
Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Minutes of IEEE 802.16 Session #78	
Date Submitted	2012-03-20	
Source(s)	Harry Bims Bims Laboratories, Inc.	Voice: +1-650-283-4174 harrybims@me.com
Re:	IEEE 802.16 Session #78 (Waikoloa, HI, USA)	
Abstract	IEEE 802.16 Session #78 Minutes	
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #78. For approval at Session #79	
Copyright Policy	The contributor is familiar with the IEEE-SA Copyright Policy < http://standards.ieee.org/IPR/copyrightpolicy.html >.	
Patent Policy	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: < http://standards.ieee.org/guides/bylaws/sect6-7.html#6 > and < http://standards.ieee.org/guides/opman/sect6.html#6.3 >. Further information is located at < http://standards.ieee.org/board/pat/pat-material.html > and < http://standards.ieee.org/board/pat >.	
Status	<i>This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.</i>	

Minutes of IEEE 802.16 Session #78

*IEEE 802.16 Working Group
Waikoloa Village, Hawaii
March 12–15, 2012*

IEEE 802.16 Session #78 Opening Plenary Meeting

Monday March 12, 2012, 13:40 – 15:42 hours.

Opening

The Working Group (WG) meeting was called to order by Roger Marks at 13:40 hours local time. He welcomed the Working Group to Waikoloa for Session #78 of the IEEE 802.16 WG.

Roger presented an overview of the operation of the Session #78 webpage.

Dr. Roger Marks began by introducing himself as the Chair of the IEEE 802.16 Working Group (the “WG”) and stated his affiliation with Consensii LLC and WiMAX Forum. The WG Chair announced that Rakesh Taori is the Vice Chair and is absent. Dr. Harry Bims, affiliated with Bims Laboratories, introduced himself as WG Acting Secretary.

Roger presented the online methods available for accessing documents during this meeting session: Documents-remote, Documents-local, and Upload server.

Roger explained how to access documents using the online IEEE Mentor Documents system. Roger presented the WG Document, “Proposed Assignment of Session #78 Input Documents” <<http://inputs.wirelessman.org>>.

Roger presented the *Docii - Mentor Edition* application that is useful for downloading documents from the IEEE Mentor system.

Membership and Voting

The WG Chair described types of Membership in the WG as well as the rights and obligations of Membership in the WG (<http://iee802.org/16/membership.html>). At the beginning of the Session there were 87 Members (<<http://iee802.org/16/members.html>>) of the WG. Potential Members (<http://iee802.org/16/members_pot.html>), Members in Peril (<http://iee802.org/16/members_peril.html>) and Observers (<<http://iee802.org/16/observers.html>>) were also noted. Members of the WG were advised to verify that their registration badge correctly indicated their membership as a voting member of the IEEE 802.16 WG.

Attendance

The attendees were informed that acquiring and retaining Membership in the WG depends on logging attendance correctly in the IEEE Automated Meeting Attendance Tool (“IMAT”). The WG Chair demonstrated the method of registering in the IMAT system. The attendance software’s “Affiliation” field is the appropriate Affiliation per IEEE-SA affiliation disclosure requirements (reference <<http://standards.ieee.org/faqs/affiliationFAQ.html>>) and will be reported as such. The WG Chair explained

that entering “IEEE” as an affiliation is invalid and no participation credit will be given in that case. Attendees were advised that they must record at least 75% of the possible credit hours in the IMAT attendance system in order to ensure “Participation” status for the session. Attendees were further advised that for this session, there are 30 hours worth of meetings, so 23 hours of attendance are required to reach 75%.

Approvals

The WG Chair reviewed the opening plenary agenda, which was available at iee802.org/16/meetings/mtg78/agenda.html , and asked for comments or concerns. None were received.

Motion (13:55 h): “*Motion: To approve the Opening Plenary Meeting Agenda as presented.*”

Moved by Dan Gal, seconded by Tim Godfrey.

Motion approved by unanimous consent.

The WG Chair explained the process for Chair and Vice-Chair Officer elections.

The WG Chair asked if there were any comments on the minutes of the previous session. None were received.

Motion (13:57 h): “*To approve the Minutes of Session #77 (IEEE 802.16-12-0142-00).*”

Moved by Nader Zein, seconded by Tim Godfrey.

Motion approved by unanimous consent.

Working Group

Administrative Reports

Roger presented the Patent Policy Reminder slides. The WG Chair instructed the secretary to record in the minutes that slides 0-4 were shown, and that an opportunity was given to the attendants to respond, and that no response was provided.

The WG Chair reminded the group that Letters of Assurance (LoA) are available at the IEEE-SA web site. A database of LoAs related to IEEE 802.16 is available at http://standards.ieee.org/db/patents/pat802_16.html. The WG Chair instructed the Task Group chairs to repeat the patent policy rules in their groups per the details provided. Copyright information is available at <http://iee802.org/16/ipr/copyrights>.

The WG Chair explained the IEEE 802 Rules documents, including Policies and Procedures, the Operations Manual and also the Working Group P&P <http://iee802.org/devdocs.shtml>. He explained the role and responsibilities of the WG Chair and explained the issue of WG Domination.

The WG Chair displayed and presented the Chair’s Opening Plenary Presentation Slides *IEEE 802.16-12-0216-01-Gdocs*. The IEEE 802 Executive Committee Report was presented, including the candidates for officer positions of IEEE 80 Chair, First Vice Chair, Second Vice Chair, Treasurer, and Recording Secretary. A new balance rule is in effect within IEEE-SA that limits interest classification groups to 1/3 of the ballot group.

Harry Bims volunteered to be the IEEE 802.16 liaison to the IEEE 802 Architecture group. They are currently working on a recirculation ballot of IEEE 802.

802 Architecture meeting times – Water’s Edge Boardroom

Monday 7pm

Tuesday 4pm

Thursday 8am

The WG Chair disclosed that Tim Godfrey has agreed to participate in an IEEE 802 EC Ad Hoc meeting on Smart Grid/Smart Utility Networks. Formation of a Technical Advisory Group on Smart Grid technology will be discussed.

802 Issues

There are no tutorials this week.

Roger discussed the IEEE 802 PARs Under Consideration by the LMSC Executive Committee. The WG Chair asked for any discussion on the draft PARs. There was none.

Working Group Issues

Roger presented to the group the WG Document, “Chair’s Report to the IEEE 802” (IEEE 802.16-12-0215-00-Gdoc). The WG Chair provided a summary overview of the status of the Active Projects of the Working Group Task Groups. Roger Marks volunteered to be the active chair of the Project Planning Committee.

Roger Marks acknowledged the loss of Jim Carlo, and expressed a desire for the working group to agree on proper condolences to the family at the Closing Plenary.

The WG Chair displayed the Mentor System Session #78 input document assignments for each of the task groups <<http://inputs.wirelessman.org>>. The 802.18 Chair expressed an interest in having 802 draft a document on smart grid technology for the ITU-R by the May session. In support of that effort, the GRIDMAN Task Groups is assigned to review document IEEE 802.16-12-0230-01-Gdoc.

The WG Chair displayed and presented his proposed revision of the Session #78 Meeting Schedule for the week.

Maintenance TG Report:

TG Chair Zheng Yan-Xiu presented the WG Document, “Session #78 802.16 Maintenance Task Group Opening Report” (IEEE 802.16-12-0227-00-Gdoc). The Sponsor Ballot results for P802.16Rev3/D3 and P802.16.1/D3 satisfy the conditions for approval. In addition, there were additional liaison comments from the WiMAX Forum. He also presented the Maintenance TG Agenda for the week. This includes drafting a reply to the WiMAX Forum.

M2M TG Report:

M2M TG Chair Jaesun Cha presented the WG Document, “Session #78 802.16 M2M Task Group Opening Report” (IEEE 802.16-12-0212-00-Gdoc). He presented the status of sponsor ballots on P802.16p/D3 and P802.16.1b/D2. Both satisfy the conditions for approval. Jaesun presented the M2M TG plans for the week.

GRIDMAN TG Report:

GRIDMAN TG Chair Tim Godfrey presented the WG Document, “GRIDMAN Opening Report for Session #78” (IEEE 802.16-12-0219-00-Gdoc). Tim discussed the GRIDMAN comment resolution status, and output document goals for the week. He also presented the GRIDMAN TG agenda for the week.

Project Planning Committee (PPC) Report:

PPC Acting Chair Roger Marks presented the WG Document, “Project Planning Committee Opening Report - Session #78” (IEEE 802.16-12-0223-00-Gdoc). He discussed the status of issues from Session #77 and mentioned the input documents to Session #78, noting that issues will include future options for the working group, such as possible hibernation.

ITU-R Liaison:

ITU-R Liaison Acting Chair Satoshi Imata presented the ITU-R Liaison Group opening report (IEEE 802.16-12-0226-01-Gdoc). He presented proposed objectives for Session #78, and the TG schedule for the week. A comment was raised that the ITU-R document outputs should be coordinated with the IEEE 802.18 group. The schedule should consider and allow for meeting with the IEEE 802.18 group this week to discuss output documents.

JTC1 SC6:

Roger Marks presented the WG Document IEEE 802.16-12-0146-00-Gcon. JTC1 is a joint technical committee between ISO and IEC. Last year, Lei Wang was identified to represent us at a meeting of JTC1/SC6, as they were considering creating their own security standards that could result in potentially writing, in effect, an amendment to IEEE 802.16 regarding security. The cited document addresses this topic as a submission to the February followup meeting of JTC1/SC6. There were no comments on the contribution.

Meeting Logistics and Reporting

When you are finished with your meeting, hit the off button on the projector. Do not unplug it.

If you finish early, send an email to IEEE@verilan.com.

Asked group to please register for early bird registration of a room for Session #78, and take advantage of the early bird meeting rate.

Officer Elections

Roger explained that the term for Working Group Chairs and Vice Chairs ends at the close of the first plenary session of each even numbered year. Also, the Working Group Chair and Vice Chair elections are subject to IEEE 802 Executive Committee confirmation. The IEEE 802.16 Working Group Officer Election Process <http://iee802.org/16/docs/#10_0012> requires that those who declare their candidacy at least eight days before the scheduled election shall be included on the paper ballot. The paper ballot (IEEE 802.16-12-0217-00-Gdoc) lists all such declared candidates.

Roger Marks turned the meeting chair over to Harry Bims. Per the process, Harry asked Roger Roger, as the only candidate for chair, to provide a statement. Roger gave his candidate statement for WG Chair.

There were no declared candidates for Vice Chair.

Paper ballots were collected and counted by Harry Bims.

The vote totals for WG Chair were as follows: Roger Marks, 29 votes.

There were three write-in vote for WG Vice Chair, as follows: Rakesh Taori, 1 vote; Zheng Yan-Xiu 1 vote, and Eldad Zeira, 1 vote.

Future Sessions

Roger discussed the location and time of future IEEE 802.16 sessions.

AOB

There was none.

Motion (15:42 h): Nader Zein made a motion to adjourn. Seconded by Lei Wang.

The motion was approved by unanimous consent.

The meeting adjourned at 15:42 hours.

IEEE 802.16 Session #78 Closing Plenary Meeting

Thursday, March 15, 2012, 16:04 – 17:53

Opening

The WG Chair of the 802.16 WG called the meeting to order at 16:04 local time.

Roger Marks explained that he had posted a the draft closing plenary agenda at <http://ieee802.org/16/meetings/mtg78/agenda.html>.

Roger began by introducing himself as the Chair of the IEEE 802.16 Working Group (the “WG”) and stated his affiliation with Consensii LLC and WiMAX Forum. Harry Bims, affiliated with Bims Laboratories, introduced himself as WG Acting Secretary.

Roger presented the online methods available for accessing documents during this meeting session: Documents-remote, Documents-local, and Upload server.

Membership and Voting

The WG Chair informed the WG that the membership totals would be changing significantly after this meeting. The new membership has not yet been calculated for Session #78. The WG Chair further explained that voting requires the use of a Member Badge as a Voting Token.

Roger asked the attendants if they had any questions concerning the agenda.

Motion (16:10): *“To approve the Closing Plenary agenda as presented.”*

Motion passed with no objections by unanimous consent.

The WG Chair reminded the attendees of the patent policy and asked if anyone needed a review of the details. No request was made, and the meeting proceeded.

IEEE 802 Issues**Architecture:**

The 802 Architecture liaison, Harry Bims, updated the Working Group regarding changes to the current draft document regarding the OUI.

Smart Grid:

The Smart Grid liaison, Tim Godfrey, updated the Working Group that the 802 Executive Committee had designated a Smart Grid Ad Hoc to address coordination of the Smart Grid activity for 802 generally. At Smart Grid Ad Hoc had discussed the topic and the possibility of requesting a TAG when the group meets again at the May 802 Wireless Interim. There was further discussion about the appropriate group for future activities.

White Space position from 802.18:

Roger updated the Working Group that a request by the 802 Chair was made regarding a possible 802 EC position on White Space spectrum. In the 802.18 TAG, there was discussion about approving a position (originating from 802.22) on White Space. Roger presented the proposed position statement to the Working Group. The statement endorses world-wide license-exempt use of television band whitespaces.

Marks noted that he had abstained during 802.18 deliberations because he needed to study the document further. Marks sought member views regarding 802.16's regarding the position statement. No opinion were offered.

Subgroup Reports**Maintenance TG Report:**

Maintenance TG Chair Zheng Yan-Xiu presented the WG Document, "Session #78 802.16 Maintenance Task Group Closing Plenary Report". (IEEE 802.16-12-0267-00-Gdoc).

Yan-Xiu discussed the activities of the week, summarized the comment resolutions, and presented the proposed actions of the Maintenance TG until Session #78.

There was a discussion between the Maintenance TG Chair and the WG Chair regarding the rejected comments to ensure that the resolutions are thoroughly documented.

Motion (16:38 h): *"To generate WG Draft P802.16Rev3/D5 based on P802.16Rev3/D4 and the comment resolution in 'IEEE 802.16-12-0203-01-Gdoc' and to initiate a Sponsor Ballot recirculation on that draft."*

Moved by Zheng Yan-Xiu; seconded by Nader Zein.

Discussion: There was none.

The voting results showed 20 in favor, 0 against, 0 abstain. The motion passed.

Motion (16:39 h): *"To request that the WG Chair request Conditional Approval to forward P802.16Rev3 for RevCom."*

Moved by Zheng Yan-Xiu; seconded by Nader Zein.

Discussion: There was none.

The voting results showed 19 in favor, 0 against, 0 abstain. The motion passed.

Motion (16:40 h): *"To generate WG Draft P802.16.1/D5 based on P802.16.1/D4 and the comments resolution in 'IEEE 802.16-12-0204-01-Gdoc' and to initiate a Sponsor Ballot recirculation on that draft."*

Moved by Zheng Yan-Xiu; seconded by Tim Godfrey.

Discussion: There was none.

The voting results showed 20 in favor, 0 against, 0 abstain. The motion passed.

Motion (16:41 h): *“To request that the WG Chair request Conditional Approval to forward P802.16.1 for RevCom.”*

Moved by Zheng Yan-Xiu; seconded by Jaesun Cha.

Discussion: There was none.

The voting results showed 20 in favor, 0 against, 0 abstain. The motion passed.

Motion (16:43 h): *“To forward IEEE 802.16-12-0265-00-WGLS to the WiMAX Forum in response to IEEE 802.16-12-0218-WGLS and authorize the WG Chair to make any necessary editorial modifications.”*

Moved by Zheng Yan-Xiu; seconded by Nader Zein.

Discussion: There was none.

The voting results showed 21 in favor, 0 against, 0 abstain. The motion passed.

Roger Marks presented an online meeting time site for the purpose of coordinating an appropriate teleconference time to discuss any comments that are submitted on the upcoming ballots. There was a discussion among the WG to select a time for a two-hour teleconference. 5:00:00 UTC on Wednesday April 18th, 2012 was selected as the start time for the meeting. [Details will be added at <http://calendar.wirelessman.org>.]

M2M TG Report:

M2M TG Chair Jaesun Cha presented the WG Document, “M2M Task Group Closing Report (Session #78)” (IEEE 802.16-12-0228-00-Gdoc).

Jaesun discussed the activities of the week, and comment resolution results.

Motion (17:08 h): *“To initiate a SB recirculation on P802.16p/D4, based on P802.16p/D3 as modified by the comment resolutions contained in IEEE 802.16-12-0206-02-Gdoc, to start no later than April 20, 2012.”*

Moved by Jaesun Cha; seconded by Zheng Yan-Xiu.

Discussion: There was none.

The voting results showed 22 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:11 h): *“To request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE P802.16p Draft to RevCom.”*

Moved by Jaesun Cha; seconded by Hyungeong Kang.

Discussion: There was none.

The voting results showed 21 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:12 h): *“To initiate a SB recirculation on P802.16.1b/D3, based on P802.16.1b/D2 as modified by the comment resolutions contained in IEEE 802.16-12-0224-03-Gdoc, to start no later than April 20, 2012.”*

Moved by Jaesun Cha; seconded by Anshuman Nigam.

Discussion: There was none.

The voting results showed 21 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:13 h): *“To request Conditional Approval from the IEEE 802 Executive Committee to forward the*

IEEE P802.16.1b Draft to RevCom.”

Moved by Jaesun Cha; seconded by Tim Godfrey.

Discussion: There was none.

The voting results showed 20 in favor, 0 opposed, 0 abstain. The motion passed.

GRIDMAN TG Report:

GRIDMAN TG Chair Tim Godfrey presented the WG Document, “GRIDMAN Task Group Closing Report – Session #78” (IEEE 802.16-12-0220-00-Gdoc).

Tim discussed the goals for Session #78, the accomplishments for the week, the Session #78 Output Documents and the proposed schedule of activities to be completed before Session #79.

Motion (17:23 h): *“To authorize the editor to generate Draft P802.16n/D2 based on Draft P802.16n/D1 and the comment resolutions in ‘IEEE 802.16-12-0201-03-Gdoc’ and to conduct 30 day Letter Ballot Recirculation #37a on the entirety of Draft P802.16n/D2.”*

Moved by Tim Godfrey; seconded by Dan Gal.

Discussion: There was none.

The voting results showed 20 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:24 h): *“To authorize the editor to generate Draft P802.16.1a/D2 based on P802.16.1a/D1 and the comment resolutions in ‘IEEE 802.16-12-0202-03-Gdoc’ and to conduct 30 day Letter Ballot Recirculation #38a on the entirety of Draft P802.16.1a/D2.”*

Moved by Tim Godfrey; seconded by Eunkyung Kim.

Discussion: There was none.

The voting results showed 20 in favor, 0 opposed, 0 abstain. The motion passed.

ITU-R Liaison Group Report:

ITU-R Liaison Group Acting Chair Satoshi Imata presented WG Document, “ITU-R Liaison Group Report - Session #78 Closing Plenary” (IEEE 802.16-12-0261-00-Gdoc). Satoshi presented the outcomes of Session #78.

Motion (17:30 h): *“To approve the following documents subject to editorial corrections.*

- 1) 16-12-0248-01-Gdoc – [Draft Contributions to WP 5D] IMT-2000 OFDMA TDD WMAN submission toward revision 11 of Recommendation ITU-R M.1457 (Meeting X+2)
- 2) 16-12-0264-00-Gdoc – [Draft Contribution to WP 5D] Update of WirelessMAN-Advanced Radio Interface of Recommendation ITU-R M.2012 (Meeting Y)
- 3) 16-12-0251-02-Gdoc – [Draft Contribution to WP 5A] proposed draft liaison statement to ITU-R WP 5A on ‘working document toward a preliminary draft new Report ITU-R [LMS.CRS2]’”

Moved by Satoshi Imata; seconded by Nader Zein.

Discussion: There was none.

The voting results showed 17 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:32 h): *“To approve the following documents and authorize the WG Chair to forward them to its recipients subject to any editorial corrections.*

- 1) *16-12-0254-00-Gdoc – [Draft LS to WATO members] WirelessMAN-Advanced in Revision 1 of Rec. ITU-R M.2012*
- 2) *16-12-0255-00-Gdoc – [Draft LS to WiMAX Forum] IMT-2000 OFDMA TDD WMAN Submission toward Revision 11 of Recommendation ITU-R M.1457”*

Moved by Satoshi Imata; seconded by Dan Gal.

Discussion: There was none.

The voting results showed 18 in favor, 0 opposed, 0 abstain. The motion passed.

Roger discussed an email that he forwarded regarding problems with hotel reservations for Session #79.

Project Planning Committee (PPC) Report:

PPC Acting Chair Roger Marks presented the document “Project Planning Committee Closing Report and Minutes- Session #78” (IEEE 802.16-12-0270-00-Gdoc).

Roger explained that the agenda was discussed and approved, the proposed balloting schedules were discussed, and a proposal to initiate two Study Groups in the working group was discussed. The PPC supported the initiation of the two proposed Study Groups.

The PPC Chair also discussed a summary of the balloting schedules <<http://schedules.wirelessman.org>> and the need to revisit the scheduling situation at sessions.

Motion (17:39 h): *“To initiate the IEEE 802.16 WG Study Group on Broadband Wireless Access Metrology.”*

Moved by Harry Bims; seconded by Dan Gal.

Discussion: There was none.

The voting results showed 17 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (17:41 h): *“To initiate the IEEE 802.16 WG Study Group on the WirelessMAN radio interface in Heterogeneous Networks.”*

Moved by Nader Zein; seconded by Zheng Yan-Xiu.

Discussion: There was none.

The voting results showed 18 in favor, 0 opposed, 0 abstain. The motion passed.

Future Sessions

The WG Chair discussed with the WG the time slot requirements for each subgroup at Session #79. It was agreed that the session would open Monday at 1:30 PM and close Thursday by 6 PM. The ITU-R Liaison Group will not meet at Session #78. The intent is to minimize parallel meetings. If possible, the two Study Groups (four slots each), the M2M Task Group (three slots), and the Maintenance Task Group (two slots), and the PPC (one slot) will share one room. The Maintenance Task Group and PPC may require less time than this. Evening meetings are possible on Monday and Tuesday if necessary. It is not possible to avoid overlap with the GRIDMAN Task Group, which will meet in a separate room for as many slots as necessary.

The WG Chair proposed to co-locate future IEEE 802.16 Working Group meetings with future IEEE 802 Wireless Interim sessions unless a specific sponsorship proposal is received and agreed at least three sessions in

advance. There was no comment regarding the WG Chair's proposal. The WG Chair stated that this will be the policy going forward.

New Business

The *Docii-Mentor Edition* tool was discussed.

Adjournment

Motion (17:53 h): "*To adjourn*"

Moved by Dan Gal; seconded by Nader Zein.

Motion passed by unanimous consent.

The IEEE 802.16 Working Group on Broadband Wireless Access Standards

IEEE 802.16 Members

Updated: 2012-04-05 accounting for [Session #78](#).

Number of members: 71

Next scheduled update: following [Session #80](#), or early depending on results of WG Letter Ballots #37 and #38.

See also:

- [Rights of Membership](#)
- [Acquiring and Retaining IEEE 802.16 Membership](#)
- [Potential Members](#)
- [those recently losing membership](#)
- [Members in Peril](#)
- [Observers](#)
- [Update your contact information](#)
- [Member](#) and [Observer](#) contact databases (password required)

Name\Family	Name \Given	Affiliation	City	State/Province	Country/Admin
Agiwal	Anil	Samsung Electronics	Bangalore		India
Al-Kanani	Hassan	NEC Corporation	London		UK
Barber	Phillip	Huawei Technologies Co. Ltd	Plano	TX	USA
Bims	Harry	Bims Laboratories, Inc.	Menlo Park	CA	USA
Cha	Jaesun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea

Chang	Sungcheol	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Chen	Chiu-Wen	Institute for Information Industry	Taipei		Taiwan
Cho	Hee Jeong	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Choi	Jinsoo	LG ELECTRONICS	Anyang-Shi		Korea
Colban	Erik	Huawei Technologies Co. Ltd	San Diego	CA	USA
Fang	Yu-Chuan	ITRI International Inc.	Chutung, Hsinchu	Taiwan	Taiwan
Gal	Dan	ALCATEL-LUCENT	Morris Plains	NJ	USA
Godfrey	Tim	Electric Power Research Institute, Inc. (EPRI)	Overland Park		USA
Hoang	Anh Tuan	Institute for Infocomm Research	Singapore		Singapore
Hoang	Vinh-Dien	National Institute of Information and Communications Technology (NICT)	Singapore		Singapore
Hsiao	Ying-Chuan	Industrial Technology Research Institute (ITRI)	Chutung, Hsinchu	Taiwan	Taiwan
Hsu	Chun-Yen	Institute for Information Industry	Taipei	NIL	Taiwan
Huang	Rui	Intel Corporation	Beijing		China
Imata	Satoshi	KDDI R&D Laboratories	Tokyo		Japan
Jan	Yih Guang	Tamkang University (TKU)	Taipei		Taiwan
Josiam	Kaushik	SAMSUNG	Richardson	Texas	USA
Jung	Inuk	LG ELECTRONICS	Anyang	Gyeongkido	Korea

Jung	Soojung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Kang	Bohyun	Samsung Electronics co.	Suwon	Gyeonggi-do	Korea
Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kanzaki	Hajime	Hitachi, Ltd.	Kokubunji-shi	Tokyo	Japan
Kim	Eunkyung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kim	Jeongki	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
Kim	Namgi	Kyonggi University	Suwon	Kyounggi	Korea
Kim	Seokki	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kim	Won Ik	Electronics and Telecommunications Research Institute (ETRI)			Korea
Kwak	Jin Sam	LG ELECTRONICS	Anyang-shi	Gyeonggi-do	Korea
Lee	Anseok	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Lee	Eunjong	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Lee	Hyun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Lee	Jin	LG ELECTRONICS	Anyang	Kyungki	Korea
Li	Honggang	Intel Corporation	Beijing		China
Lin	Yi-Ting	Institute for Information Industry	Taipei		Taiwan

Liru	Lu	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore	Singapore
Maeder	Andreas	NEC Laboratories Europe	Heidelberg	DE	Germany
Marks	Roger	Consensii LCC and WiMAX Forum	Denver	CO	USA
Mohanty	Shantidev	Intel Corporation	Santa Clara		USA
Murias	Ron	InterDigital, LLC	Calgary	AB	Canada
Nigam	Anshuman	Samsung Electronics	Bangalore		India
Oodo	Masayuki	National Institute of Information and Communications Technology (NICT)	Yokosuka	Kanagawa	Japan
Park	Giwon	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
Park	Jisoo	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	-	Korea
Pathmasuntharam	Jaya Shankar	Institute for Infocomm Research	SINGAPORE		Singapore
Ryu	Kiseon	LG Electronics			Korea
Sambasivan	Sam	AT&T Inc	Austin	TX	USA
Sherman	Matthew	BAE Systems	Wayne	NJ	USA
Sheynkman	Peter	RuggedCom, Inc.			
Shin	Seokjoo	Chosun University			
Shono	Takashi	Intel Corporation	Tokyo	Tokyo	Japan
Son	Yeongmoon	SAMSUNG	Suwon-city	Kyeonggi-do	Korea
Tao	Ming-Hung	Industrial Technology Research Institute (ITRI)	Hsinchu		Taiwan
Taori	Rakesh	SAMSUNG	Suwon	Gyeonggi-do	Korea
Teo	Joseph	Institute for Infocomm Research	Singapore	Singapore	Singapore

Triglia	Alessandro	OSS Nokalva, Inc.			Italy
Tsai	Tsung-Yu	Insitute for Information Industry (III)	Taipei City		Taiwan
Wang	Arthur	LinQuest Corporation	Buena Park	CA	USA
Wang	Haiguang	Institute for Infocomm Research	Singapore		Singapore
Wang	Lei	InterDigital Communications, LLC	San Diego	CA	USA
Yeow	Wai Leong	Institute for Infocomm Research	Singapore		Singapore
Zein	Nader	NEC Corporation	London		UK
Zeira	Eldad	InterDigital, Inc.	Melville	NY	USA
Zhang	Xin	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore	Singapore
Zheng	Shoukang	I2R	Singapore		Singapore
Zheng	Yan-Xiu	Industrial Technology Research Institute (ITRI)	Hsinchu		Taiwan
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