
Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Minutes of IEEE 802.16 Session #48	
Date Submitted	2007-04-01	
Source(s)	Peiyong Zhu Nortel	Voice: +1 613 7658089 mailto:pyzhu@nortel.com
Re:	IEEE 802.16 Session #48 Minutes (Orlando, USA)	
Abstract		
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #48	
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Minutes of IEEE 802.16 Session #48

IEEE 802.16 Working Group

Orlando, USA

12 – 15 March 2007

IEEE 802.16 Session #48 Opening Plenary Meeting

Monday 12 March 2007

Call to Order

The meeting was called to order by Working Group (WG) Chair Roger Marks at 1:09 pm. He welcomed attendees to Session #48 of the IEEE 802.16 WG. Roger provided the URL for the opening plenary agenda <<http://iee802.org/16/meetings/mtg48/opening.html>>. Roger introduced himself, Working Group (WG) Vice Chair Jose Puthenkulam, and Secretary Peiying Zhu.

Roger outlined networking, logistical, and registration issues. He instructed that all attendees must have a clearly visible name badge while on the meeting floors and during the social.

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

Motion (at 1:15pm): To approve the Opening Plenary Meeting Agenda on the 802.16 web site <<http://iee802.org/16/meetings/mtg48/opening.html>>, proposed by Mariana Goldhamer, seconded by DJ Johnston, approved by unanimous voice vote.

Membership and Voting

The lists of WG Members, Potential Members, Members in Peril, and Observers were explained by the Chair. Name badges for members were annotated with "M.16" and doubled as voting tokens. Potential Members and Members are treated equally in this meeting.

The electronic attendance sign-in log procedure was explained by Roger. Eight attendance intervals [Mon pm; Tue am; Tue pm; Wed am; Wed pm; Thu am; Thu pm; Thu evening]. "Participation" Requirement: six intervals (75%). Roger emphasised the importance of using the correct names upon signing in order to receive the correct attendance credits. The membership ID displayed on the badge is required for the electronic log. The interval is based on clock time, with slight grace periods. The on-line database is the official record; do not request exceptions. Attendance credit will be granted to **802.16 members** for participation in IEEE 802.18, 802.19, and 802.21.

Approvals

Roger reviewed the draft minutes of Session #47 (IEEE 802.16-07/014r1). Roger asked for comments. No comments were received.

Motion (at 1:39pm): To approve the minutes of Session #47 (IEEE 802.16-07/014r1) and decisions therein, proposed by Mike Hart, seconded by Lei Wang, motion was approved without objection.

Chair's Status Report

See Chair's slides (IEEE 802.16-07/020r1).

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 80216-07/020r1, in particular, related to WG operation, Chair's function, WG Rules such as working group domination, copyrights, contribution procedures, and restrictive notices.

Legal Announcements

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 disclosure of patents which may be essential for the use of standards under development is encouraged;
- Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.

Slide #1 ("IEEE-SA Standards Board Bylaws on Patents in Standards") and Slide #2 ("Inappropriate Topics for IEEE WG Meetings") were shown (slides included February 2006 revisions by Standards Board).

An opportunity was provided for WG members to identify or disclose patents that the WG member or any participants believes may be essential for the use of that standard.

Ken Stanwood of NextWave Broadband, Inc. made the following statement: "*In light of the new patent policy that will take effect in May, and because in the course of our business we develop technology that could make it into the standard from time to time, NextWave is filing a blanket letter of assurance to cover technology it has or may develop that would be essential to the standard.*"

There were no other responses to this announcement.

IEEE-SA Actions

IEEE Std 802.16/Conformance04 was published on 15 January. Acknowledgements and Awards were given to Gordon Antonello (TG Chair) and Herbert Ruck (TG Vice Chair and Technical Editor).

P802.16k/D4 will be on RevCom agenda of 21 March. It received 100% approval in Sponsor Ballot.

IEEE-SA News

Roger highlighted the 2006 Feb 2007 changes to the IEEE-SA Standards Association Operations Manual <<http://standards.ieee.org/guides/opman>> and Standards Board Bylaws <<http://standards.ieee.org/guides/bylaws>>, including affiliation declarations.

Roger highlighted upcoming patent policy changes (see Tutorial #1) and informed WG officers and Task Group Chairs that it is mandatory to attend Tutorial #1. TG Chairs unable to attend were requested to inform Roger.

IEEE 802 EC News

Roger highlighted the Coexistence Assurance issue, training opportunity, IEEE-SA Patent Policy changes, IEEE-SA business plans to operate conformity assessment, possible Study Groups (802.11 video; 802.11 multimedia), issues regarding liaison with IEEE P1900 and March 2008 Plenary.

IEEE 802 Working Group Issues (see Roger's chart)

Roger thanked to Jose Puthenkulam for serving as Acting Chair at Session #47. Roger then discussed several items related to Project Planning Committee and the current version of Commentary 2 (v.2.17), and highlighted few other key issues on later agenda.

Operator ID/ Registration Authority Report

Roger updated the status on this issue. Negotiations continue with Registration Authority staff at IEEE. IEEE staff and Registration Authority Committee have been urged to establish the the 802.16 OpID Registration Authority as soon as possible. IEEE has recognized the urgency but has not committed to a specific deadline.

Review of Session #47 Report

Roger reviewed the Session #47 Report and encouraged people to read <http://ieee802.org/16/meetings/mtg47/report.html> for details. He highlighted the item on "ITU-R Liaison activities".

IEEE 802 PARs Under Consideration

Roger reviewed the PARs submitted to LMSC EC and asked if anyone wanted to submit comments on PARs from other WGs. No comments were received.

IEEE 802 Tutorials

Roger described the 802 tutorials planned for Monday and Tuesday evening.

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=20070312>.

NetMan Task Group

The NetMan TG draft agenda for the week was presented by the TG Chair Phil Barber (document IEEE 802.16netman-07/006). Phil encouraged WG members to cast a vote in Working Group Letter Ballot #25, which will close on March 12 AOE.

Phil mentioned several potential motions in consideration for the closing plenary.

Phil expressed his appreciation to the members of the Ballot Resolution Committee that prepared comment resolutions in the P802.16g Sponsor Ballot recirculation. Roger acknowledged Phil's excellent work as chair of that BRC.

License-Exempt Task Group

The LE TG Chair, Mariana Goldhamer, reviewed the results of WG Letter Ballot Recirc #24a, the comment process, and a summary of ad hoc activities after Session #47. Mariana informed the WG regarding the upcoming joint meeting with 802.11 TGy and the 802.19 TAG on Tuesday at 9 am. She then presented the plan for the week and the TG's expected Closing Plenary motions (see IEEE 802.16h-07/002, need to check).

Roger suggested that Mariana to develop the agenda for the joint meeting with 802.11 TGy and 802.19.

Relay Task Group

The Relay Task Group draft agenda for the week was presented by the TG Chair Mitsuo Nohara (IEEE 802.16j-07/009r1). Nohara-san reviewed the status of P802.16j, statistics of comments and contributions received for this Session, and the plan for moving forward.

Maintenance Task Group

The Maintenance TG Chair, Jonathan Labs, presented the opening report (IEEE 802.16maint-07/006r3). Jon reviewed two motions approved in the Session #47Closing Plenary, the progress since Session #47, and the status of the draft P802.16-2004/Cor2/D2. Jon presented the progress on the revision project; in particular, the submitted PAR and the details on the consolidation document under development by IEEE-SA's professional editor.

Motion [2:43pm]: "To delegate to the Maintenance Task Group the authority and responsibility to respond to comments received on the proposed 802.16 Revision PAR, preparing a suitable response and ensuring its timely submittal to the 802 EC by 5 pm on Wednesday," proposed by Jonathan Labs, seconded by Lei Wang.

A question was raised on the difference between the consolidation document and the revision. Jon explained that the consolidation document will be used as an input for the revision project.

The motion passed without objection.

Jon then presented the proposed schedule for the week and expected motions in the WG Closing Plenary.

TGm

The TGm Chair, Brian Kiernan presented the opening report (document C802.16m-07/010r1). Brian introduced the TGm leadership team: Carl Eklund (Vice Chair), Avi Freedman (Secretary), and Mark Cudak (Technical Requirements Editor). He explained the intent to appoint four editors (the remaining three editor positions are open). Brian then presented the plan for the week.

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.

Security

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(Network Office) or x8894 (Network help desk). VeriLAN has a notes field the link above so you can make a note if your group is breaking but will be returning to the room after lunch/dinner break.

ARIB Liaison

Mr. Takashi Shono presented the following ARIB Liaison Reports:

- [IEEE L802.16-07/010](#) (Liaison Report from ARIB BWA Subcommittee)
- [IEEE L802.16-07/006](#) (Liaison Request from BWA Subcommittee, ARIB to IEEE 802.16 WG)
- [IEEE L802.16-07/005](#) (Message from Chair of BWA Subcommittee, ARIB)

Roger informed the WG that he will draft the response this week and welcomed the input from the group. Roger intended to appoint an ARIB Liaison officer. Michiharu Nakamura has volunteered for the position.

ITU-R Liaison Group

ITU-R Liaison Official José Costa presented the opening report (IEEE L802.16-07/019r1).

Roger emphasis the importance of the approval, as of 8 March 2007, of Recommendation ITU-R M.1801, which recommends the use of IEEE Std 802.16 in the mobile service. He presented an IEEE 802.16 WirelessMAN logo shirt for José's excellent work to achieve this result.

Roger explained that IEEE 802.18 may require WG approval of any proposed liaison contribution to ITU before submitting it to IEEE 802.18 for approval. However, IEEE 802.18 will finish its meeting before the 802.16 Closing Plenary. The following motion was made to potentially address this issue:

Motion [3:34pm]: To authorize the ITU-R Liaison Group to draft documents based on received input contributions, tentatively approve them on behalf of the WG (subject to confirmation at the 802.16 closing plenary) and submit them for 802.18 review, proposed by José Costa, seconded by Rémi Chayer, passed 55/0/0.

There were some discussions regarding ITU-R submissions on IMT-Advanced.

IETF

Roger mentioned his message to the reflector seeking volunteers to review the IETF draft "IPv6 over 802.16 / IPCS" specification. Roger requested that Phil add the item to the NetMan agenda. Phil agreed. Roger requested that interested members should participate in the subsequent NetMan discussions.

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

- [Session #49](#): 7-10 May 2007: IEEE 802.16 Interim Session, Portland, OR, USA, hosted by Jose Puthenkulam of Intel. The registration site is open. Jose explained details on logistics.
- [Session #50](#): 16-19 July 2007: San Francisco, CA, USA with [IEEE 802 Plenary Session](#). There is a concern of insufficient meeting space.
- [Session #51](#): 17-20 Sept 2007: IEEE 802.16 Interim Session, Malaga, Spain, hosted by Gordon Antonello of AT4 Wireless.
- [Session #52](#): 12-15 November 2007: Atlanta, GA, USA, with [IEEE 802 Plenary Session](#).
- [Session #53](#): January 2008; site to be determined at Closing Plenary on 15 March
Proposals solicited; please see [IEEE 802.16 Interim Session Guidelines](#). One indication of interest prior to session: [Levi, Finland](#) (Carl Eklund, Nokia).

New Business

No new business.

Motion to adjourn at 4:03pm, proposed DJ, Johnston, seconded by Scott Probasco, passed without objection.

IEEE 802.16 Session #47 Closing Plenary Meeting

Thursday 15 March 2007

Call to Order

Roger called the meeting to order at 7:15 pm.

Approval of Agenda

The Closing Plenary agenda <<http://iee802.org/16/meetings/mtg48/closing.html>>, was reviewed.

Motion (7:20pm): To approve the Closing Plenary Meeting Agenda on the server, proposed by Scott Probasco, seconded by John Humbert, passed by unanimous voice vote.

Roger mentioned that the 802.22 TG Chair, Carl Stevenson, had an unexpected medical condition yesterday. Roger sent best wishes to Carl on behalf of the WG.

TGm

A report was presented by TG Chair Brian Kiernan (IEEE 802.16m-07/012r1).

There were discussions on the scope of the Calling for Comments on the technical requirements draft and the process of maintaining the requirements document.

Roger suggested that TGm create a written procedure on how it will handle this requirements document.

NetMan Task Group

A report on the P802.16g and P802.16i projects was made by the TG Chair Phillip Barber (IEEE 802.16netman-07/008).

Motion (7:51 pm):

“To develop and issue the Draft document P802.16g/D9 based on the resolution of comments as recorded in 802.16-07/018r3, and to authorize the WG Chair to initiate a Sponsor Ballot confirmation recirculation on the Draft, to close around May 5, 2007.” Proposed by Phil Barber, seconded by DJ Johnston.

There were some discussions on the timing of the Sponsor Ballot confirmation recirculation. Roger indicated that the May 5 date may be workable; however, as the Chair who will initiate the Sponsor Ballot, he may choose to interpret “around” liberally based on schedule requirements.

Motion passed by 68/0/2.

Motion (8:00 pm):

“To authorize the Working Group Chair to request conditional approval for P802.16g/D9 to be submitted to RevCom”, Proposed by Phil Barber, seconded by Eric Colban.

Motion passed by 56/0/1.

Motion (8:02 pm):

“To develop and issue the Draft document P802.16i/D2 based on the resolution of comments as recorded in 802.16-07/017r2, and to authorize the WG Chair to initiate a Working Group Letter Ballot recirculation on the Draft, to close around May 4, 2007.” Proposed by Phil Barber, Seconded by DJ, Johnston. Motion passed without objection.

Roger expressed his thanks to Phil for offering to coordinate the IETF liaison work and asked for volunteers to participate with Phil on this issue.

Maintenance Task Group

A report was presented by TG Chair Jon Labs (IEEE 802.16maint-07/010r1).

Motion (at 7:53pm): “To accept the database IEEE 802.16-07/013r6 as the comment resolutions for LB#23a on P802.16-2004/Cor2/D2, and to open a Working Group Confirmation Letter Ballot on P802.16-2004/Cor2/D3 as generated from P802.16-2004/Cor2/D2 modified by the comment resolutions in IEEE 802.16-07/013r6.” Proposed by Jon Labs, seconded by Rémi Chayer.

Lei Wang asked how comments in the Working Group Confirmation Letter Ballot will be addressed. Jon replied that, though he does not anticipate comments, any suitable comments would be addressed at Session #49.

Motion passed 63/0/4.

Motion (at 8:20 pm): “To accept the Revision PAR in IEEE 802.16-07/008r1, and to authorize the WG Chair to forward it for EC and NesCom approval.” Proposed by Jon Labs, seconded by Dan Gal.

Motion passed 72/0/1

Jon is looking for more volunteers to review the consolidation document for 802.16-2004, 802.16e-2005, 802.16-2004/Cor1-2005, 802.16f-2005.

License-Exempt Task Group

A report was made by the TG Chair Mariana Goldhamer (IEEE 802.16h-07/007r1).

Motion (8:40 pm):

To authorize the LE TG Editor to create IEEE P802.16h/D3 based on the comment resolutions in IEEE 802.16-07/016r2, proposed by Mariana Goldhamer, seconded by Paul Piggin.

There were some discussions on the motion. Roger expressed concern based on the fact that comment resolution was incomplete. Roger suggested that perhaps an informal update to the document, not to be an official WG draft, would address the TG’s needs.

Motion was withdrawn, without objection.

Marianna reported the outcome of the joint meeting between 802.11y TG and 802.19 TAG. 802.19 TAG Chair Steve Shellhammer offered to have joint conference calls going forward. Roger read an email from Steve Shellhammer and asked Mariana if there were any actions taken to respond Steve's email. Marianna replied that there will be a conference call on Thursday. Roger requested Mariana inform the WG reflector.

Relay Task Group

A report was made by the Relay TG Chair Mitsuo Nohara (IEEE 802.16j-07/011r3) on the progress of the Relay TG.

Liaison: WiMAX Forum

Brian Kieran reviewed liaison statement from WiMAX Forum president Ronald Resnick (IEEE L802.16-07/014) that was received on 13 March and reviewed in TGM. He proposed a draft response letter (IEEE L802.16-07/016r1). There were some discussions regarding the purpose of this letter, the appropriateness of incorporating a WiMAX Forum profile in the standard, and the maintenance of the resulting standard.

Motion (9:15pm): To approve the liaison letter (IEEE L802.16-07/016r1), subject to final editing, and forward it to the WiMAX Forum, proposed by Jose Puthenkulam, seconded by Dan Gal.

Passed: 41/17

**Roger asked for the minutes to note that he is concerned about draft liaison statements coming to the Closing Plenary without sufficient prior review, and to note that he volunteers to take an Action Item to establish a policy on the advanced review such draft statements.*

Liaison: ITU-R

ITU-R Liaison Officer José Costa made a report (IEEE L802.16-07/020r1).

Motion (9:29pm): "To approve IEEE L802.16-07/013d2 and confirm the approval of IEEE L802.16-07/012d3 and authorize the WG Chair to submit them to the IEEE 802 Executive Committee for approval, with the intent to submit them to ITU-R as IEEE contributions." José Costa, seconded by DJ Johnston.

Both documents IEEE L802.16-07/013d2 and IEEE L802.16-07/012d3 were reviewed. Roger asked if everyone understand everything in these documents or needed clarification. A few questions were raised, and José provided answers. Roger then asked again if there were any comments or questions. No more comments were received on these two documents.

A question was raised by Charlie Rush: What happens if one wants to support only one of the two documents in the motion? José explained that the reason for seeking approval of both documents was mainly to save time. Roger explained the procedural issue and alternative ways to handle the motion, including the possibility of a motion to divide. Roger then allowed more time to address Charlie's concern, which regarded document IEEE L802.16-07/013d2 but not IEEE L802.16-07/012d3. Charlie's concern was not resolved. Charlie agreed not to propose to divide the motion.

Motion passed 60/2/3.

José reviewed a proposed liaison statement to the IEEE 802.18 TAG.

Motion (9:57pm): “To approve IEEE L802.16-07/018d1”, proposed by Jose Costa, seconded by Michael Wang.

Motion passed: 53/0/2

José reviewed the 802.16 process to feed into the IEEE 802.18 correspondence activity.

Motion (9:57pm): **Adopt the following process to feed into the IEEE 802.18 correspondence activity:**

1. Timeframe: now to 20 April
2. IEEE 802.16 correspondence group composed of volunteering 802.16 WG members
3. Weekly conference calls, one or two days prior to the IEEE 802.18 conference calls
4. Call for inputs in Commentary format, one day prior to conference call
5. IEEE 802.16 correspondence group default chair: Roger Marks
6. The correspondence group is open to other WG correspondence groups that are interested in joint contributions to the 802.18 correspondence activity. The decision to join with other WG correspondence groups is to be made by the 802.16 correspondence group based on compatibility of interest.
7. IEEE 802.16 WG Chair to decide whether he needs a WG Letter Ballot at the end of the process.

Proposed by José Costa, seconded by DJ Johnston. There was some discussion on the motion.

Passed: 52/0/1

Liaison: IEEE 1900

Scott Henderson’s name was on the agenda due to his original email to Roger on this issue. However, he was absent. Roger reviewed emails from Scott Henderson and Steve Shellhammer. Roger then reviewed a draft liaison letter to IEEE 1900 from Paul Nikolich. Roger asked if anyone had suggestions on whether to support this letter. Mariana Goldhamer suggested that the WG should support the letter.

Liaison: ARIB

Roger reviewed a draft liaison letter (IEEE L802.16-07/011d1) the ARIB BWA subcommittee. The draft letter would appoint Michiharu Nakamura as the IEEE 802.16 WG’s Liaison Official to the ARIB BWA Subcommittee.

Motion (10:19pm): To approve the liaison letter IEEE L802.16-07/011d1, proposed by Mitsuo Nohara, seconded by Shawn Taylor. Passed 53/0/0.

Roger thanked Mr. Takashi Shono for volunteering as ARIB’s liaison official.

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

Session #49: 7-10 May 2007: IEEE 802.16 Interim Session, Portland, OR, USA

Jose highlighted few meeting logistics on registration, visa.

Roger requested the Task Group chairs to send him meeting space requirements shortly and provide him the meeting headcount for this meeting in each Task Group.

A straw poll on potential attendance was conducted: 62:2

Session #50: 16-19 July 2007: San Francisco, CA, USA with IEEE 802 Plenary Session

Session #51: 17-20 September 2007: IEEE 802.16 Interim Session, Malaga, Spain

Session #52: 12-15 November 2007 in Atlanta, GA, USA with IEEE 802 Plenary Session

Session #53: January 2008: IEEE 802 Interim Session

Site to be determined.

Proposals solicited; please see IEEE 802.16 Interim Session Guidelines

Carl Eklund presented a proposal (IEEE C802.16-07/004r1) to host the session in Levi, Finland.

Motion (10:40pm): To conduct Session #53 in Levi Finland on 21-24 Jan 2008. Proposed by Carl Eklund, seconded by Shawn Taylor. Passed 54/3/2

Session #54: March 2008: [unknown site/dates] with IEEE 802 Plenary Session

The meeting was originally planned in New Orleans, but the hotel is not available. One proposal is to come back to Orlando and the current hotel. A few comments were made on the current hotel. Carl Eklund spoke in favor of Vancouver.

Publicity

Chair asked comments on Session #48 Report. No comments were received.

EC Motions

The list of issues for Roger to address at the 802 EC meeting:

“To develop and issue the Draft document P802.16g/D9 based on the resolution of comments as recorded in 802.16-07/018r3, and to authorize the WG Chair to initiate a Sponsor Ballot confirmation recirculation on the Draft, to close around May 5, 2007.”

“To accept the Revision PAR in IEEE 802.16-07/008r1, and to authorize the WG Chair to forward it for EC and NesCom approval.”

To make sure that IEEE 802.18 makes the two motions related to ITU.

New Business

Wonil Roh asked a question on the approval ratio for the earlier motion on the WiMAX Forum liaison statement. Roger reviewed subclauses 14.1 and 14.2 of the IEEE 802 Policies and Procedures. He then stated that he believes that the motion required only a simple majority. John Humbert commented that a Task Group technical decision requires 75% approval. Roger stated that he rules that this motion requires only a simple majority.

Closing

A Motion (at 10:50 pm) to adjourn the meeting was made by Shawn Taylor, seconded by Lei Wang, and carried by unanimous voice vote. The meeting was adjourned at 10:55 pm on 15 March 2007.

Web References

Session #48 Web Page

<http://ieee802.org/16/meetings/mtg48>

Session #48 Attendance and Participation List

<http://ieee802.org/16/meetings/mtg48/reglist.html>

Session #48 Report

<http://ieee802.org/16/meetings/mtg48/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: 2007-04-01

Number of members: 266

Next scheduled update: following [Session #50](#)

See also:

- [Rights of Membership](#)
- [Acquiring and Retaining IEEE 802.16 Membership](#)
- [Potential Members](#)
- [those recently losing membership due to lack of letter ballot participation](#)
- [those recently losing membership due to lack of session participation](#)
- [Members in Peril](#)
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Name \Given	Name\Family	Company	City	State\Province	Country
Ray	Abrishami	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Sassan	Ahmadi	Intel Corporation	Hillsboro	OR	USA
Dong Hyun	Ahn	ETRI	Daejeon		Korea
Junbae	Ahn	SOLiD Technologies	Seoul		Korea
Dov	Andelman	Intel Corp.	Raanana		Israel
Reza	Arefi	Intel Corp.	Hillsboro	OR	USA
Masahito	Asa	Motorola Japan Ltd.	Tokyo		Japan

Phillip	Barber	Huawei	Plano	TX	USA
Dharma	Basgeet	Toshiba Research Europe Ltd	Bristol		UK
Kevin	Baum	Motorola Inc.	Schaumburg	IL	USA
Adrian	Boariu	Nokia	Irving	TX	USA
Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Achim	Brandt	Siemens	Muenchen		Germany
Dale	Branlund	BRN Phoenix	Santa Clara	CA	USA
Terri	Brooks	TruePosition, Inc.	Frisco	TX	USA
Sean	Cai	ZTE Communications	San Diego	CA	USA
James	Carlo	Consultant (for Huawei)	Dallas	TX	USA
Jaesun	Cha	ETRI	Daejeon		Korea
Suchang	Chae	ETRI			Korea
Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Sungcheol	Chang	ETRI	Daejeon		Korea
Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
Rémi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
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Wei-Peng	Chen	Fujitsu Labs. of America	Sunnyvale	CA	USA
Aik	Chindapol	Siemens	Princeton	NJ	USA
Hua (Mary)	Chion	ZTE Communications	San Diego	CA	USA
Jaehee	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jaeweon	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kihyoung	Cho	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Seokheon	Cho	ETRI	Daejeon		Korea
Hokyu	Choi	Samsung Electronics Co., Ltd.	Sungnam-Shi	Gyeonggi-do	Korea
Hyong-Jin	Choi	TTA	Seongnam	Gyeonggi-do	Korea

Hyung-Nam	Choi	Infineon Technologies AG	Hannover		Germany
Joonyoung	Choi	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yang-Seok	Choi	Intel	Hillsboro	OR	USA
Yong-Hoon	Choi	Kwangwoon University	Seoul		Korea
Joey	Chou	Intel Corp.	Chandler	AZ	USA
David	Choukroun	Sequans	Paris		France
Jimmy	Chui	Siemens	Princeton	NJ	USA
Takafumi	Chujo	Fujitsu Laboratories Ltd.	Yokohama	Kanagawa	Japan
Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Erik	Colban	NextWave Broadband, Inc.	San Diego	CA	USA
David	Comstock	Huawei Technologies Co., Ltd	San Diego	CA	USA
José	Costa	Nortel	Ottawa	ON	Canada
Mark	Cudak	Motorola	Schaumburg	IL	USA
George	Cummings	Motorola	Chandler	AZ	USA
Pranav	Dayal	Qualcomm, Inc.	San Diego	CA	USA
Carlos	De Segovia	France Telecom R&D	Cesson Sevigne		France
Mustafa	Demirhan	Intel Corp.	Hillsboro	OR	USA
Upkar	Dhaliwal	Future Wireless Technologies	San Diego	CA	USA
Lester	Eastwood	Motorola Inc.	Schaumburg	IL	USA
Carl	Eklund	Nokia Inc.	Helsinki		Finland
Per	Elmdahl	Ericsson	Linkoping		Sweden
Jai	Eu	Jcast Networks Korea	Anyang-Si	Gyeonggi-do	Korea
Yu-Chang	Eun	Samsung	Suwon	Gyeonggi-do	Korea
Torsten	Fahldieck	Alcatel	Stuttgart		Germany

Shulan	Feng	Hisilicon Technologies Co., LTD.	Beijing	Beijing	China
Thierry	Fernaine	SITA	Atlanta	GA	USA
Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
Avraham	Freedman	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
I-Kang	Fu	ITRI	Hsinchu		Taiwan
Dan	Gal	Lucent Technologies	Whippany	NJ	USA
Pieter-Paul	Giesberts	Motorola	Utrecht		Netherlands
Mariana	Goldhamer	Alvarion	Tel Aviv		Israel
David	Grandblaise	Motorola	Gif sur Yvette		France
Daqing	Gu	NTT DoCoMo	Beijing		China
Genebeck	Hahn	LG Electronics			Korea
Jung Ho	Han	Samsung Electronics Co., Ltd.	Suwon-City	Gyeonggi-do	Korea
Jeff	Harrang	SR Telecom	Redmond	WA	USA
Mike	Hart	Fujitsu	Hayes		UK
Gregory Scott	Henderson	Research In Motion	Irving	TX	USA
Ching-Tarng	Hsieh	ITRI	Hsinchu		Taiwan
Hsien-Tsung	Hsu	Institute for Information Industry	Taipei		Taiwan
Yuan-Ying	Hsu	Telcordia Applied Research Center Taiwan Company	Taipei		Taiwan
Teck	Hu	Siemens Networks LLC	Boca Raton	FL	USA
Wendong	Hu	STMicroelectronics	San Jose	CA	USA
John	Humbert	Sprint	Overland Park	KS	USA
Yerang	Hur	Posdata	Santa Clara	CA	USA
InSeok	Hwang	Samsung Electronics	Suwon	Gyeonggi-do	Korea

Bin-Chul	Ihm	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Tetsu	Ikeda	Motorola Japan Ltd.	Tokyo		Japan
Hyung Joon	Jeon	POSDATA	Seongnam-si,	Gyeong-gi Do	Korea
Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
Brian	Johnson	Texas Instruments	Germantown	MD	USA
Kerstin	Johnsson	Intel	Palo Alto	CA	USA
David	Johnston	NextWave Broadband, Inc.			USA
Panyuh	Joo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Young-Ho	Jung	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Takeo	Kanai	Softbank BB Corp.	Tokyo		Japan
Hyunjeong	Kang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Ted	Kaplan	RKF Engineering, LLC	Washington	DC	USA
Ofer	Kelman	Pointer Telocation Ltd.	Givatayim		Israel
Brian	Kiernan	InterDigital Communications Corp.	King of Prussia	PA	USA
Bong Ho	Kim	Posdata	San Jose	CA	USA
Changkyoon	Kim	Samsung Thales	Yongin	Gyeonggi-do	Korea
Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
Hyung Kee	Kim	Samsung Thales	Yongin-City	Gyeonggi-do	Korea
Hyunjae	Kim	ETRI	Daejeon		Korea
Kyeongsoo	Kim	STMicroelectronics	San Jose	CA	USA
Ronny (Yong-Ho)	Kim	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Sang Youb	Kim	Nortel	Richardson	TX	USA
Sungkyung	Kim	ETRI	Daejeon		Korea
Young-Il	Kim	ETRI			Korea
YoungKyun	Kim	Samsung Electronics Co., Ltd.			Korea

Itzik	Kitroser	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Ali	Koc	Intel Corporation	Hillsboro	OR	USA
Peng-Yong	Kong	Institute for Infocomm Research			Singapore
Changhoi	Koo	Samsung Telecommunication America	Richardson	TX	USA
Havish	Koorapaty	Ericsson Inc.			USA
Gokhan	Korkmaz	Arraycomm	San Jose	CA	USA
Toshiyuki	Kuze	Mitsubishi Electric	Kamakura, Kanagawa		Japan
Byung-Jae	Kwak	ETRI	Daejeon		Korea
Dong Seung	Kwon	ETRI	Daejeon		Korea
Jonathan	Labs	Wavesat	Dorval	PQ	Canada
Jules Pierre	Lamoureux	Wavesat	Dorval (Montreal)	PQ	Canada
Geon Yong	Lee	Samsung Thales	Seoul		Korea
Heesoo	Lee	ETRI			Korea
Hyojin	Lee	ETRI	Daejeon		Korea
Hyun	Lee	ETRI	Daejeon		Korea
Hyunjeong	Lee	Intel	Hillsboro	OR	USA
Jin	Lee	LG Electronics	Anyang	Gyeonggi-do	Korea
Kyu Ha	Lee	Samsung Thales	Yongin	Gyeonggi-do	Korea
Sang-Ho	Lee	ETRI	Daejeon	Chungcheongnam-do	Korea
Yong Su	Lee	ETRI	Daejeon		Korea
Youn-Tai	Lee	Institute for Information Industry	Taipei		Taiwan
Yung-Ting	Lee	Institute for Information Industry	Taipei		Taiwan
Yigal	Leiba	Runcom	Rishon LeZion		Israel

Matty	Levanda	WiNetworks	Herzliyya Pituach		Israel
Jiang	Li	Huawei	Shanghai		China
Jun	Li	Nortel Networks	Richardson	TX	USA
Shaohua	Li	Nokia	Beijing		China
Gaspare	Licitra	Siemens	Milan		Italy
Aeri	Lim	Samsung Electronics Co., Ltd.	Suwon-city	Gyeonggi-do	Korea
Geunhwi	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Hyoung Kyu	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jiezhen	Lin	Siemens	Beijing		China
Tzu-Ming	Lin	ITRI	Hsingchu		Taiwan
Zhibin	Lin	Huawei Technologies CO., Ltd.	Shanghai		China
Michael	Livschitz	Schema	Herzlia		Israel
Titus	Lo	Walbell Technologies, Inc.	Bellevue	WA	USA
Kanchei	Loa	Institute for Information Industry	Taipei		Taiwan
Heinz	Lycklama	ADAPTIX, Inc.	Arlington	WA	USA
Michael	Lynch	Nortel Networks	Richardson	TX	USA
David	Maez	Navini Networks	Richardson	TX	USA
Giovanni	Maggi	Siemens	Cassina de Pecchi		Italy
Shashikant	Maheshwari	Nokia	irving	TX	USA
Ronald	Mao	Huawei Technologies	San Diego	CA	USA
Roger	Marks	NextWave Broadband, Inc.	Denver	CO	USA
Djamal- Eddine	Meddour	France Telecom/ Orange	Lannion		France
Scott	Migaldi	Motorola	Schaumburg	IL	USA
Andreas	Molisch	Mitsubishi Electric Res. Labs	Cambridge	MA	USA

James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Ollivier	Mont-Reynaud	Wavesat Inc.	Dorval	PQ	Canada
Willem	Mulder	Mulder Innova	Houten		Netherlands
JeeHyeon	Na	ETRI	Daejon	Chungcheongnam-do	Korea
Yukimasa	Nagai	Mitsubishi Electric	Kamakura	Kanagawa	Japan
Ayman	Naguib	Qualcomm Inc	Campbell	CA	USA
Kenichi	Nakamura	Fujitsu	Tokyo		Japan
Michiharu	Nakamura	Fujitsu Laboratories Ltd.	Yokosuka	Kanagawa	Japan
Eric	Njedjou	France Telecom			France
Mitsuo	Nohara	KDDI Corporation	Chiyoda-ku	Tokyo	Japan
John	Norin	The DIRECTV Group, Inc.	El Segundo	CA	USA
Paul	Odlyzko	Motorola	Schaumburg	IL	USA
Changyoon	Oh	Samsung Electronics			Korea
Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Masato	Okuda	Fujitsu	Kawasaki	Kanagawa	Japan
David	Paranchych	Nortel	Richardson	TX	USA
DS	Park	Samsung	Suwon	Gyeonggi-do	Korea
Jeongho	Park	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Michael	Park	Qualcomm			Korea
Vijay	Patel	Andrew Corporation	Ashburn	VA	USA
Roger	Peterson	Motorola Labs	Schaumburg	IL	USA
Paul	Piggin	NextWave Broadband, Inc.	San Diego	CA	USA
Robert	Popoli	The DIRECTV Group, Inc.	El Segundo	CA	USA
Darcy	Poulin	SiGe Semiconductor	Ottawa	ON	Canada
Anuj	Puri	Beceem	Santa Clara	CA	USA
Jose	Puthenkulam	Intel Corporation	Hillsboro	OR	USA

nanjian (jeff)	qian	ZTE Communications	San Diego	CA	USA
Hongyun	Qu	ZTE Communications	Shenzhen	Guangdong	China
Arvind	Raghavan	ArrayComm	San Jose	CA	USA
Shyamal	Ramachandran	Motorola Inc.	Maitland	FL	USA
Ranga	Reddy	US Army	Ft. Monmouth	NJ	USA
Fang-Ching	Ren	ITRI	Hsinchu		Taiwan
Maximilian	Riegel	Siemens	Munich		Germany
Philip	Rubin	Philip A. Rubin & Associates	Washington	DC	USA
Herbert	Ruck	Navini Networks	Richardson	TX	USA
Charles	Rush	TMG	Arlington	VA	USA
Kiseon	Ryu	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Aryan	Saed	PMC-Sierra	Burnaby	BC	Canada
Andrew	Sago	BT	Ipswich		UK
Yousuf	Saifullah	Nokia	Irving	TX	USA
Kenji	Saito	KDDI R&D Laboratories Inc.	Yokosuka	Kanagawa	Japan
Sumeet	Sandhu	Intel Corporation	Santa Clara	CA	USA
Ioannis	Sarris	Mitsubishi Electric VIL			UK
Joerg	Schaepperle	Alcatel-Lucent Deutschland AG	Stuttgart		Germany
Gary	Schlanger	IDT Telecom	Newark	NJ	USA
Joseph	Schumacher	Motorola	Arlington Heights	IL	USA
Christian	Seagren	Sprint Nextel	Overland Park	KS	USA
Gamini	Senarath	Nortel	Ottawa	ON	Canada
Jigar	Shah	Scalable Network Technologies	Los Angeles	CA	USA
Ariel	Sharon	Motorola	Schaumburg	IL	USA

Gang	Shen	Alcatel Shanghai Bell	Shanghai	Shanghai	China
Matthew	Sherman	BAE Systems	Wayne	NJ	USA
Hitoshi	Shibayama	Fujitsu Limited	Yokohama	Kanagawa	Japan
Jaejeong	Shim	Samsung Electronics	Suwon-Si	Gyeonggi-do	Korea
D. J.	Shyy	Mitre		DC	USA
James	Simkins	Xilinx	Salt Lake City	UT	USA
Sten	Sjoberg	Ericsson AB	Goteborg		Sweden
Jung Je	Son	Samsung Electronics	Seoul		Korea
Robert	Stafford	NIST/OLES	Boulder	CO	USA
Kenneth	Stanwood	Cygnus Communications	San Diego	CA	USA
David	Steer	Nortel		ON	Canada
Sulyun	Sung	Posdata			Korea
Jaroslav	Sydir	Intel Corporation	Santa Clara	CA	USA
John	Sydor	Communications Research Center	Ottawa	ON	Canada
Mineo	Takai	Scalable Network Technologies	Los Angeles	CA	USA
Yukihiro	Takatani	Hitachi, Ltd.	Kanagawa		Japan
Jeffrey	Tao	Polytechnic University	Brooklyn	NY	USA
Shawn	Taylor	ESM Communications	Calgary	AB	Canada
Koon Hoo	Teo	Mitsubishi Electric	Cambridge	MA	USA
Timothy	Thome	Kyocera Telecommunications Research Corp	San Diego	CA	USA
Wen	Tong	Nortel	Ottawa	ON	Canada
Arnaud	Tonnerre	THALES Communications			France
Shiau-He	Tsai	Ericsson AB	Stockholm		Sweden
Rainer	Ullmann	Wavesat Inc.	Dorval	PQ	Canada

Sunil	Vadgama	Fujitsu Laboratories of Europe Ltd	Hayes	Middlesex	UK
Lucia	Valbonesi	Motorola	Schaumburg	IL	USA
Richard	Van Leeuwen	Motorola	Nieuwegein		Netherlands
Rath	Vannithamby	Intel Corporation	Hillsboro	OR	USA
Muthaiah	Venkatachalam	Intel	Hillsboro	OR	USA
Eyal	Verbin	Airspan	Airport City		Israel
Dorin	Viorel	Fujitsu Microelectronics Canada Inc.	Calgary	AB	Canada
Frederick	Vook	Motorola Labs	Schaumburg	IL	USA
Eero	Wallenius	Nokia	Tampere		Finland
Guo Qiang	Wang	Nortel	Ottawa	ON	Canada
Lei	Wang	NextWave Broadband, Inc.	San Diego	CA	USA
Michael	Wang	Nortel	Richardson	TX	USA
Shu-Shaw	Wang	Nokia	Irving		
Stanley	Wang	Quanta Computer, Inc.			Taiwan
Yanhong	Wang	Huawei Technologies Co., Ltd.	Shanghai		China
Fujio	Watanabe	DoCoMo USA Labs	Palo Alto	CA	USA
Michael	Webb	BRN Phoenix, Inc	Santa Clara	CA	USA
Alfred	Wieczorek	Motorola, Inc.	Plantation	FL	USA
Geng	Wu	Nortel Networks	Richardson	TX	USA
Xuyong	Wu	Huawei	Shenzhen	Guangdong	China
Yingzhe	Wu	Huawei Technologies	San Diego	CA	USA
David	Xiang	Huawei Technologies Co.	San Diego	CA	USA
Kaixin	Xu	Scalable Network Technologies, Inc.	Los Angeles	CA	USA
Ling	Xu	ZTE	Shenzhen	Guangdong	China
Akiyoshi	Yagi	Mitsubishi Electric	Kamakura	Kanagawa	Japan

Hongwei	Yang	Alcatel Shanghai Bell Co., Ltd.	Shanghai		China
Jen-Shun	Yang	ITRI	Hsinchu		Taiwan
Yunsong	Yang	Huawei Technologies	San Diego	CA	USA
Vladimir	Yanover	Alvarion Ltd.	Tel Aviv		Israel
Hua-Chiang	Yin	Institute for Information Industry	Taipei		Taiwan
Hujun	Yin	Intel Corp.	Santa Clara	CA	USA
Chulsik	Yoon	ETRI	Daejeon		Korea
Aeran	Youn	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Masaaki	Yuza	NEC Infrontia	Kawasaki	Kanagawa	Japan
Jinyun	Zhang	Mitsubishi Electric Research Laboratories	Cambridge	MA	USA
Kaibin	Zhang	Alcatel Shanghai Bell Co. Ltd.	Shanghai		China
Yuefeng	Zhou	Fujitsu Laboratories of Europe Ltd	Hayes	Middlesex	UK
Chenxi	Zhu	Fujitsu Labs of America	College Park	MD	USA
Peiying	Zhu	Nortel	Ottawa	ON	Canada

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