Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Minutes of IEEE 802.16 Session #53**
Date Submitted	**2008-01-20**
Source(s)	Peiying Zhu Voice: +1 613 7658089 Nortel mailto:pyzhu@nortel.com
Abstract	IEEE 802.16 Session #52 Minutes (Atlanta, USA)
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #52. For approval at Session #53.
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.
Patent Policy and Procedures	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>.

Minutes of IEEE 802.16 Session #52
IEEE 802.16 Working Group
Atlanta, GA, USA
12 – 15 Nov 2007

IEEE 802.16 Session #51 Opening Plenary Meeting
Nov 12 2007

Call to Order

The meeting was called to order by Working Group (WG) Chair Roger Marks at 1:16 pm. He welcomed the attendees to Session #52 of the IEEE 802.16 WG. Roger provided the URL for the opening plenary agenda <http://ieee802.org/16/meetings/mtg52/opening.html>. Roger introduced himself, Working Group (WG) Vice Chair Jose Puthenkulam, and Secretary Peiying Zhu.

Roger outlined the networking, the logistical, and the registration issues.

Security: Keep your personal belongings secure at all times. All attendees must have their name badges clearly visible while on the meeting floors, for all refreshment breaks, and for the social. Guests for the social do not require a name badge but must be accompanied by a badged attendee.

CD-ROM: IEEE 802 CD-ROM (New Nov 2007 edition) should be available at registration to all registered attendees. Roger displayed the contents of the CD-ROM and noticed one mistake where one 802.16 conformance standard was mistakenly put into the obsolete section.

Membership and Voting

The lists of WG Members, Potential Members, Members in Peril, and Observers were explained by the Chair. Roger explained the reasons that someone in the Potential Member list might not receive a voting token.   The mostly common source is the mismatch of information provided during registration, mainly Member ID, with the data in the database. Roger asked people to talk to him after the meeting if there are any other issues related to membership.

The electronic attendance sign-in log procedure was explained by Roger. Roger emphasized that the affiliation field in the sign-in log must be filled based on the IEEE-SA affiliation disclosure requirements, as detailed on the Opening Plenary Agenda. The session is planned to include nine attendance intervals [Mon pm; Mon evening (Relay TG); Tue am; Tue pm; Wed am; Wed pm; Thu am; Thu pm; Thu evening]. The "Participation" Requirement, nominally 75%, will be satisfied with six intervals. Roger emphasised the importance of using the correct names and Member ID upon signing, in order to receive the correct attendance credits. The correct membership ID is required for the electronic log; the membership ID is displayed on the badge. Attendance credit will be granted to 802.16 members for participation in IEEE 802.18, 802.19, and 802.21. You are responsible to record this in the IEEE 802.16 attendance log and forward proof of participation to WG Chair by end of week (Friday).

Roger explained that the affiliation needs to be declared at every session.

Roger then reviewed the agenda and asked for comments or concerns on the agenda. No comments were received.

Motion (at 1:40pm): To approve the Opening Plenary Meeting Agenda as presented <http://ieee802.org/16/meetings/mtg52/opening.html>, proposed by Mariana Goldhamer , seconded by Jonathan Labs, approved with unanimous voice vote.

Approvals

Roger reviewed the draft minutes of Session #51 (IEEE 802.16-07/048). Roger asked for comments.

Motion (at 1:45 pm): *To approve the Minutes of Session #51 (IEEE 802.16-07/048) and decisions therein,* proposed by Carl Eklund, seconded by Raza Arefi, approved by unanimous voice vote.

Chair's Report

Administrative, Procedural, and Announcements (IEEE 802.16-07/055)

Roger reviewed the IEEE-SA affiliation disclosure requirements <http://standards.ieee.org/faqs/affiliationFAQ.html> and again reminded the WG attendees to fill in the affiliation field. Roger reviewed the "Ethics policy" <http://ieee.org/web/membership/ethics/code_ethics.htm>.

Roger displayed the link to the 802.16-related letters of assurance (http://standards.ieee.org/db/patents/pat802_16.html)

The following advice was provided by the WG Chair concerning IEEE Standards Association (IEEE-SA) rules regarding patents:

- The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
- Early identification of patent claims which may be essential for the use of standards under development is encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

Slide #1-#4 ("IEEE-SA Standards Board Bylaws on Patents in Standard") and Slide #5 (Other Guidelines for IEEE WG meetings) and slide #0 were shown. The slides are available at http://standards.ieee.org/board/pat/pat-slideset.ppt.

An opportunity was provided for participants 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 the use of that standard. Roger emphasized that the Bylaws take precedence over the patent slides and encouraged people to read the Bylaws if they have questions.

Ayman Naguib of Qualcomm asked to insert the same statement he made at Session #49, #50 and #51. The statement from Session #49, #50 and #51 was: "Qualcomm may have some IP, that would impact the practice of the standard and we would comply with the IEEE patent policy in a timely fashion, if required to do so."

There were no other responses on the patent topic.

Roger reminded TG chairs regarding reiteration of the Call for Patents.

IEEE 802 P&P issues

Roger highlighted parts of the IEEE 802 Policies and Procedures (P&P) as shown in the opening slides in document IEEE 802.16-07/055, in particular, issues related to WG operation, Chair's function, WG Rules such as working group domination, copyrights and contribution procedures. Roger then discussed IEEE 802 project progression and IEEE 802 EC issues.

Roger emphasized the need to follow the contribution template. Submissions that violate the procedures will not be accepted!

Working Group Status update (see IEEE 802.16 Report for LMSC Plenary of 12 November 2007, IEEE 802.16-07/055)

IEEE-SA SB Actions

- P802.16g/D9 was approved as IEEE Std 802.16 on 27 September 2007 but is not yet published; editorial review is planned to be completed this week by NetMan TG
- P802.16-2004/Cor2 PAR was withdrawn by IEEE-SA Standards Board on 27 September 2007 per WG request
- IEEE Std 802.16k published on 14 August, 2007

Roger presented plaques and WirelessMAN shirts to Phil Barber and David Johnston for their significant contributions (as TG Chair and Editor) for developing IEEE 802.16k standard, Phil expressed his thanks for participating members and specific thanks to David Johnston.

ITU News

IEEE's proposal to include IEEE 802.16 in IMT-2000 was approved by ITU-R RadioCommunications Assembly on 19 October 2007.

The Chair recognized ITU Liaison office José Costa for his tremendous contribution to get IEEE 802.16 adopted by ITU. A round of applause was offered in recognition.

ITU-R Liaison Group

Roger provided an update related to the ITU-R Liaison Group
- Reza Arefi, Acting Chair (Chair José Costa is in Geneva at WRC)
- WG developed three contributions to 802.18 regarding IMT-Advanced at September interim
- Further contributions to 802.18 in October.

- Planning additional participation and comments to 802.18 regarding IMT-Advanced requirements and evaluation criteria this week.

Roger expressed his appreciation to WiMAX Forum, which provided many of essential contributions to ITU-R as part of the joint effort with regarding to the IMT-2000 undertaking.

Review of Session #51 Report

Roger encouraged the attendees to review the report to get familiar with EG activities.

No questions and comments.

IEEE 802 PARs Under Consideration

Roger displayed the 4 PARs under consideration and asked if anyone had comments. No comments were received.

IEEE 802 Tutorials

Roger provided information on two IEEE 802 tutorials.

Roger reviewed the schedule for the week.

Schedule for the Week

The schedule for the week was presented for the various task groups and ad hoc groups <http://dot16.org/calendar/week.php?date=20071112>.

NetMan Task Group

The NetMan TG draft agenda for the week was presented by the TG Chair Phil Barber (document IEEE 802.16netman-07/018).

Roger asked if there is a plan to incorporate the IEEE 802.16i into the Rev2 Revision project. Phil responded yes and that it may be time to ask the EC to have an agenda item to withdraw the P802.16i PAR.

Motion (2:56pm) "To authorize the WG chair to inform the 802 EC that the WG intends to withdraw the 802.16i PAR", moved by Phil Barber, Seconded by Remi Chayer, passed 69/0/1.

License-Exempt Task Group

The LE TG Chair, Mariana Goldhamer, reported the Letter Ballot #29 status (87% approval ratio with return ratio > 50%), and activities between meetings. Mariana then presented the plan for the week (see IEEE 802.16h-07/025).

Relay Task Group

The Relay Task Group draft agenda for the week was presented by the TG Chair Mitsuo Nohara (IEEE 802.16j-07/028), who reported on ad hoc activities between meetings and expected motions for the WG Closing Plenary.

Maintenance Task Group

The Maintenance TG Chair, Jonathan Labs, presented the opening report (IEEE 802.16maint-07/035r1). Jon reviewed the progress on revision project (P802.16Rev2/D1 is the latest document, the first WG draft). Jon reported the LB #26 status (77% return ratio, approval ratio 72%, ballot did not pass) and displayed the list of names of disapproval voters who did not submit comments and the list of contributions with wrong formats. Jon commented that those contributions will not be accepted unless the formats are corrected. Jon then reviewed the proposed agenda for the week, and expected motions in the WG Closing Plenary.

Carl Eklund commented that editorial comments should not be used as disapprove comments (i.e, as the justification for the disapproval). Roger commented that this is an allowed procedure based on IEEE-SA process. Carl also commented that the late comments should not be considered as disapprove comments.

Wonil Roh asked Jon to clarify the intention of the Web Forum discussion related to the revision project and whether it is considered as an official ad-hoc activity. Jon explained the intention and his view that the Web Forum discussion is not an official ad hoc but that the outcome of the discussion may be used as a basis of comment resolution.

TGm

The TGm Chair, Brian Kiernan presented the opening report (document C802.16m-07/043). Brian mentioned that contributions with wrong formats will not be considered. Late comments will be considered if time permits. Brian reviewed the plan for the week.

A question was raised on the intent of the SDD, namely whether the contents of SDD will be the basis of the P802.16m draft. Brian replied that SDD is a high level design on which the 802.16m draft will be drafted.

Liaison

ITU-R Liaison Issues

Reza Arefi, Acting Chair, provided an update on the ITU Radioassembly (IEEE L802.16-07/066). Reza then presented the plan for the week.

Motion (4:12pm): "*To authorize the ITU-R Liaison Group to submit contributions to the 802.18 TAG activities this week regarding IMT-Advanced technical requirements and evaluation methodology, with the final document to be reviewed at the WG Closing Plenary*", proposed by Reza Arefi, seconded by Brian Kieran, passed by 95/0/0.

Jose Puthenkulam asked if the WG chair will represent the 802.16 WG in the 802.18 TAG or will send a representative. Roger confirmed that he expects to attend the relevant 802.18 meetings but, if not, he will send representatives. The 802 18 TAG chair Mike Lynch confirmed that it is OK to send representatives.

Motion (4:12pm): "*To authorize the ITU-R Liaison Group to draft a document based on input contribution IEEE C802.16-07/026, tentatively approve it on behalf of the WG (subject to confirmation at the 802.16 Closing Plenary), and submit it for 802.18 review"*, proposed by Reza Arefi*,* seconded by Sassan Ahmadi, passed by unanimous voice vote.

Charge to Task Groups: Actions and Reporting

The TG Chairs were asked to ensure that minutes are recorded, previous minutes are approved, start and finish times are recorded for their meetings, motions are posted in advance, and motion times are recorded.
The following logistical requirements were noted by the Chair:

Projectors
LCD projectors are managed by VeriLAN. When your meeting has completed for the day or you need your room secure for lunch/dinner break, fill out the form at http://newton.events.ieee.org/av to notify VeriLAN. Use the notes field to notify VeriLAN that your group is breaking but will be returning to the room after lunch/dinner break. Once notification is sent via the web, VeriLAN is responsible for the security of the projector and your meeting chair is not required to wait for VeriLAN staff. If necessary, contact the VeriLAN Network Help Desk.

Meeting cancellation or early close
The TG Chair must inform WG Chair if TG meetings are completed for the week earlier than planned so that the facilities can be released. The TG Chair must inform WG Chair in order to request extra meeting space.

Future Sessions <http://ieee802.org/16/calendar.html>

- Session #52: 12-15 November 2007: Atlanta, GA, USA, with IEEE 802 Plenary Session.
- Session #53: 21-24 January 2008; Levi, Finland (hosted by Carl Eklund
- Session #54: 17-20 March 2008: Orlando, FL, USA, with IEEE 802 Plenary Session
- Session #55: 12-15 May 2008 in Macau, China (hosted by Jianmin Lu)
- Session #56: 14-17 July 2008 in Denver, CO, USA, with IEEE 802 Plenary Session
- Session #57: 12-15 Sept 2008: Interim Session; site to be determined at Closing Plenary of Session #52
  Proposals solicited; please see IEEE 802.16 Interim Session Guidelines.
       Mitsuo Nohara announced his offer to host the session in Kobe, Japan.
- Session #58: 10-13 November 2008 in Dallas, TX, USA, with IEEE 802 Plenary Session
- Session #59: Jan 2009: Interim Session; site to be determined at Closing Plenary of Session #54
- Session #60: 9-12 March 2009 with IEEE 802 Plenary Session

New Business

Roger provided the following info.
Informational note: According to IEEE 802 Policies and Procedures (7.2.2):

LMSC WG Chairs and Vice Chairs shall be elected by the WG and confirmed by the LMSC EC. Terms shall end at the end of the first plenary session of the next even numbered year. An individual who has served as Chair or Vice Chair of a given WG for a total of more than eight years in that office may not run for election to that office again, unless the question of allowing that individual to run for election again is approved by a 75% vote of the WG one plenary in advance of that election.

Roger then asked the Vice Chair to take over the meeting and left the head table.

Motion: *Per the third paragraph of section 7.2.2 of the IEEE 802 Policies and Procedures, to authorize and allow Roger Marks to run for re-election as Chair of the IEEE 802.16 Working Group in the election of March 2008.*
Motion by: Phil Barber
Second by: Carl Eklund

There were discussions on the timing and necessity to have this motion. Jose Puthenkulam clarified the reason for the motion. Jon Labs called for the question to be called.

Motion passed by 171/0/1

Peiying Zhu requested that all attendees send a passport size photos to her so that Roger can post them on 802.16 WG web page.

Roger noted that he had been invited to make a presentation to the upcoming WINNER workshop in Munich and that, due to his unavailability, Mike Hart had offered to make the presentation on behalf of the Working Group. Roger asked Brian and Jose to help by reviewing the presentation. They agreed. Roger asked for any objections to this plan. No objection was raised.

Roger requested a show hands for attendance at each TG to make sure a proper room size assigned.
    Maintenance: 50
    Relay: 50
    TGm: a few hundred

Motion to adjourn, at 4:45pm, proposed by John Norin , seconded by Ayman Naguib , passed with unanimous voice vote.

IEEE 802.16 Session #52 Closing Plenary Meeting
Sept 20 2007

Call to Order
Roger called the meeting to order at 7:38 pm**.**

Patent Policy Slides
Chair reminded the attendees of the IEEE 802 patent policy.

Approval of Agenda
The Closing Plenary agenda <http://ieee802.org/16/meetings/mtg52/closing.html> was reviewed.

Motion (7:42pm): " To approve the Closing Plenary agenda
<http://ieee802.org/16/meetings/mtg52/closing.html>", proposed by Scott Probosco, seconded by Remi Chayer,
passed with unanimous voice vote.

Liaison: ITU-R

ITU-R Liaison Group Acting Chair, Reza Arefi, made a report (IEEE L802.16-07/072) and reviewed documents
18-07-0083-d5 and 18-07-0084-d5.

Motion (7:50pm): "To authorize the 802.16 Chair to submit, or support the submittal of, documents 18-07-
0083-d5 and 18-07-0084-d5 to the EC, accepting 802.11's proposed numbers regarding normalized peak
spectral efficiency and intra-frequency maximum handover interruption time." , proposed by Reza Arefi,
seconded by Sassan Ahmadi, approved without objection.

Motion (8:00pm): "To authorize the 802.16 Chair to submit, or support the submittal of, document L802.16-
07/068 to the EC.", proposed by Reza Arefi, seconded by Scott Probosco, approved without objection.

Roger thanked Reza for serving as Acting Chair.

NetMan Task Group
A report was made by the TG Chair, Phillip Barber (IEEE 802.16netman-07/020).

Motion (8:10 pm): "To develop and issue the Draft document P802.16i/D6 based on the resolution of
comments as recorded in 802.16-07/056r2.", Proposed by Phillip Barber, seconded by Jon Labs. passed 90/0/0.

Motion (8:18 pm): "To remand the P802.16i/D6 Draft for inclusion into the Revision Draft P802.16Rev2/D2",
proposed by Phillip Barber, seconded by John Humbert, passed 87/0/0.

Jose asked if the draft is substantially completed? Phillip confirmed that it is. Jose also asked are there new
disapprovals? Phil replied that there were no new disapproves.

Motion (8:21 pm): "To authorize the Working Group Chair to request the 802 EC that the P802.16i PAR be withdrawn", proposed by Phillip Barber, seconded by John Humbert, passed 81/0/0.

TGm

A report was presented by TG Chair, Brian Kiernan (IEEE 802.16m-07/045r2).

Liaison: 802.21

IEEE 802.21 Liaison official Peretz Feder presented a report (L802.11-07/071r1) on 802.21 WG activities.

Liaison: IETF

David Johnston gave a verbal update on activity to review documents from IETF's 16ng Working Group. Roger requested that David submit a contribution documenting his report. David agreed.

License-Exempt Task Group

A report was made by TG Chair, Mariana Goldhamer (IEEE 802.16h-07/027).

John Humbert commented that it may be difficult to hold a call for comments with an open database and without a new draft. Mariana commented that she did not expect many comments and did not want to block members from making new comments.

A request was made to the TG Chair to summarize the hot issues in the LE TG. Mariana replied that there were no major technical issues; the issue is to develop solutions for many comments without proposed solutions, considering the limited resources in TG.

Relay Task Group

A report was made by the Relay TG Chair, Mitsuo Nohara (IEEE 802.16j-07/030) on the progress of the Relay TG.

Motion (9:25pm):" To develop and issue the draft document P802.16j/D2, based on the resolution of comments as recorded in 802.18-07/045r5, and to authorize the WG chair to initiate a Working Group Letter Ballot Recirculation on the revised draft to close around 14 Jan., 2008 AOE", moved by Mitsuo Nohara, seconded by Wen Tong, pass 77/5/15.

There were discussions whether the entire document for comments, some clarification were made. The normal recirculation procedure should be followed.

Maintenance Task Group

A report was presented by TG Chair, Jon Labs (IEEE 802.16maint-07/038).

Motion (7:10pm): *"To accept draft P802.16-Rev2/D1 as modified by the comment resolutions (802.16-07/052r2) and open a Working Group Recirculation Letter Ballot on the entire draft (P802.16-Rev2/D2) "*, proposed by Jon Labs, seconded by Li Wang, passed by 103/0/2.

Roger commented that personally he would like to see the work to move quickly since there are other TG work pending on the completion of the revision.

Future Sessions <http://ieee802.org/16/calendar.html>

- Session #52: 12-15 November 2007: Atlanta, GA, USA, with IEEE 802 Plenary Session.
- Session #53: 21-24 January 2008; Levi, Finland (hosted by Carl Eklund)

Carl provided some logistic information for the session.

- Session #54: 17-20 March 2008: Orlando, FL, USA, with IEEE 802 Plenary Session
- Session #55: 12-15 May 2008 in Macau, China (hosted by Jianmin Lu)
- Session #56: 14-17 July 2008 in Denver, CO, USA, with IEEE 802 Plenary Session
- Session #57: 12-15 Sept 2008: Interim Session; site to be determined at Closing Plenary of Session #52
  Proposals solicited; please see IEEE 802.16 Interim Session Guidelines.
- Session #58: 10-13 November 2008 in Dallas, TX, USA, with IEEE 802 Plenary Session
- Session #59: Jan 2009: Interim Session; site to be determined at Closing Plenary of Session #54
- Session #60: 9-12 March 2009 with IEEE 802 Plenary Session

Motion (9:49pm) "To authorize the WG to act with or without Quorum in Session #53", proposed Mariana Goldhamer, seconded by Lei Wang, approved by unanimous voice vote.

Mitsuo Nohara proposed to host the Session #57 in Kobe, Japan (IUEEE C802.16-07/027 and S802.16-07/027).

Motion (10:07am) " To accept offer to hold Session #59 in Kobe, Japan", proposed by Andy Molisch, seconded by Jeffrey Tao, approved by unanimous voice vote.

Survey for Future IEEE 802 Plenary Venues

Roger displayed a web site for the survey and encouraged people to participate.

Publicity

Without objection, Roger will prepare Session #52 Report.

EC Motions

- Motion to withdraw .16i PAR

There was some discussion on the process of the 802.20 sponsor ballot and the proposed EC motion to suggest a modified entity voting method. Several members expressed their concerns.

Roger reminded the attendees that EC has a vacancy for the Recording Secretary position and encouraged people to volunteer.

New Business/Liaison

Rath Vannithamby presented a report (L802.16-07/073) on the WWRF meeting, where he had presented an address on behalf of the 802.16 WG as previously authorized.

New Business

Paul Piggin volunteered for the vacant Liaison Official position to the IEEE 802.19 TAG. No objections were raised. The WG Chair appointed Paul Piggin as Liaison Official to the IEEE 802.19 TAG and will notify the 802.19 TAG Chair Steve Shellhammer.

Closing

A Motion (at 10:44 pm) to adjourn the meeting was made by David Johnston, seconded by Sean Cai, and carried by unanimous voice vote. The meeting was adjourned at 10:44 pm on Nov 15 2007.

Web References

Session #51 Web Page
        http://ieee802.org/16/meetings/mtg52
Session #50 Attendance and Participation List
        http://ieee802.org/16/meetings/mtg52/reglist.html
Session #50 Report
        http://ieee802.org/16/meetings/mtg52/report.html

Attachments

Working Group Membership List, following post-session updates.

The IEEE 802.16 Working Group on Broadband Wireless Access Standards

IEEE 802.16 Members

Updated: 2007-12-24

Number of members: 377
Next scheduled update: following Session #52

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
Abrishami	Ray	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Ahmadi	Sassan	INTEL CORPORATION	Hillsboro	OR	USA
Ahn	Junbae	SOLiD Technologies	Seoul		Korea
Andelman	Dov	Intel	Raanana		Israel
Arefi	Reza	Intel Corporation	Hillsboro	OR	USA
Barber	Phillip	Huawei	Plano	TX	USA
Baum	Kevin	Motorola	Schaumburg	IL	USA
Bims	Harry	Apple	Menlo Park	CA	USA

Boariu	Adrian	Nokia Siemens Networks		TX	USA
Boer	Jan	Motorola	Utrecht		Netherlands
Bogenfeld	Eckard	T-Mobile	Darmstadt		Germany
Boyer	Adrian	HARRIS CORPORATION	Rochester	NY	USA
Brandt	Achim	Nokia Siemens Networks	Munich		Germany
Branlund	Dale	BRN Phoenix	Santa Clara	CA	USA
Brooks	Terri	TruePosition, Inc.	Frisco	TX	USA
Cai	Sean	ZTE Corporation	San Diego	CA	USA
Carlo	James	Huawei	Dallas	TX	USA
Castelow	David	Airspan Communications Ltd	Uxbridge		UK
Cha	Jaesun	ETRI	Daejeon		Korea
Chae	Suchang	ETRI	Daejeon		Korea
Chang	Jae Hwan	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Chang	Sungcheol	ETRI	Daejeon		Korea
Chang	Xin	Huawei			
Chang	Youngbin	Samsung Electronics			
Chayat	Naftali	Alvarion	Tel Aviv		Israel
Chayer	Rémi	Groupe Airtel Telecom	Saint-Hubert	PQ	Canada
Chen	Kwang-Cheng	National Taiwan University	Taipei		Taiwan
Chen	Ren-Jr	ITRI	Hsinchu County		Taiwan
Chen	Wei-Peng	Fujitsu Labs. of America	Sunnyvale	CA	USA
Cheng	Paul	MediaTek Inc.	Sunnyvale	CA	USA
Chindapol	Aik	Nokia Siemens Networks	Princeton	NJ	USA

Chion	Hua (Mary)	ZTE Corp.	San Diego	CA	USA
Cho	Jaehee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Cho	Jaeweon	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Cho	Kihyoung	LG Electronics	Anyang	Gyeonggi-do	Korea
Cho	Myeon-Gyun	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Choi	Hokyu	Samsung Electronics	Sungnam-Shi	Gyeonggi-do	Korea
Choi	Hyoung-Jin	TTA	Seongnam	Gyeonggi-do	Korea
Choi	Hyung-Nam	Infineon Technologies AG	Hannover		Germany
Choi	In-Kyeong	ETRI	Taejeon		Korea
Choi	JinSoo	LGE	Anyang	Gyeonggi-do	Korea
Choi	Joonyoung	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Choi	Yang-Seok	Intel corp	Hillsboro	OR	USA
Chou	Chie Ming	ITRI	Hsinchu		Taiwan
Chou	Joey	Intel	Chandler	AZ	USA
Chow	Jerry	ZTE Corporation	San Diego	CA	USA
Chui	Jimmy	NSN	Princeton	NJ	USA
Chujo	Takafumi	Fujitsu Laboratories Ltd.	Yokohama	Kanagawa	Japan
Chun	Jin Young	LG Electronics	Anyang	Gyeonggi-do	Korea
Colban	Erik	NextWave Broadband Inc.	San Diego	CA	USA
Comstock	David	Huawei	San Diego	CA	USA
Costa	José	NORTEL	Ottawa	ON	Canada
Crowley	Steven	NTT DoCoMo	Washington	DC	USA
Cudak	Mark	Motorola	Schaumburg	IL	USA
Dayal	Pranav	Qualcomm, Incorporated	San Diego	CA	USA

De Segovia	Carlos	France Telecom	Cesson Sevigne		France
Dhaliwal	Upkar	Future Wireless Technologies	San Diego	CA	USA
Do	Mi-Sun	Samsung AIT	Yongin	Gyeonggi-do	Korea
Dong	Xiaolu	CATR	Beijing		China
Doostnejad	Roya	Redline Communications	markham	ON	Canada
Eastwood	Lester	Motorola	Schaumburg	IL	USA
Eklund	Carl	Nokia Siemens Networks	Helsinki		Finland
Erlihson	Michael	Runcom	Rishon Lezion		Israel
Etemad	Kamran	Intel Corporation	Potomac	MD	USA
Fahldieck	Torsten	Alcatel-Lucent	Stuttgart		Germany
Feder	Peretz	Alcatel-Lucent	Whippany	NJ	USA
Feng	Shulan	HiSilicon	Beijing	Beijing	China
Fong	Mo-Han	Nortel Networks	Ottawa	ON	Canada
Freedman	Avraham	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
Fu	I-Kang	MediaTek Inc.	Hsinchu		Taiwan
Gal	Dan	Alcatel-Lucent	Whippany	NJ	USA
Glassford	Rob	BT	Ipswich	Suffolk	UK
Goh	Wee Peng	NextWave Broadband Inc.	San Diego	CA	USA
Goldhamer	Mariana	Alvarion Ltd.	Tel Aviv		Israel
Golshan	Reza	fujitsu microelectronics america	Sunnyvale	CA	usa
Grandblaise	David	Motorola	Gif sur Yvette		France
Guvenc	Ismail	NTT DoCoMo	Palo Alto	CA	USA
Hadad	Zion	runcom	Rishon Le Zion		Israel

Hahn	GeneBeck	LG Electronics			Korea
Hamiti	Shkumbin	Nokia	Helsinki		Finland
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Hart	Mike	UK Broadband	Uxbridge		UK
Hiddink	Gerrit	Motorola	Nieuwegein	UT	Netherlands
Higuchi	Keisuke	SANYO	Gifu		Japan
Ho	Chieh Yuan	MediaTek Inc	HsinChu		Taiwan
Ho	Minnie	Intel Corporation	Los Altos	CA	USA
Hsiao	Chang-Lung	ITRI	Hsinchu		Taiwan
Hsieh	Ching-Tarng	ITRI	Hsinchu		Taiwan
Hsieh	Yu-Tao	Industrial Technology Research Institute	Hsinchu		Taiwan
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Hsu	Hsien-Tsung	Consultant	Taipei	Taoyuan County	Taiwan
Hsu	Yuan-Ying	Telcordia Applied Research Center TW Co.	Taipei		Taiwan
Hu	Teck	Nokia Siemens Networks	Boca Raton	FL	USA
Hu	Wendong	STMicroelectronics	San Jose	CA	USA
Huang	Cancan	ZTE Cooperation	San Diego	CA	USA
Hui	Junhong	ETRI	Daejeon		Korea
Humbert	John	Sprint	Overland Park	KS	USA
Hur	Yerang	Posdata	Santa Clara	CA	USA
Hwang	InSeok	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Ihm	Bin-Chul	LG Electronics	Anyang	Gyeonggi-do	Korea
Ikegami	Tetsushi	NICT/Meiji Univ.	Kawasaki		Japan
Inklebarger	Tom	Consultant	La Mesa	CA	USA
Jan	Yih Guang	Tamkang University	Taipei		Taiwan

Jang	Jaehyuk	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jee	Junghoon	ETRI	Daejon	Chungcheongnam-do	Korea
Jeniston Deviraj	Klutto Milleth	CEWiT	Chennai	Tamilnadu	India
Jeong	Moo Ryong	NTT DoCoMo	San Jose	CA	USA
Jha	Uma	Qualcomm	San Diego	CA	USA
Jiang	Liang	Intel Corp	shanghai		China
Jin	Lei	Huawei Technologies Co., Ltd			
Jin	Sunggeun	ETRI	Seoul		Korea
Johnson	Brian	Texas Instruments	Germantown	MD	USA
Johnsson	Kerstin	Intel	Palo Alto	CA	USA
Johnston	David	Intel Corporation	Hillsboro	OR	USA
Joo	Panyuh	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jung	Young-Ho	Korea Aerospace University	Goyang-si	Gyeonggi-do	Korea
Kanai	Takeo	Softbank BB Corp.	Tokyo		Japan
Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kang	Seung Hyun	LG Electronics	Anyang-shi	Gyeonggi-do	Korea
Kaplan	Ted	DirecTV	Washington	DC	USA
Kelman	Ofer	Pointer Telocation Ltd.	Givatayim		Israel
Khalona	Ramon	NextWave Broadband Inc.	San Diego	CA	USA
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Kim	Taeyoung	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kim	Young Kyun	samsung electronics	suwon	Gyeonggi-do	Korea
Kim	Young-Il	ETRI			Korea
Kim	Young-jae	Samsung Thales	Yong-In	Gyeonggi-do	Korea
Kim	Youngho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kim	Yungsoo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kishigami	Takaaki	Matsushita Electric Industrial Co., Ltd.	Tokyo		Japan
Kitroser	Itzik	Runcom	Rishon Le Zion		Israel
Koc	Ali	Intel Corp.	Hillsboro	OR	USA
Koo	Changhoi	Samsung Electronics	Richardson	TX	USA
Koorapaty	Havish	Ericsson Inc.			USA
Korakis	Thanasis	Polytechnic University	Brooklyn	NY	USA
Korkmaz	Gokhan	ArrayComm LLC	San Jose	CA	USA
Kuchi	Kiran	Nokia Siemens Networks	Irving	TX	USA
Kuze	Toshiyuki	Mitsubishi Electric	Kamakura	Kanagawa	Japan
Kwak	Byung-Jae	ETRI	Daejeon		Korea
Kwak	Jin Sam	LG Electronics	Anyang	Gyeonggi-do	Korea
Kwon	Dong Seung	ETRI	Daejeon	Chungcheongnam-do	Korea
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sun	sheng	Nortel		ON	Canada
Sun	Will	BRN Phoenix, Inc.	Santa Clara	CA	USA
Sun	Yong	Toshiba Research Europe Limited	Bristol		UK
Suo	Shiqiang	Datang Mobile	Beijing		China
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Tsai	Shiau-He	Ericsson	Stockholm		Sweden
Tseng	Fan Shuo	NCTU/MediaTek Inc.	Hsinchu		Taiwan
Ullmann	Rainer	Wavesat Inc.	Dorval	PQ	Canada
Urban	David	Comcast	Philadelphia	PA	USA
Vadgama	Sunil	Fujitsu	Hayes Middlesex		UK
Van Leeuwen	Richard	Motorola	Nieuwegein		Netherlands
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Venkatachalam	Muthaiah	Intel	Hillsboro	OR	USA
Viorel	Dorin	Fujitsu Microelectronics Canada Inc.	Calgary	AB	Canada
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Vook	Frederick	Motorola	Schaumburg	IL	USA
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Wang	Stanley	Quanta Computer, Inc.	San Diego	CA	Taiwan
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Wang	Zongkai	Tian Jin Government			
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Wu	Geng	Nortel Networks	Richardson	TX	USA
Wu	Mingquan	Thomson	princeton	NJ	USA
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Xu	Ling	ZTE Corporation	Shenzhen	Guangdong	China
Xu	Weijun	Tian Jin Government	Tianjin		China
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Yang	Rongzhen	Intel Corp.	Shanghai	Shanghai	China
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Zheng	Hongming	Intel Corporation			China
Zhong	Xiaofeng	Tsinghua University	Beijing		China
Zhou	Fei Frank	Beceem	Santa Clara	CA	USA
Zhou	Hua	Fujitsu R&D Center	beijing		China
Zhou	Shidong	Tsinghua University	Beijing		China
Zhou	Yuefeng	NEC EUROPE	London		UK
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