven | | | Semtech Corporation |
| Joo, Seong-Soon | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Kato, Shuzo | | | National Institute of Information and Communications Technology (NICT) |
| Kent, Jeritt | | | Analog Devices Inc. |
| Kim, Dae Ho | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Kim, Jinkyeong | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Kim, Junghun | | | TTA |
| Kim, Youngsoo | | | Samsung |
| Kim, Yunjoo | | | Electronics and Telecommunications Research Instititute (ETRI) |
| King, Jeffrey | | | Elster Electricity, LLC |
| Kinney, Patrick | | | Kinney Consulting LLC |
| Kitazawa, Shoichi | | | ATR Wave Engineering Laboratories |
| Koh, Benjamin | | | Panasonic |
| Kohno, Ryuji | | | National Institute of Information and Communications Technology (NICT) |
| Kojima, Fumihide | | | National Institute of Information and Communications Technology (NICT) |
| Krasinski, Raymond | | | Philips Electronics |
| Kuerner, Thomas | | | TU Braunschweig |
| Le, Khanh Tuan | | | Texas Instruments Incorporated |
| Lee, Cheolhyo | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Lee, Hoosung | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Lee, Hyungsoo | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Lee, Myung | | | CUNY - City University of NY |
| Lee, Yuro | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Levesque, Allen H. | | | Worcester Polytechnic Institute |
| Lewis, Daniel | | | NICTA |
| Li, Huan-Bang | | | National Institute of Information and Communications Technology (NICT) |
| Li, Liang | | | Vinno Technologies Inc. |
| Lim, Sang-Kyu | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Link, Jeremy | | | 54 Oaks Inc. |
| Liru, Lu | | | National Institute of Information and Communications Technology (NICT) |
| Lynch, Michael | | | Nortel Networks |
| Mason, Robert | | | Elster Solutions |
| Mc Laughlin, Michael | | | Decawave Limited |
| McClellan III, Wallace | | |  |
| McCullough, Jeff | | | Elster Electricity, LLC |
| McGillan, Michael | | | California Eastern Laboratories |
| McInnis, Michael | | | The Boeing Company |
| Millet, Charles | | | Analog Devices Inc. |
| Miniutti, Dino | | | NICTA |
| Mirnezami, Siamak | | | SFM Systems |
| Monnerie, Emmanuel | | | Landis+Gyr Worldwide |
| Mori, Kenichi | | | Panasonic |
| Morozumi, Masanori | | |  |
| Moskowitz, Robert | | | ICSA Labs/Verizon Business |
| Moy, Hamilton | | | Silver Spring Networks Inc. |
| Murray, Peter | | | Self Employed |
| Myers, Theodore | | | On-Ramp Wireless, Inc. |
| Naganuma, Ken | | | Toko America Inc. |
| Obkircher, Thomas | | | Skyworks |
| Oh, Jong-Ee | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Omeni, Okundu | | | Toumaz Technology Ltd. |
| Park, Taejoon | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Patro, Ranjeet | | | Samsung Electronics |
| Petrick, Albert | | | Jones-Petrick and Associates, LLC. |
| Pokrajac, Dalibor | | | Guard RFID Solutions |
| Popa, Daniel | | | Itron, Inc. |
| Powell, Clinton | | | Southern California Edison Company |
| Powell, Richard | | | Zarlink Semiconductor, Inc. |
| Pyo, Chang Woo | | | National Institute of Information and Communications Technology (NICT) |
| Rahman, Mohammad | | | National Institute of Information and Communications Technology (NICT) |
| Rajagopal, Sridhar | | | Samsung |
| Ramasastry, Jayaram | | | Silver Spring Networks Inc. |
| Reed, Marc | | | Sensus |
| Reuss, Edward | | | Plantronics, Inc. |
| Riou, Emmanuel | | | ACCENT Sarl |
| Roberts, Richard | | | Intel Corporation |
| Roh, June Chul | | | Texas Instruments Incorporated |
| Rolfe, Benjamin | | | Blind Creek Associates |
| Russo, David | | | Microsoft Corporation |
| Ryu, Seung-Moon | | |  |
| Sakamoto, Kentaro | | | Tokyo Gas |
| Sakoda, Kazuyuki | | | Sony Coporation |
| Salazar Cardozo, Ruben | | | Landis + Gyr |
| San Filippo, Will | | | Silver Spring Networks Inc. |
| Sanderford, H | | |  |
| Sasaki, Shigenobu | | | Niigata University |
| Sato, Naotaka | | | Sony Corporation |
| Schmidl, Timothy | | | Texas Instruments Incorporated |
| Schmidt, Michael | | | Atmel Corporation |
| Schwoerer, Jean | | | France Telecom |
| Seibert, Cristina | | | Silver Spring Networks Inc. |
| Shearer, Steve | | | Silver Spring Networks Inc. |
| Shellhammer, Stephen | | | Qualcomm, Inc. |
| Shen, Jie | | | Wuxi Sensing Network Industrialization Research Institute |
| Shetty, Siddharth | | | IIT Bombay |
| Shimada, Shusaku | | | Yokogawa Co. |
| Shimizu, Masashi | | | Nippon Telegraph and Telephone Corporation (NTT) |
| Shin, Chang Sub | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Shin, Cheolho | | | Electronics and Telecommunications Research Instititute (ETRI) |
| Simon, Jonathan | | | Dust Networks, Inc. |
| Son, Jaeseung | | | Samsung |
| Song, Chunyi | | | National Institute of Information and Communications Technology (NICT) |
| Song, Ho-Jin | | | NTT Microsystem Integration Labs. |
| Stadnik, Paul | | | Micro Systems Engineering, Inc. |
| Struik, Rene | | | Self Employed |
| Sum, Chin-Sean | | | National Institute of Information and Communications Technology (NICT) |
| Sung, Hui-Hsia | | | National Institute of Information and Communications Technology (NICT) |
| Sungi, Gu | | | Samsung |
| Tabroff, Ronald | | | Mueller Systems |
| Tanaka, Hirokazu | | | TOSHIBA Corporation |
| Taylor, Larry | | | DTC & SSN |
| Thoen, Steven | | | NXP Semiconductors |
| Tomcik, James | | | Qualcomm Incorporated |
| Van Greunen, Jana | | | Silver Spring Networks Inc. |
| Van Wyk, Hartman | | | IWG802.15 |
| Virk, Bhupender | | | Procubed Inc. |
| Waheed, Khurram | | | Freescale Semiconductor, Inc. |
| Walewski, Joachim | | | Siemens Corporation |
| Wang, Junyi | | | National Institute of Information and Communications Technology (NICT) |
| Wang, Xiang | | | Shanghai institute of microsystem and information technology |
| West, Nicholas | | | Landis+Gyr Worldwide |
| Wilbur, Mark | | | Aclara |
| Winkel, Ludwig | | | Siemens Corporation |
| Won, Eun Tae | | | Samsung Electronics |
| Yang, Wen-Bin | | | NIST |
| Yang, Yang | | | Wuxi Sensing Network Industrialization Research Institute |
| Yasukawa, Kazuyuki | | | Fuji Electric |
| Yazdandoost, Kamya | | | National Institute of Information and Communications Technology (NICT) |
| Yokoo, Kaoru | | | FUJITSU |
| Yokoyama, Akihisa | | |  |