APPROVED

IEEE WirelessMAN® 802.16

Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Minutes of IEEE 802.16 Session #38**
Date Submitted	**2005-08-25**
Source(s)	Dean S.K. Chang Voice: +1 408-719-9977 Aperto Networks mailto:dchang@apertonet.com
Re:	IEEE 802.16 Session #38 Minutes (San Francisco, CA)
Abstract	
Purpose	To record minutes of the IEEE 802.16 Working Group's Opening and Closing Plenary meetings.
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.
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 802.16 Patent Policy and Procedures <http://ieee802.org/16/ipr/patents/policy.html>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:chair@wirelessman.org> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.

Minutes of IEEE 802.16 Session #36

IEEE 802.16 Working Group
San Francisco CA
18-21 July 2005

Opening Plenary

Call to Order

Roger Marks called the meeting to order at 1:15 pm, 18 July 2005.

IEEE 802.16 Working Group Officers

Chair: Roger Marks
Vice Chair: Ken Stanwood
Secretary: Dean Chang

802.16 Membership

261 Members
125 Potential Members
102 Official Observers

Attendance

Attendance Sign-In procedure:
Attendance Intervals: 10 [Mon pm; Mon night; Tue am; Tue pm; Tue night; Wed am; Wed pm; Thu am; Thu pm; Thu night]
"Participation" Requirement: 7 intervals
No Attendance Books; electronic only.
Attendance credit 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 Friday 22 July.

Agenda

Motion 1: Phillip Barber , to approve the Opening Plenary Meeting Agenda as presented, 2nd Frank Draper.
Motion 1: approved by unanimous vote by show of voting tokens.

See http://ieee802.org/16/meetings/mtg38/opening.html

Motion 2: Brian Kiernan, to approve Minutes of Session #37 (IEEE 802.16-05/027) and the decisions therein, 2nd Lei Wang.
Motion 2: approved by unanimous voice vote.

Chair's Status Report (IEEE 802.16-05/047)

The Chair presented a report, including rules of operation for the IEEE 802.16 Working Group.

Copyright Procedures

The Chair reviewed copyright procedures and referred to the following link, which covers information regarding copyrights for documents submitted to IEEE 802.16:

http://ieee802.org/16/ipr/copyrights

IEEE-SA Rules (Patents)

The following advice was provided by the Chair:

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.

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

No responses were given regarding this announcement.

IEEE-SA Actions/News

No updates.

Steve Mills, IEEE-SA Standards Board Chair, is present and will be available in an open house this week.

802 PARs under Review

The Contention-Based Protocol Study Group (considering the 3650 MHz – 3700 MHz frequency band in the US) has decided to remove its draft PAR from the 802 EC agenda. This is subject to a decision of the 802.11 WG. If 802.16 has comments, it should proceed to make them in case the PAR goes forward. Without objection, the Licensed Exempt Task Group was authorized to respond to the draft PAR.

802 Plenary Meetings Outside of North America

Discussion of joint interim in London in January 2007

802 P&P Rules

There are many changes under discussion. The situation has become very complex.

802 Architecture Group

Phillip Barber reported.

About 70% of the time was spent on 802.11, since they have been working on things that 802.1 could be working on. 802.11 has been proactive in these areas. Members of 802.1 are not happy that 802.11 is moving beyond the traditional MAC and PHY layers. This issue is still open and under discussion.

There were discussions on Security, CoS/QoS, bridging compatibility, MTU discovery, and mesh.

802 Wireless Architecture Ad Hoc Meeting

Lei Wang reported.

This group discussed two major questions:
*Position on 802.1AM PAR on RF management
*Is there a need to do some work for overall architectural aspects of 802 wireless systems, such as QoS and Handoff.

Possible Closing Plenary Motions:

Motion 1: 802.16 WG to vote in support of 802.1AM PAR at the 802 EC
Motion 2: 802.16 Working Group to support the recommendation made by the 802 Wireless Architectural Ad-Hoc group to form an 802 EC Study Group on 802 architecture issues that address wireless issues.

TGe

Brian Kiernan, Chair, reported.
Ron Murias is the Technical Editor.

See opening report IEEE 802.16e-05/014 for more details.

P802.16e/D9 4th Sponsor Ballot
140 votes received
128 approve
12 disapprove
91.4% approval rating

231 technical comments to review.

The group will work to resolve all comments this week.

Maintenance Task Group

Jon Labs, Chair, reported.
Itzik Kitroser is the Technical Editor.

Sponsor Ballot recirc results on P802.16-2004/Cor1/D3:
135 Approve (84%)
26 Disapprove
7 Abstain
168 Ballots (76.4% out of 220 ballot group members)

Comments received are in IEEE 802.16-05/042
48 commentors
556 comments (6 late)
56 technically binding
135 technically non-binding
365 editorial
Reply comments received IEEE 802.16-05/042r2
27 commentors
638 reply comments

The group will work to resolve comments this week.

The following are two desired closing plenary motions:

Desired Motion #1:
Motion: "To accept the resolutions of comments from Sponsor Ballot 0001008, as recorded in IEEE 802.16-05/042r3, develop Draft P802.16-2004/Cor1/D4 based on those resolutions, and initiate Confirmation Ballot"

Desired Motion #2:
Motion: "To request conditional approval from the LMSC EC to forward P802.16-2004/Cor1/D4 to RevCom

Network Management Task Group

Phillip Barber, Chair, reported.

802.16f looks fairly close to completion. We expect an EC motion for conditional approval to forward to RevCom.

TGC

Gordon Antonello serves as Chair but is not attending this session.
Herbert Ruck is Acting Chair this week, and Techical Editor. He reported for TGC.

Recirculation ballot.
137 people approved and 53 disapproved
72% approval rate therefore ballot fails

The goal of this comment resolution is to move to another recirculation.

Licensed-Exempt Task Group

Mariana Goldhamer, Chair, reported.
Barry Lewis, Vice Chair
Xuyong Wu, Editor
Nader Zein, Secretary

Significant progress was made from Session #37. There are 10 contributions to review this week.

Expect to have a draft standard out of this group at the end of this year. Mariana will put together a schedule.

Multi-Hop Relay Ad Hoc Group

Mitsuo Nohara, Ad Hoc Group Chair, reported.

The group expects to propose the formation of a Study Group to work on Multi-hop Relay networking. See IEEE C802.16-05/013.

Schedule for the Week

The schedule for the week was presented, including meetings from all task groups. See
<http://ieee802.org/16/meetings/mtg38/schedule.html>.

Liaison

IETF (IEEE L802.16-05/041)

Jeff Mandin reported.

The IETF EAP Working Group reviewed P802.16e/D8. A number of comments were made. A TGe security ad hoc will meet to review the comments this week.

ITU-R Report

Jose Costa reported.

Report in IEEE L802.16-05/042 and mentions documents L802.16-05/043 and L802.16-05/044.

A number of actions were completed by ITU-R WP8A, WP9B, and JTG 6-8-9.

These will be reviewed this week with a goal to have a contribution approved at the closing plenary.

802.21

Ronny Kim reported.

802.21's Session #8 was held in Cairns, Queensland, Australia. Two proposals were harmonized to a single proposal which was presented to the group, with 30 voting members. The WG accepted the first working group draft.

802.16 working group members are encouraged to review the draft and provide feedback to 802.21.

Future Sessions

Session #39: 12-15 Sept 2005 Taipei
Arthur Wang presented an update to this proposal, with details about registration, which is now open.

Session #40: 14-17 November 2005: Vancouver, BC, Canada with IEEE 802 Plenary Session

Session #41: 9-12 January 2006: New Delhi, India. Aditya Agrawal will host.

Session #42: 13-16 March 2006: New Orleans, LA, USA with IEEE 802 Plenary Session

Session #43 site selection is scheduled for the Closing Plenary this week. Israel and Korea were suggested.

New Business

None.

Closing

Motion 3: Herbert Ruck , to adjourn the meeting 2nd David Castelow.
Motion 3: carries by unanimous voice vote.

The meeting was adjourned at 4:05pm on 18 July 2005.

Closing Plenary

Call to Order

Roger Marks called the meeting to order at 7:00 pm, 21 July 2005.

Motion 4: Phillip Barber, To delay the closing plenary until 7:45 pm, 2nd Jon Labs.
Motion 4: Carries 7-4.

IEEE 802.16 Working Group Officers

Chair: Roger Marks
Vice Chair: Ken Stanwood
Secretary: Dean Chang

Agenda

See http://ieee802.org/16/meetings/mtg38/closing.html

Motion 5: Mariana Goldhamer, to approve the Closing Plenary Meeting Agenda as presented, 2nd Panyuh Joo.
Motion 5: carries by unanimous voice vote.

License-Exempt Task Group

Mariana Goldhamer, Chair.

The chair reviewed the closing report (IEEE 802.16h-05/016).

A project schedule was presented, indicating completion of the first working group draft in March 2006 and RevCom submittal in March 2007.

The TG prepared comments to the 802.11 Contention-Based Protocol Study Group. However, 802.11 decided to remove the PAR from the 802 EC agenda.

Motion 6: Approve the following text as an 802.16 position for EC meeting on Friday: 802.16 recommends to form a study group in 802.19 to study the feasibility of a standard, addressing 802.16-802.11 coexistence, with respect to 3.65 GHz band, while we expect that the 802.11 SG on 3.65 GHz – CBP will continue its activity. 802.16h will give assistance to the 802.19 for accomplishing this target, 2nd Barry Lewis

Discussion: Was this suggestion approved in 802.19? No, it was not approved. Roger Marks stated that he had asked 802.19 Chair Steve Shellhammer about the formation of a SG on this issue in 802.19 and that Shellhammer stated that no such discussion took place.

Motion 7: Jose Puthenkulam, To table Motion 6: indefinitely, 2nd Phillip Barber
Motion 7: carries by unanimous voice vote

Conformance Task Group

Herbert Ruck, Acting Chair, reported

19 comments
8 technical non binding
11 technical binding
18 accepted, accepted modified or superceded
1 rejected

Motion 8: Approve the contents of the database 802.16-05/043r1 as the resolution of the comments, direct the editor to create new working document P802.16/Conf04./D3, and direct the TGC chair to initiate a letter ballot recirculation, 2nd Shlomo Ovadia
Motion 8: carries by unanimous voice vote

Motion 9: The working group chair should obtain a copy of ISO/IEC 9646-7 for the TGC editor and chair's use by whatever means are appropriate. 2nd Shlomo Ovadia
Motion 9: carries by unanimous voice vote.

Maintenance Task Group

Jon Labs, Chair
Itzik Kitroser, Editor

The chair reviewed the closing report IEEE 802.16maint-05/018.

Database 042r3 was uploaded to the working group directory

The TG reviewed a total of 559 comments, 9 late

There are 26 disapprove comments; now the group is at 16 disapprove which brings the approval from 84% to 90%.

During the report, the following announced a change of vote to Approve:
Mark Cudak

Disapprove is now 15 out of 161 ballots which is 91%.

Motion 10: To accept the resolutions of comments from Sponsor Ballot 0001008, as recorded in
IEEE 802.16-05/042r3, develop draft P802.16-2004/Cor1/D4 based on those resolutions, and initiate a Sponsor Recirculation Ballot
2nd Rainer Ullmann.
Motion 10: carries by unanimous voice vote

Motion 11: To request conditional approval from the LMSC EC to forward P9802.16-2004/Cor1/D4 to RevCom 2nd Jose
Puthenkulam
Motion 11: carries 62-0-7.

Network Management Task Group

Chair Phillip Barber reported (IEEE 802.16netman-05/013r2).

All comments were reviewed for both 802.16f and 802.16g.

The group reviewed the IEEE 802.1AM PAR. The group recommends in favor of the Wireless SG and against the 802.1AM PAR because this disadvantages 802.16 members. We are not considered a "peer."

Motion 12: To submit P802.16f/D6 to the 802 Executive Committee for forward to RevCom for final approval, contingent upon successful completion of a Sponsor Ballot Confirmation Reciruclation, 2nd Panyuh Joo.
Motion 12: carries 68-0-1.

The chair interprets this as a request for conditional approval.

Motion 13: To develop and issue the Draft P802.16f/D6-2005, and initiate a Sponsor Ballot Confirmation recirculation to close around August 11, 2005, 2nd Arthur Wang
Motion 13: carries by unanimous voice vote.

Comments on 802.1AM PAR

Phillip Barber made the following comments for the record:

Differences in measurement method and meaning for PHY connection assessment for different PHYs: PHY matters a great deal
Different deployments of the same PHY require different measurement criteria (fixed versus mobile; LAN versus WAN)
Does not reflect need to interoperate with non-802 networks' performance management systems; systems that may have very different and currently defined criteria
External interworking market needs may be of higher priority, for some 802 WGs, than internal interworking to 802 WGs
A Wireless EC study group would have more time to evaluate the impact to each of the 802 wireless groups

Working Group recommends to the Chair that he vote against the 802.1AM PAR, and support an EC motion to form an EC wireless study group to further study the matter.

Motion 14: Phillip Barber, Working Group recommends to the Chair that he vote against the 802.1AM PAR, and support an EC motion to form an EC wireless study group to further study the matter., 2nd Scott Henderson.
Motion 14: 49-8-0.

Comments by Scott Henderson:
802.1AM will not consider the entire scope of architectural considerations
There needs to be an 802 architecture wireless study group instead.

Task Group e

Brian Kiernan, Chair

The chair reviewed the closing report (IEEE 802.16e-05/016r1).

378 comments were submitted in the ballot recirc.
22 late comments were generated during comment resolution
40 contributions received prior to the meeting
4 new contributions created during comment resolution
Presentation by IETF on TGe security review

The group completed all on time and late comments and associated contributions and all recorded in the comment database on the server.

Motion 15: To accept IEEE 802.16-05/045r2 as the Sponsor Ballot Recirculation comment resolutions, develop Draft P802.16e/D10 based on those resolutions, and initiate Confirmation Recirculation", 2nd Phillip Barber.
Motion 15: carries 92-1-1.

Motion 16: Jose Puthenkulam, to request 802 EC conditional approval to forward 802.16e to RevCom, 2nd Dave Maez.
Motion 16: carries 70-10-3.

Motion 17: Jose Puthenkulam, to authorize the working group and Task Group e chairs to disposition the comments from the 802.16e Sponsor Ballot Confirmation Recirculation without making changes to the draft P802.16e/D10, 2nd Aditya Agrawal.
Motion 17: carries 52-19-7.

Motion (by Jose Puthenkulam) to Rescind Motion #17
Motion to Rescind: carries 57-6-3

Motion 23: Jose Puthenkulam, to authorize the working group and Task Group e chairs to resolve the comments from the 802.16e Sponsor Ballot Confirmation Recirculation, 2nd Phillip Barber
Motion 23: carries 52-0-2.

The following stated, during the report, their intention to vote Approve in the P802.16e Sponsor Ballot:
David Castelow
Ron Murias

Proposed Study Group: "Mobile Multi-hop Mesh/Relay Networking"

Mitsuo Nohara, Ad Hoc Group Chair

The chair reviewed a summary of the meeting.

Motion 18: Mitsuo Nohara, to create a new 802.16 WG study group on Mobile Multi-hop Relay, 2nd Greg Philips.
Motion 18: 77-0-1.

Liaison

ITU-R

Jose Costa reported.

Motion 19: To approve IEEE L802.16-05/043r1 and authorize the WG chair to submit it to the IEEE 802 Executive Committee for approval, with the intent to submit to ITU-R as an IEEE contribution 2nd Wen Tong.
Motion 19: carries 42-0-1.

Motion 20: To approve IEEE L802.16-05/044r1 and authorize the WG Chair to submit it to the IEEE 802 Executive Committee for approval, with the intent to submit to ITU-R as an IEEE contribution, 2nd Greg Phillips.
Motion 20: carries 36-0-0.

IETF EAP

Jeff Mandin reported and reviewed a proposed liaison letter to IETF.

Motion 21: Approve IEEE L802.16-05/42r2 subject to appropriate editorial revision, 2nd Greg Phillips.
Motion 21: carries by unanimous voice vote.

3GPP

Phillip Barber reported.

Joerg Schmidt has volunteered to become the liaison to 3GPP WGS-SA5. However, the WG Chair was concerned because he has not attended an 802.16 session before the current one and is not a member of the WG. Therefore, he did not make the appointment at this time.

802.18

Mike Lynch was in attendance to report. The WG Chair reported discussion in 802.18 regarding in 60 GHz rules in the US.

802.21

Ronny Kim reported and presented a report (IEEE L802.16-05/047)..

Future Sessions

Session #39: 12-15 Sept 2005 Taipei. Host Arthur Wang reviewed the details on this interim session.

Motion 22: Arthur Wang: To authorize the conduct of WG business at Session #39, with or without a formal quorum, 2nd Carl Eklund
Motion 22: carries 42-0-1.

Session #40: 14-17 November 2005: Vancouver, BC, Canada with IEEE 802 Plenary Session

Session #41: New Delhi.
Aditya Agrawal reported that room rated are about $200 per night, and registration fee is now $250 including lunch. These are significantly higher than proposed during site selection.

Session #42 New Orleans, LA, USA with IEEE 802 Plenary Session

Session #43 The WG needs to determine this site tonight. Naftali Chayat presented a proposal to hold the meeting in Israel. No other proposals were made. The dates and city were not specified.

Motion 24: Naftali Chayat, to conduct the May 2006 meeting in Israel sponsored by Alvarion, Naftali will be the host, 2nd Itzik Kitroser
Motion 24 carries by unanimous voice vote.

Straw Poll: Location preference: Eilat 33, Tel Aviv 16, Eilat is the preferred location.

Publicity

Without objection , the Chair was authorized to prepare a Session #38 Report.

IEEE 802 Issues

Many proposed rule changes are under discussion. The WG participants did not raise any comments.

New Business

None.

Closing

Motion 25 : Greg Phillips , to adjourn the meeting 2nd Brian Johnson
Motion 25: carries by unanimous voice vote.

The meeting was adjourned at 12:25am on 22 July 2005.

Attendance List: IEEE 802.16 Session #38
18-21 July 2005 in San Francisco, CA, USA

showing 342 attendees, including 288 with "participation" credit.

Participation Credit	Name \Given	Name\Family	Company	City	State\Province	Country
No	Youssef	Abdelilah	Sandbridgetech	White Plains	NY	USA
Yes	Ray	Abrishami	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Yes	Jon	Adams	Freescale Semiconductor	Tempe	AZ	USA
Yes	Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Yes	Aditya	Agrawal	Beceem Communications	Santa Clara	CA	USA
Yes	Manish	Airy	Texas Instruments	Dallas	TX	USA
Yes	Siavash	Alamouti	Intel	Hillsboro	OR	USA
Yes	Murtaza	Ali	Texas Instruments	Dallas	TX	USA
Yes	Mario	Aliotta	Siemens Mobile Communication	Cassina de Pecchi (MI)		Italy
Yes	Avner	Aloush	Alvarion Ltd.	Tel-Aviv		Israel
Yes	Dov	Andelman	Intel Corp.	Raanana		Israel
Yes	Reza	Arefi	Intel Corp.	Hillsboro	OR	USA
No	Masahito	Asa	Motorola Japan Ltd.	Tokyo		Japan
Yes	Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
Yes	Mark	Austin	Ofcom	London		UK
No	Sanjay	Bakshi	Intel	Hillsboro	OR	USA
Yes	Paul	Ballentine	Freescale Semiconductor	Austin	TX	USA
Yes	Phillip	Barber	Broadband Mobile Technologies	Frisco	TX	USA
No	Farooq	Bari	Cingular Wireless	Redmond	WA	USA
Yes	Kevin	Baum	Motorola Inc.	Schaumburg	IL	USA
Yes	Erez	Ben-Tovim	Comsys communication & signal processing	Ra'anana		Israel
Yes	Izhar	Bentov	Adavcom	San Diego	CA	USA

Yes	Jerome	Bertorelle	SEQUANS Communications	Paris La Défense Cedex		France
Yes	Jerome	Bertorelle	SEQUANS Communications	Paris La Défense Cedex		France
Yes	Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
No	Deepak	Boppana	Altera Corporation			USA
Yes	Achim	Brandt	Siemens	Munich		Germany
Yes	Terri	Brooks	Consultant	Trophy Club	TX	USA
Yes	Thomas	Brown	Fujitsu Network	Richardson	TX	USA
Yes	Rui	Cai	huawei technologies Co,.Ltd	shanghai		china
Yes	Sean	Cai	ZTE Communications	San Diego	CA	USA
Yes	Fraser	Cameron	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Jim	Carlo	Consultant (for Huawei)	Dallas	TX	USA
Yes	David	Castelow	Airspan Communications Ltd	Uxbridge		UK
Yes	Giulio	Cavalli	Siemens Mobile Communication	Cassina de' Pecchi (MI)		Italy
Yes	Jaesun	Cha	ETRI	Daejeon		Korea
Yes	Chan-Byoung	Chae	Samsung Electronics	Suwon		Korea
Yes	Dean	Chang	Aperto Networks	Milpitas	CA	USA
Yes	Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
Yes	R•mi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
Yes	Jennifer	Chen	ZTE San Diego	San Diego	CA	USA
No	Yi-Ming	Chen	Winbond Electronics	Torrance	CA	USA
Yes	Yuehua (Lucy)	Chen	Huawei Technologies Co., Ltd.	Beijing		China
Yes	Aik	Chindapol	Siemens	Princeton	NJ	USA
Yes	Hua (Mary)	Chion	ZTE Communications	San Diego	CA	USA
Yes	Jaehee	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Jaeweon	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Seijei	Cho	samsung	suwon-city	Gyeonggi-do	Korea

Yes	Seokheon	Cho	ETRI	Daejeon		Korea
Yes	Hyoung-Jin	Choi	TTA	Seongnam	Gyeonggi-do	Korea
Yes	Joonsang	Choi	Posdata America R&D center	Santa Clara	CA	USA
Yes	Yang-Seok	Choi	Intel	Hillsboro	OR	USA
Yes	Yun	Choi	Intel Corporation	Seoul		Korea
Yes	Hunglin	Chou	ITRI	Hsinchu		Taiwan
Yes	Joey	Chou	Intel Corp.	Chandler	AZ	USA
Yes	Kue	Chun	NASA	Cleveland	OH	USA
Yes	Jin Yong	Chung	SOLiD Technologies	Seoul		Korea
Yes	Yun Won	Chung	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Jos•	Costa	Nortel Networks	Ottawa	ON	Canada
Yes	Mark	Cudak	Motorola Inc.	Schaumburg	IL	USA
Yes	Shujun	Dang	Huawei Technologies	Beijing		China
Yes	Udayan	Dasgupta	Texas Instruments	Dallas	TX	USA
Yes	Sorin	Davidovici	Intel	Oceanport	NJ	USA
Yes	Alexey	Davydov	Intel	Nizhny Novgorod		Russia
Yes	W. Carl	Day	Harris Microwave Communications Division	Morrisville	NC	usa
Yes	Joël	Demarty	Sequans Comm.	Paris 19		France
Yes	Pascale	Diaine	France Telecom R&D	South San Francisco	CA	USA
Yes	Wim	Diepstraten	Motorola	Nieuwegein	Utrecht	The Netherlands
Yes	Xiaolu	Dong	China Academy of Telecommunication Research, MII	Beijing		China
No	Frank	Draper	Wavesat	Dorval	PQ	Canada
Yes	Lester	Eastwood	Motorola Inc.	Schaumburg	IL	USA
Yes	Tomas	Edler	Ericsson AB	Kista		Sweden
No	Bill	Edwards	MCI	Vienna	VA	USA
Yes	Carl	Eklund	Nokia Inc.	Helsinki		Finland
Yes	Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel
No	Roger	Eline	Intel Corp.	San Jose	CA	USA
Yes	Frederick	Enns	Consultant	Menlo Park	CA	USA

Yes	Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Yes	Shijun (James)	Fan	ZTE San Diego	San Diego	CA	USA
No	Peretz	Feder	Lucent Technologies	Whippany	NJ	USA
Yes	Dazi	Feng	ZTE San Diego	San Diego	CA	USA
Yes	Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
Yes	Vafa	Ghazi	CoWare Inc.	Seattle	WA	USA
Yes	Pieter-Paul	Giesberts	Motorola	Utrecht		Netherlands
No	Steven	Goldberg	Venrock	Menlo Park	CA	USA
Yes	Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Yes	Reza	Golshan	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
Yes	David	Grandblaise	Motorola Labs	Gif sur Yvette		France
Yes	John	Grogan	picoChip Designs Ltd	Bath		UK
Yes	Srikanth	Gummadi	Cygnus Communications	Carlsbad	CA	USA
Yes	Qiang	Guo	Motorola, Inc.	Libertyville	IL	USA
No	Zion	Hadad	Runcom Technologies Ltd.	Rishon Le Zion		Israel
No	Neil	Hamady	Hellosoft	San Jose	CA	USA
Yes	Jun	Han	ZTE Communications	San Diego	CA	USA
Yes	Jung Ho	Han	Samsung Electronics, Co., Ltd.	Suwon-City	Gyeonggi-do	Korea
Yes	Seishi	Hanaoka	Hitachi, Ltd.	Tokyo		Japan
Yes	Chris	Hansen	Intel Corporation	Hillsboro	OR	USA
Yes	Jeff	Harrang	SR Telecom	Redmond	WA	USA
Yes	Mike	Hart	Fujitsu	Hayes	Middx	UK
Yes	Haixiang	He	Nortel Networks	Billerica	MA	USA
Yes	Peng	He	CTTL, China Academy of Telecommunication Research, MII	Beijing		China
Yes	Gregory	Henderson	Research In Motion	Irving	TX	USA
No	Dan	Hilberman	eXS Inc.	San Mateo	CA	USA

Yes	Michael	Hoghooghi	Freescale Semiconductor, Inc.	Austin	TX	USA
Yes	David	Holmes	Clearwire	Kirkland	WA	USA
Yes	Chang-Lung	Hsiao	M300, CCL/ITRI	Chutung, Hsinchu		Taiwan
Yes	Haiming	Huang	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Benjamin	Hui	ZTE San Diego	San Diego	CA	USA
Yes	John	Humbert	Sprint	Overland Park	KS	USA
Yes	Yerang	Hur	Posdata America R&D Center	Santa Clara	CA	USA
Yes	Inseok	Hwang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Ju-Chul	Hwang	LG Electronics	Anyang-shi	Gyeonggi-do	Korea
Yes	Luke	Ibbetson	Vodafone Group	Newbury	Berk	UK
Yes	Bin-Chul	Ihm	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Avinash	Jain	Qualcomm Inc.	San Diego	CA	USA
Yes	Rehan	Jalil	Aperto Networks	Milpitas	CA	USA
No	Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
Yes	Yong Seok	Jin	LG Electronics Inc.	Anyang		Korea
No	Brian	Johnson	Texas Instruments	Germantown	MD	USA
No	Panyuh	Joo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Young-Ho	Jung	Samsung AIT	Suwon-si	Gyeonggi-do	Korea
Yes	Takeo	Kanai	Softbank BB Corp.	Tokyo		Japan
Yes	Hyunjeong	Kang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Emmanuel	Kanterakis	Intel Corporation	North Brunswick	NJ	USA
Yes	Ivy	Kelly	Sprint	Overland Park	KS	USA
Yes	Ofer	Kelman	Airspan	Lod		Israel
No	Kethees	Ketheesan	Alai Wireless	San Francisco	CA	USA
Yes	Alexey	Khoryaev	Intel	Nizhny Novgorod		Russia
Yes	Brian	Kiernan	InterDigital Communications Corp.	King of Prussia	PA	USA
Yes	Beomjoon	Kim	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Byoung-Jo	Kim	AT&T Labs-Research	Middletown	NJ	USA

Yes	Chong-Kwon	Kim	Seoul National University	Seoul		Korea
Yes	Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
Yes	Jaehyeong	Kim	Posdata	Santa Clara	CA	USA
Yes	Jaeyoel	Kim	Samsung Electronics	Suwon		Korea
Yes	Jung Won	Kim	Samsung Electronics	Seoul		Korea
Yes	Junhyung	Kim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Ronny (Yong-Ho)	Kim	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
No	Will	Kim		San Jose	CA	USA
Yes	Youngho	Kim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Youngkyun	Kim	Samsung Electronics Co., Ltd.			Korea
Yes	Itzik	Kitroser	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Changhoi	Koo	Samsung Telecommunication America	Richardson	TX	USA
Yes	Havish	Koorapaty	Ericsson Inc.			USA
Yes	Yoko	Kurosawa	KDDI Corporation	Tokyo		Japan
Yes	Toshiyuki	Kuze	Mitsubishi Electric	Kamakura, Kanagawa		Japan
Yes	Dongseung	Kwon	ETRI	Daejeon		Korea
Yes	Jonathan	Labs	Wavesat Inc.	Dorval	PQ	Canada
Yes	Ming-Yee	Lai	Telcordia	Red Bank	NJ	USA
Yes	Kari	Laihonen	TeliaSonera	Helsinki		Finland
No	Vincent	Lau	Hong Kong University of Science and Technology	Kowloon	Hong Kong	Hong Kong
Yes	Guillaume	Lebrun	France Telecom	Cesson Sevigne Cedex		France
Yes	Chang-Jae	Lee	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Geunho	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Jae Hak	Lee	SOLiD Technologies, Inc.	Seoul		Korea
No	Jicheol	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Mihyun	Lee	Samsung Electronics	suwon-si	Gyeonggi-do	Korea

Yes	Sang-ho	Lee	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Sungjin	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Taeyong	Lee	ETRI	Daejeon	Daejeon	Korea
Yes	Emmanuel	Lemois	sequans communications	Paris La Defense		France
Yes	Gilbert	Leung	Qualcomm, Inc.	San Diego	CA	USA
Yes	Barry	Lewis	Redline Communications Inc.	Lightwater	Surrey	UK
Yes	Jia-Ru	Li	Extreme Networks	Santa Clara	CA	USA
Yes	Jiang	Li	Huawei Technologies Co., Ltd.	Shanghai		China
Yes	Kemin	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Li	Li	Huawei Technologies Co., Ltd.	Shen Zhen	Guang Dong	China
Yes	Tao	Li	FutureWei	Santa Clara	CA	USA
Yes	Thomas	Li	Huawei Technologies	Santa Clara	CA	USA
Yes	Wei	Li	China Academy of Telecommunication Research, MII	Beijing		China
Yes	Xiaodong	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Yongmao	Li	Huawei Technology	Shanghai		China
No	Li	Li Wenzhen	OKI Techno Centre (Singapore)	Singapore		Singapore
Yes	Gaspare	Licitra	Siemens	Milan		Italy
Yes	Aeri	Lim	Samsung Electronics Co.	Suwon-city	Gyeonggi-do	Korea
Yes	Geunhwi	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Hyoung Kyu	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Hyoungsoo	Lim	ETRI	Daejeon		Korea
No	Kwangjae	Lim	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Sun Ju	Lim	LG electronics inc.	Anyang-shi	Gyeonggi-do	Korea

Yes	Erik	Lindskog	Beceem Communications, Inc.	Santa Clara	CA	USA
No	Hong	Liu	Microsoft Corp	Redmond	WA	USA
No	Valentino	Liva	EuramNet	Los Altos	CA	USA
Yes	Titus	Lo	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Heinz	Lycklama	Adaptix, Inc.	Arlington	WA	USA
Yes	Steve	Ma	Freescale Semiconductors	Austin	TX	USA
Yes	David	Maez	Navini Networks	Richardson	TX	USA
Yes	David	Maidment	picoChip Designs Ltd	Bath		UK
Yes	Mahesh	Makhijani	Ericsson	San Diego	CA	USA
Yes	Jeffrey	Mandin	Streetwaves Networking	Jerusalem		Israel
No	Hiroshi	Mano	Root Inc	Bunkyo-ku	Tokyo	Japan
Yes	Roger	Marks	NIST	Boulder	CO	USA
Yes	Asaf	Matatyaou	ArrayComm	San Jose	CA	USA
Yes	David	McGinniss	Sprint	Naperville	IL	USA
Yes	Nir	Metzer	Intel copr.	Nes-Ziona		Israel
Yes	Scott	Migaldi	Motorola Inc.	Schaumburg	IL	USA
No	James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Yes	Ollivier	Mont-Reynaud	Wavesat Inc.	Dorval	PQ	Canada
Yes	Roland	Muenzner	Alcatel SEL AG	Stuttgart		Germany
No	Willem	Mulder	Mulder Innova	Houten		Netherlands
Yes	Fumio	Murakami	Japan Radio Co., Ltd	Mitaka	Tokyo	Japan
No	Kazuhiro	Murakami	Kyocera	Machida	Tokyo	Japan
Yes	Ronald	Murias	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Sean	Murphy	University College Dublin	Dublin		Ireland
Yes	Jeehyeon	Na	ETRI	Daejeon	Chungcheongnam-do	Korea
No	Seung Hoon	Nam	Samsung AIT	Yongin	Gyeonggi-do	Korea
Yes	K.S.	Natarajan	Motorola Inc.	Arlington Heights	IL	USA
No	Put Fan	Ng	Rogers Wireless Inc.	Toronto	ON	Canada

Yes	Julien	Nicolas	Kyocera Telecommunications Research Corp.	San Diego	CA	USA
Yes	Mitsuo	Nohara	KDDI R&D Laboratories, Inc.	Kamifukuoka	Saitama	Japan
No	Sean	O'hara	National Public Safety Telecomunications Council / via Syracuse Research Corporation	North Syracuse	NY	USA
Yes	Paul	Odlyzko	Motorola Inc.	Schaumburg	IL	USA
Yes	Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Masoud	Olfat	Nextel Communications	Reston	VA	USA
Yes	Alan	Or	ZTE	San Diego	CA	USA
Yes	Pinar	Ormeci	QUALCOMM INC	SAN DIEGO	CA	USA
Yes	Shlomo	Ovadia	Intel Corp.	Santa Clara	CA	USA
Yes	Mike	Paff	Paff Engineering	Los Altos	CA	USA
Yes	Apostolos	Papathanasiou	Intel	Vancouver, BC	BC	Canada
Yes	David	Paranchych	Nortel	Richardson	TX	USA
No	Dave	Pauluzzi	PMC-Sierra	Burnaby	BC	Canada
Yes	Dave	Pechner	ArrayComm, Inc.	San Jose	CA	USA
Yes	Roger	Peterson	Motorola	Scahumburg	IL	USA
Yes	Bonnie	Petti	TRSG	Reno	NV	USA
Yes	Greg	Phillips	AirTegrity Wireless, Inc.	Stateline	NV	USA
Yes	Paul	Piggin	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Ambroise	Popper	Sequans Communications	Paris		France
Yes	Jeff	Poston	MITRE	McLean	VA	USA
Yes	Darcy	Poulin	SiGe Semiconductor	Ottawa	ON	Canada
Yes	Michael	Probasco	Nokia	Irving	TX	USA
Yes	Jose	Puthenkulam	Intel Corp.	Hillsboro	OR	USA
Yes	Jeff	Qian	ZTE San Diego, Inc.	San Diego	CA	USA
Yes	Hongyun	Qu	ZTE	Shenzhen	Guangdong	China
Yes	Arvind	Raghavan	ArrayComm	San Jose	CA	USA
Yes	Shyamal	Ramachandran	Motorola, Inc.	Maitland	FL	USA

Yes	Kamlesh	Rath	Beceem Communications	Santa Clara	CA	USA
Yes	Walter	Rausch	Sprint	Overland Park	KS	USA
Yes	Frank	Rayal	Redline Communications Inc.	Markham	ON	Canada
Yes	Leonid	Razoumov	Intel	Woodbridge	NJ	USA
No	Joseph	Reddy	Figure 8 Wireless	San Diego	CA	USA
Yes	Anthony	Reid	Nokia	Irving	TX	USA
Yes	Fang-Chi Ng	Ren	Industrial Technology Research Institutes	Hsinchu	Taiwan	Taiwan
Yes	Francis	Retnasothie	CableTV Technology Inc.	Toronto	ON	Canada
Yes	Douglas	Reudink	Adaptix, Inc.	Seattle	WA	USA
No	Maximilian	Riegel	Siemens	Munich		Germany
No	Zeev	Roth	Alvarion	Tel Aviv		ISRAEL
Yes	Herbert	Ruck	Navini Networks	Richardson	TX	USA
No	Mike	Rudowicz	Motorola, Inc.	Plantation	FL	USA
Yes	Charles	Rush	TMG	Arlington	VA	USA
Yes	Kiseon	Ryu	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
No	Andrew	Sago	BT	Ipswich	Suffolk	UK
Yes	Yousuf	Saifullah	Nokia	Irving	TX	USA
Yes	Kenji	Saito	KDDI R&D Laboratories Inc.	Yokosuka	Kanagawa	Japan
No	Avril	Salter	intel	santa clara	CA	USA
No	Kazuma	Sato	Toyota-ITC	Palo Alo	CA	USA
Yes	Brett	Schein	Beceem Communications	Santa Clara	CA	USA
Yes	Gary	Schlanger	IDT Telecom	Newark	NJ	USA
Yes	Joerg	Schmidt	Motorola	Chandler	AZ	USA
Yes	Gregory	Schumacher	Nextel Communications	Reston	VA	USA
No	Yossi	Segal	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	N.K.	Shankaranarayanan	AT&T Labs-Research	Florham Park	NJ	USA
Yes	Gang	Shen	Alcatel Shanghai Bell	Shanghai	Shanghai	China

Yes	Yabing	Shen	ZTE San Diego	San Diego	CA	USA
Yes	Matthew	Sherman	BAE Systems, CNIR	Wayne	NJ	USA
Yes	David	Shively	Cingular Wireless	Atlanta	GA	USA
No	Dongjye	Shyy	MITRE	McLean	VA	USA
Yes	James	Simkins	Xilinx	Salt Lake City	UT	USA
Yes	Sten	Sjoberg	Ericsson AB	Goteborg		Sweden
Yes	Clare	Somerville	picoChip Designs Limited	Bath		UK
No	Jung Je	Son	Samsung Electronics	Seoul		Korea
Yes	Yeong Moon	Son	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
No	Robert	Stafford	ITS	Boulder	CO	USA
Yes	Kenneth	Stanwood	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Kenneth	Stewart	Motorola	Libertyville	IL	USA
Yes	Kyungjoo	Suh	samsung	suwon-city	Gyeonggi-do	Korea
Yes	Zhenge	Sun	ZTE USA	Richardson	TX	USA
Yes	Thomas	Svantesson	ArrayComm	San Jose	CA	USA
No	John	Sydor	Communications Research Centre	Ottawa	ON	Canada
Yes	Xiangguo	Tang	FutureWei Technologies	Santa Clara	CA	USA
Yes	Kazuki	Tani	KDDI Corporation	Tokyo		Japan
Yes	Mark	Thomas	Airspan Networks	Uxbridge		UK
No	Richard	Thomas	Lattice Semiconductor UK Limited	Chippenham	Wiltshire	UK
Yes	Wen	Tong	Nortel Networks	Ottawa	ON	Canada
Yes	Shiau-He Shawn	Tsai	Ericsson	San Diego	CA	USA
Yes	Rainer	Ullmann	Wavesat Inc.	Dorval	PQ	Canada
Yes	David	Urban	Comcast	Philadelphia	PA	USA
Yes	Sunil	Vadgama	Fujitsu Laboratories of Europe Ltd	Hayes, Middlesex		UK
Yes	Mano	Vafai	Aperto Networks	Milpitas	CA	USA
Yes	Lucia	Valbonesi	Motorola	Schaumburg	ID	USA
Yes	Richard	Van Leeuwen	Motorola	Nieuwegein		The Netherlands

Yes	Dorin	Viorel	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Arthur	Wang	LinQuest	Buena Park	CA	USA
Yes	Fan	Wang	Motorola Inc.	Arlington Heights	IL	USA
Yes	Guo Qiang	Wang	Nortel Networks	Ottawa	ON	Canada
Yes	Irving	Wang	ZTE Communications	San Diego	CA	USA
Yes	Jing	Wang	ZTE Dan Diego	San Deiggo	CA	USA
No	Lei	Wang	Cygnus Multimedia Communications	Carlsbad	CA	Canada
No	Lisa	Ward	Rohde & Schwarz	Beaverton	OR	USA
Yes	William	Waung	Sierra Wireless Inc	Richmond	BC	Canada
Yes	Mattias	Wennstrom	Huawei Technologies	Kista	Stockholm	Sweden
No	Alfred	Wieczorek	Motorola, Inc.	Plantation	FL	USA
Yes	Kitti	Wongthavarawat	National Electronics and Computer Technology Center	Pathumthani		Thailand
Yes	Brian	Wright	Fujitsu Network Communications	Richardson	TX	USA
Yes	Jun	Wu	ZTE San Diego	San Diego	CA	USA
Yes	Xuyong	Wu	huawei	Shenzhen	Guangdong	China
Yes	Yingzhe	Wu	Ericsson	San Diego	CA	USA
Yes	Janice	Wunsch	Lucent Technologies	Naperville	IL	USA
Yes	David	Xiang	Huawei	San Diego	CA	USA
Yes	Ling	Xu	ZTE	ShenZhen	Guangdong	China
Yes	Shanshan	Xu	Intel	Hillsboro	OR	USA
Yes	Hassan	Yaghoobi	Intel Corp.	Santa Clara	CA	USA
Yes	Fu	Yan	Huawei inc.	Shenzhen	Guangdong	China
No	Hong-Kui	Yang	Via Telecom	San Diego	CA	USA
Yes	Weidong	Yang	Navini Networks	Richardson	TX	USA
Yes	Yunsong	Yang	ZTE San Diego, Inc.	San Diego	CA	USA
Yes	Ran	Yaniv	Alvarion Ltd.	Tel Aviv		Israel
Yes	Vladimir	Yanover	Alvarion Ltd.	Tel Aviv		Israel
Yes	Hujun	Yin	Intel Corp.	santa clara	CA	USA
Yes	Aeran	Youn	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Jungnam	Yun	Posdata	Santa Clara	CA	USA
Yes	Mi-Young	Yun	ETRI	Daejeon	Chungcheongnam-do	Korea

Yes	Masaaki	Yuza	NEC Infrontia Corporation			Tokyo	Japan
Yes	Nader	Zein	NEC	London			UK
No	Steve	Zeng	Self-owned	Sunnyvale	CA		USA
Yes	Jianzhong	Zhang	Nokia	Irving	TX		USA
No	Jinyun	Zhang	Mitsubishi Electric Research Lab	Cambridge	MA		USA
Yes	Wenfeng	Zhang	ZTE San Diego Inc. (ZiMax)	San Diego	CA		USA
Yes	Wenzhong	Zhang	ZTE Communications	San Diego	CA		USA
Yes	Zhijian	Zhang	ZTE San Diego	San Diego	CA		USA
Yes	Meng	Zhao	ZTE	Shenzhen	Guangdong		China
No	Yi	Zhao	Futurewei Technologies Inc.	Plano	TX		USA
Yes	Ruobin	Zheng	huawei	Shenzhen	Guangdong		China
Yes	Qun	Zhou	ZTE San Diego	San Diego	CA		USA
Yes	Chenxi	Zhu	Fujitsu Labs of America	College Park	MD		USA
Yes	Jingning	Zhu	Huawei Technologies Co., Ltd.	Shanghai			China
Yes	Keqiang	Zhu	ZTE San Diego	San Diego	CA		USA
Yes	Peiying	Zhu	Nortel Networks	Ottawa	ON		Canada
Yes	Yongjin	Zhu	Huawei Technologies	Shenzhen	Guangdong		China
Yes	Ilan	Zohar	Intel Corp.	Givatatym			Israel
Yes	Lan	Zou	Huawei	Shanghai			China
Yes	Ning	Zou	Intel (China) Ltd.	Beijing 100020			China

+No record of registration.

The IEEE 802.16 Working Group on Broadband Wireless Access Standards

IEEE 802.16 Members

Updated: 2005-08-13

Number of members: 342

Name \Given	Name\Family	Company	City	State\Province	Country
Bernard	Aboba				
Ray	Abrishami	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Jon	Adams	Freescale Semiconductor	Tempe	AZ	USA
Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Aditya	Agrawal	Beceem Communications	Santa Clara	CA	USA
Baraa	Al-Dabagh	Intel Corp.	San Jose	CA	USA
Siavash	Alamouti	Intel	Hillsboro	OR	USA
Murtaza	Ali	Texas Instruments	Dallas	TX	USA

Mario	Aliotta	Siemens Mobile Communication	Cassina de Pecchi (MI)		Italy
Avner	Aloush	Alvarion Ltd.	Tel-Aviv		Israel
Dov	Andelman	Intel Corp.	Raanana		Israel
Gordon	Antonello	Wi-LAN Inc.	Calgary	AB	Canada
Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
Mark	Austin	Ofcom	London		UK
Eli	Avivi	WaveIP	Yokneam		Israel
Ravi	Ayyr	ZTE San Diego	Plano	TX	USA
Sung Kwan	Baek	Posdata	Seoul	Gyeonggi-do	Korea
Raja	Banerjea	Proxim Corporation	Sunnyvale	CA	USA
Phillip	Barber	Broadband Mobile Technologies	Frisco	TX	USA
Kevin	Baum	Motorola Inc.	Schaumburg	IL	USA
Izhar	Bentov	Adavcom	San Diego	CA	USA
Rajesh	Bhalla	ZTE Communications	San Diego	CA	USA
Yufei	Blankenship	Motorola	Schaumburg	IL	USA
Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Terri	Brooks	Consultant	Trophy Club	TX	USA
Thomas	Brown	Fujitsu Network	Richardson	TX	USA
Sean	Cai	ZTE Communications	San Diego	CA	USA
Jim	Carlo	Consultant (for Huawei)	Dallas	TX	USA
David	Castelow	Airspan Communications Ltd	Uxbridge		UK
Giulio	Cavalli	Siemens Mobile Communication	Cassina de' Pecchi (MI)		Italy
Jaesun	Cha	ETRI	Daejeon		Korea
Chan-Byoung	Chae	Samsung Electronics	Suwon		Korea
John	Chan	Wi-LAN Inc.	Calgary	AB	Canada

Dean	Chang	Aperto Networks	Milpitas	CA	USA
Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Sungcheol	Chang	ETRI	Daejeon		Korea
Yong	Chang	Samsung Electronics	SuwonSi		Korea
Jim	Chao	Lucent Technologies	Naperville	IL	USA
Todd	Chauvin	ArrayComm, Inc.	San Jose	CA	USA
Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
R•mi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
Jennifer	Chen	ZTE San Diego	San Diego	CA	USA
Tao	Chen	Qualcomm Inc.	San Diego	CA	USA
Yuehua (Lucy)	Chen	Huawei Technologies Co., Ltd.	Beijing		China
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
Seijei	Cho	samsung	suwon-city	Gyeonggi-do	Korea
Seokheon	Cho	ETRI	Daejeon		Korea
Hyoung-Jin	Choi	TTA	Seongnam	Gyeonggi-do	Korea
Joonsang	Choi	Posdata America R&D center	Santa Clara	CA	USA
Yang-Seok	Choi	Intel	Hillsboro	OR	USA
Joey	Chou	Intel Corp.	Chandler	AZ	USA
Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Jin Yong	Chung	SOLiD Technologies	Seoul		Korea

Kyuhyuk	Chung	LG Electronics Inc.	Anyangsi	Gyeonggi-do	Korea
Yun Won	Chung	ETRI	Daejeon	Chungcheongnam-do	Korea
Jos•	Costa	Nortel Networks	Ottawa	ON	Canada
Guy	Cote	Wavesat Inc.	Dorval	PQ	Canada
Mark	Cudak	Motorola Inc.	Schaumburg	IL	USA
Shujun	Dang	Huawei Technologies	Beijing		China
Sorin	Davidovici	Intel	Oceanport	NJ	USA
Joël	Demarty	Sequans Comm.	Paris 19		France
Pascale	Diaine	France Telecom R&D	South San Francisco	CA	USA
Wim	Diepstraten	Motorola	Nieuwegein	Utrecht	The Netherlands
Lakshminath	Dondeti				
Xiaolu	Dong	China Academy of Telecommunication Research, MII	Beijing		China
Frank	Draper	Wavesat	Dorval	PQ	Canada
Lester	Eastwood	Motorola Inc.	Schaumburg	IL	USA
Tomas	Edler	Ericsson AB	Kista		Sweden
Carl	Eklund	Nokia Inc.	Helsinki		Finland
Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel
Roger	Eline	Intel Corp.	San Jose	CA	USA
Oren	Elkayam	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Frank	Exeler	Siemens AG	Bocholt		Germany
Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Shijun (James)	Fan	ZTE San Diego	San Diego	CA	USA
Yonggang	Fang	ZTE San Diego	San Diego	CA	USA
Peretz	Feder	Lucent Technologies	Whippany	NJ	USA
Dazi	Feng	ZTE San Diego	San Diego	CA	USA

Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
Bogdan	Franovici	Redline Communications	Markham	ON	Canada
Avraham	Freedman	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
Mike	Geipel	Axxcelera	Richmond	VA	USA
Vafa	Ghazi	CoWare Inc.	Seattle	WA	USA
Amitabha	Ghosh	Motorola, Inc.	Arlington Heights	IL	USA
Pieter-Paul	Giesberts	Motorola	Utrecht		Netherlands
Nikhil	Goel	nex-G Systems	Singapore		Singapore
Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Reza	Golshan	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
David	Grandblaise	Motorola Labs	Gif sur Yvette		France
Jin	Guo	Qualcomm Inc.	San Diego	CA	USA
Qiang	Guo	Motorola, Inc.	Libertyville	IL	USA
Zion	Hadad	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yung	Hahn	Intel Corporation	Hillsboro	OR	USA
Jun	Han	ZTE Communications	San Diego	CA	USA
Jung Ho	Han	Samsung Electronics, Co., Ltd.	Suwon-City	Gyeonggi-do	Korea
Seishi	Hanaoka	Hitachi, Ltd.	Tokyo		Japan
Chris	Hansen	Intel Corporation	Hillsboro	OR	USA
Jeff	Harrang	SR Telecom	Redmond	WA	USA
Haixiang	He	Nortel Networks	Billerica	MA	USA
Peng	He	CTTL, China Academy of Telecommunication Research, MII	Beijing		China

Gregory	Henderson	Research In Motion	Irving	TX	USA
Michael	Hoghooghi	Freescale Semiconductor, Inc.	Austin	TX	USA
David	Holmes	Clearwire	Kirkland	WA	USA
Chang-Lung	Hsiao	ITRI	Chutung, Hsinchu		Taiwan
Haiming	Huang	Walbell Technologies, Inc.	Bellevue	WA	USA
Peter	Huang	ZTE Communications	Shenzhen		China
Zhaoyun (Laura)	Huang	Nortel Networks	Germantown	MD	USA
Benjamin	Hui	ZTE San Diego	San Diego	CA	USA
John	Humbert	Sprint	Overland Park	KS	USA
Yerang	Hur	Posdata America R&D Center	Santa Clara	CA	USA
Inseok	Hwang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Luke	Ibbetson	Vodafone Group	Newbury	Berk	UK
Bin-Chul	Ihm	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Prakash	Iyer	Intel Corp.	Beaverton	OR	USA
Avinash	Jain	Qualcomm Inc.	San Diego	CA	USA
Jiho	Jang	Samsung Electronics	Suwon	Gyeonggi-Do	Korea
Jaeho	Jeon	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
Yong Seok	Jin	LG Electronics Inc.	Anyang		Korea
Brian	Johnson	Texas Instruments	Germantown	MD	USA
David	Johnston	Intel Corp.	Hillsboro	OR	USA
Panyuh	Joo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Young-Ho	Jung	Samsung AIT	Suwon-si	Gyeonggi-do	Korea

Tal	Kaitz	Alvarion Ltd.	Tel Aviv		Israel
Ravi	Kalavakunta	Qualcomm Inc.	San Diego	CA	USA
Hyunjeong	Kang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Samuel	Kang	Intel Corp. (Korea)	Seoul	Gyeonggi-do	Korea
Emmanuel	Kanterakis	Intel Corporation	North Brunswick	NJ	USA
Ivy	Kelly	Sprint	Overland Park	KS	USA
Ofer	Kelman	Airspan	Lod		Israel
Adam	Kerr		Redwood City	CA	USA
Brian	Kiernan	InterDigital Communications Corp.	King of Prussia	PA	USA
Beomjoon	Kim	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Bong Ho	Kim	Posdata	San Jose	CA	USA
Byoung-Jo	Kim	AT&T Labs-Research	Middletown	NJ	USA
Chong-Kwon	Kim	Seoul National University	Seoul		Korea
Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
Jaehyeong	Kim	Posdata	Santa Clara	CA	USA
Jaeyoel	Kim	Samsung Electronics	Suwon		Korea
JaeYoung	Kim	Intel/iKRC	Seoul		Korea
Jeong-Heon	Kim	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Jeonghwi	Kim	KT Corp.	Seoul		Korea
Jung Won	Kim	Samsung Electronics	Seoul		Korea
Min Sung	Kim	KT/Convergence lab.	Seoul		Korea
Ronny (Yong-Ho)	Kim	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea

Yong Bum	Kim	KT Corp	Sungnam-city	Gyeonggi-do	Korea
Youngho	Kim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Youngkyun	Kim	Samsung Electronics Co., Ltd.			Korea
Itzik	Kitroser	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Chris	Knudsen	Intel Corp.	Hillsboro	OR	USA
Changhoi	Koo	Samsung Telecommunication America	Richardson	TX	USA
Havish	Koorapaty	Ericsson Inc.			USA
Lalit	Kotecha	Verizon Wireless	Walnut Creek	CA	USA
Denesh	Krishnasamy	Logus Broadband Wireless	Toronto	ON	Canada
Yoko	Kurosawa	KDDI Corporation	Tokyo		Japan
Toshiyuki	Kuze	Mitsubishi Electric	Kamakura, Kanagawa		Japan
Dongseung	Kwon	ETRI	Daejeon		Korea
Margaret	LaBrecque	Intel Corp.			USA
Jonathan	Labs	Wavesat Inc.	Dorval	PQ	Canada
Ming-Yee	Lai	Telcordia	Red Bank	NJ	USA
Kari	Laihonen	TeliaSonera	Helsinki		Finland
Jules Pierre	Lamoureux	Wavesat Inc.	Dorval (Montreal)	PQ	Canada
Guillaume	Lebrun	France Telecom	Cesson Sevigne Cedex		France
Chang-Jae	Lee	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Chi-Chen	Lee	ITRI	Chutung		Taiwan
Geunho	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jae Hak	Lee	SOLiD Technologies, Inc.	Seoul		Korea

IEEE 802.16 Members

Seong Choon	Lee	KT Corp.	Seoul		Korea
Sungjin	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Taeyong	Lee	ETRI	Daejeon	Daejeon	Korea
Yigal	Leiba	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Barry	Lewis	Redline Communications Inc.	Lightwater	Surrey	UK
Dina	Li	ZTE	Brooklyn	NY	USA
Jia-Ru	Li	Extreme Networks	Santa Clara	CA	USA
Jiang	Li	Huawei Technologies Co., Ltd.	Shanghai		China
Jun	Li	Nortel Networks	Richardson	TX	USA
Kemin	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Li	Li	Huawei Technologies Co., Ltd.	Shen Zhen	Guang Dong	China
Thomas	Li	Huawei Technologies	Santa Clara	CA	USA
Wei	Li	China Academy of Telecommunication Research, MII	Beijing		China
Xiaodong	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Yongmao	Li	Huawei Technology	Shanghai		China
Gaspare	Licitra	Siemens	Milan		Italy
Aeri	Lim	Samsung Electronics Co.	Suwon-city	Gyeonggi-do	Korea
Geunhwi	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Hyoung Kyu	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea

Hyoungsoo	Lim	ETRI	Daejeon		Korea
Kwangjae	Lim	ETRI	Daejeon	Chungcheongnam-do	Korea
Sun Ju	Lim	LG electronics inc.	Anyang-shi	Gyeonggi-do	Korea
Erik	Lindskog	Beceem Communications, Inc.	Santa Clara	CA	USA
Titus	Lo	Walbell Technologies, Inc.	Bellevue	WA	USA
Hui-Ling	Lou	Marvell Semiconductor	Sunnyvale	CA	USA
Heinz	Lycklama	Adaptix, Inc.	Arlington	WA	USA
Michael	Lynch	Nortel Networks	Richardson	TX	USA
Daniel	Lyon	Fujitsu	Richardson	TX	USA
Steve	Ma	Freescale Semiconductors	Austin	TX	USA
Seung Joo	Maeng	Samsung Electronics	Suwon-City	Gyeonggi-do	Korea
David	Maez	Navini Networks	Richardson	TX	USA
David	Maidment	picoChip Designs Ltd	Bath		UK
Mahesh	Makhijani	Ericsson	San Diego	CA	USA
Jeffrey	Mandin	Streetwaves Networking	Jerusalem		Israel
Kevin	Mankin	Theta Microelectronics	San Jose	CA	USA
Roger	Marks	NIST	Boulder	CO	USA
Asaf	Matatyaou	ArrayComm	San Jose	CA	USA
David	McGinniss	Sprint	Naperville	IL	USA
Scott	Migaldi	Motorola	Schaumburg	IL	USA
Xiu	Mo	ZTE Communications	Shenzhen	Nanshan	China
James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Ollivier	Mont-Reynaud	Wavesat Inc.	Dorval	PQ	Canada

Roland	Muenzner	Alcatel SEL AG	Stuttgart		Germany
Willem	Mulder	Mulder Innova	Houten		Netherlands
Fumio	Murakami	Japan Radio Co., Ltd	Mitaka	Tokyo	Japan
Ronald	Murias	Wi-LAN Inc.	Calgary	AB	Canada
Sean	Murphy	University College Dublin	Dublin		Ireland
Kenichi	Nakamura	Fujitsu Ltd.	Tokyo		Japan
Seung Hoon	Nam	Samsung AIT	Yongin	Gyeonggi-do	Korea
K.S.	Natarajan	Motorola Inc.	Arlington Heights	IL	USA
Nha	Nguyen	BCSI	Plano	TX	USA
Gunnar	Nitsche	Philips	Dresden		Germany
Mitsuo	Nohara	KDDI R&D Laboratories, Inc.	Kamifukuoka	Saitama	Japan
Paul	Odlyzko	Motorola Inc.	Schaumburg	IL	USA
Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Masoud	Olfat	Nextel Communications	Reston	VA	USA
Alan	Or	ZTE	San Diego	CA	USA
Shlomo	Ovadia	Intel Corp.	Santa Clara	CA	USA
Joonho	Park	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Youngsoo	Park	Samsung Electronics Co., Ltd.	Suwon		Korea
Vijay	Patel	Freescale Semiconductor, Inc.	Austin	TX	USA
Trevor	Pearman	Beceem Communications, Inc.	Santa Clara	CA	USA
Dave	Pechner	ArrayComm, Inc.	San Jose	CA	USA
Bonnie	Petti	TRSG	Reno	NV	USA
Greg	Phillips	AirTegrity Wireless, Inc.	Stateline	NV	USA

Paul	Piggin	Cygnus Multimedia Communications	Carlsbad	CA	USA
Sebastien	Poisson	Oasis Wireless Inc	Montreal	PQ	Canada
Ambroise	Popper	Sequans Communications	Paris		France
Jeff	Poston	MITRE	McLean	VA	USA
Russell	Priebe	Freescale Semiconductor	Austin	TX	USA
Michael	Probasco	Nokia	Irving	TX	USA
Jose	Puthenkulam	Intel Corp.	Hillsboro	OR	USA
Hongyun	Qu	ZTE	Shenzhen	Guangdong	China
Kamlesh	Rath	Beceem Communications	Santa Clara	CA	USA
Walter	Rausch	Sprint	Overland Park	KS	USA
Frank	Rayal	Redline Communications Inc.	Markham	ON	Canada
Anthony	Reid	Nokia	Irving	TX	USA
Eric	Reifsnider	Wireless Valley Communications, Inc.	Corvallis	OR	USA
Francis	Retnasothie	CableTV Technology Inc.	Toronto	ON	Canada
Douglas	Reudink	Adaptix, Inc.	Seattle	WA	USA
Russ	Reynolds	Proxim Corporation	Sunnyvale	CA	USA
Maximilian	Riegel	Siemens	Munich		Germany
Shane	Rogers	Wi-LAN Inc.	Calgary	AB	Canada
Wonil	Roh	Samsung Electronics	Suwon-city, Gyeonggi-do		Korea
Herbert	Ruck	Navini Networks	Richardson	TX	USA
Charles	Rush	TMG	Arlington	VA	USA
Kiseon	Ryu	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Andrew	Sago	BT	Ipswich	Suffolk	UK

Yousuf	Saifullah	Nokia	Irving	TX	USA
Kenji	Saito	KDDI R&D Laboratories Inc.	Yokosuka	Kanagawa	Japan
Atul	Salvekar	Intel Corp.	San Jose	CA	USA
Brett	Schein	Beceem Communications	Santa Clara	CA	USA
Gary	Schlanger	IDT Telecom	Newark	NJ	USA
Gregory	Schumacher	Nextel Communications	Reston	VA	USA
Randall	Schwartz	Intel Corp.			USA
Christian	Seagren	Sprint PCS	Overland Park	KS	USA
Yossi	Segal	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Radu	Selea	Redline Communications Inc.	Markham	ON	Canada
N.K.	Shankaranarayanan	AT&T Labs-Research	Florham Park	NJ	USA
Eli	Shasha	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yabing	Shen	ZTE San Diego	San Diego	CA	USA
James	Simkins	Xilinx	Salt Lake City	UT	USA
Sten	Sjoberg	Ericsson AB	Goteborg		Sweden
David	Solomon	Fujitsu	Pearl River	NY	USA
Clare	Somerville	picoChip Designs Limited	Bath		UK
Jung Je	Son	Samsung Electronics	Seoul		Korea
Yeong Moon	Son	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Kenneth	Stanwood	Cygnus Multimedia Communications	Carlsbad	CA	USA
Kenneth	Stewart	Motorola	Libertyville	IL	USA

Kyungjoo	Suh	samsung	suwon	Gyeonggi-do	korea
Thomas	Svantesson	ArrayComm	San Jose	CA	USA
Chunhui	Tang	ZTE	Brooklyn	NY	USA
Kazuki	Tani	KDDI Corporation	Tokyo		Japan
Shawn	Taylor	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yongjoo	Tcha	KT	Seoul		Korea
Mark	Thomas	Airspan Networks	Uxbridge		UK
Wen	Tong	Nortel Networks	Ottawa	ON	Canada
Shiau-He Shawn	Tsai	Ericsson	San Diego	CA	USA
Rainer	Ullmann	Wavesat Inc.	Dorval	PQ	Canada
David	Urban	Comcast	Philadelphia	PA	USA
Sunil	Vadgama	Fujitsu Laboratories of Europe Ltd	Hayes, Middlesex		UK
Mano	Vafai	Aperto Networks	Milpitas	CA	USA
Richard	van Leeuwen	Motorola	Nieuwegein		The Netherlands
Eyal	Verbin	Airspan Networks Inc.	Airport City		Israel
Dorin	Viorel	Wi-LAN Inc.	Calgary	AB	Canada
Frederick	Vook	Motorola Labs	Schaumburg	IL	USA
Mathys	Walma	Intel	Hillsboro	OR	USA
Arthur	Wang	BeyondSpot	Buena Park	CA	USA
Fan	Wang	Motorola Inc.	Arlington Heights	IL	USA
Guo Qiang	Wang	Nortel Networks	Ottawa	ON	Canada
Irving	Wang	ZTE Communications	San Diego	CA	USA
Jing	Wang	ZTE Dan Diego	San Deiggo	CA	USA
Lei	Wang	Cygnus Multimedia Communications	Carlsbad	CA	Canada

Stanley	Wang	CyberTAN Technology	Hsinchu		USA
Lisa	Ward	Rohde & Schwarz	Beaverton	OR	USA
Xuefei	Wei	ZTE Communications	Richardson	TX	USA
Mattias	Wennstrom	Huawei Technologies	Kista	Stockholm	Sweden
Alfred	Wieczorek	Motorola, Inc.	Plantation	FL	USA
Geng	Wu	Nortel Networks	Richardson	TX	USA
Jun	Wu	ZTE San Diego	San Diego	CA	USA
Xuyong	Wu	huawei	Shenzhen	Guangdong	China
Yingzhe	Wu	Ericsson	San Diego	CA	USA
Janice	Wunsch	Lucent Technologies	Naperville	IL	USA
Ling	Xu	ZTE	ShenZhen	Guangdong	China
Shanshan	Xu	Intel	Hillsboro	OR	USA
Hassan	Yaghoobi	Intel Corp.	Santa Clara	CA	USA
Fu	Yan	Huawei inc.	Shenzhen	Guangdong	China
Weidong	Yang	Navini Networks	Richardson	TX	USA
Ran	Yaniv	Alvarion Ltd.	Tel Aviv		Israel
Vladimir	Yanover	Alvarion Ltd.	Tel Aviv		Israel
Choong-Il	Yeh	ETRI	Deajeon		Korea
Sang-Kuk	Yeh	LG Electronics	Anyang Shi		Korea
Hujun	Yin	Intel Corp.	santa clara	CA	USA
Chulsik	Yoon	ETRI	Daejeon		Korea
Soon Young	Yoon	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Aeran	Youn	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Jungnam	Yun	Posdata	Santa Clara	CA	USA
Mi-Young	Yun	ETRI	Daejeon	Chungcheongnam-do	Korea
Nader	Zein	NEC	London		UK
Jianzhong	Zhang	Nokia	Irving	TX	USA

Wenfeng	Zhang	ZTE San Diego Inc. (ZiMax)	San Diego	CA	USA
Wenzhong	Zhang	ZTE Communications	San Diego	CA	USA
Zhijian	Zhang	ZTE San Diego	San Diego	CA	USA
Meng	Zhao	ZTE	Shenzhen	Guangdong	China
Ruobin	Zheng	huawei	Shenzhen	Guangdong	China
Qun	Zhou	ZTE San Diego	San Diego	CA	USA
Chenxi	Zhu	Fujitsu Labs of America	College Park	MD	USA
Keqiang	Zhu	ZTE San Diego	San Diego	CA	USA
Peiying	Zhu	Nortel Networks	Ottawa	ON	Canada
Ilan	Zohar	Intel Corp.	Givatatym		Israel
Ning	Zou	Intel (China) Ltd.	Beijing 100020		China

Return to IEEE 802.16 Page

IEEE 802.16 Session #38 Report

Session #38 Venue

Session #38 of the IEEE 802.16 Working Group (WG) on Broadband Wireless Access took place 18-21 July 2005 at the Hyatt Regency San Francisco in San Francisco, CA, USA. This was an IEEE 802 LMSC Plenary Session and co-located with sessions of the other IEEE 802 Working Groups and Technical Advisory Groups. The attendance list includes 341 individuals.

Task Group e (Mobile WirelessMAN®) Activities

Task Group e resolved comments in the IEEE-SA Sponsor Ballot recirculation of draft P802.16e/D9. A new draft, P802.16e/D10, will be prepared for recirculation. The IEEE 802 Executive Committee (EC) granted conditional approval to forward the final draft to the IEEE-SA Standards Board's Review Committee (RevCom) once the ballot has been successfully concluded. Task Group e issued a closing report and minutes.

Update: The P802.16e/D10 draft was released on 9 August. The P802.16e/D10 Sponsor Ballot Recirculation opened on 11 August, through 26 August.

Maintenance Task Group Activities

The Working Group's Maintenance Task Group resolved comments received IEEE-SA Sponsor Ballot, under which the P802.16-2004/Cor1/D3 draft corrigendum was given initial approval. Based on the comment resolutions, draft D4 is in preparation. The IEEE 802 EC granted conditional approval to forward the final draft to RevCom once the ballot has been successfully concluded. The Maintenance Task Group issued a closing report and minutes.

Update: The P802.16/Cor1/D4 draft was released on 7 August. P802.16-2004/Cor1/D4 Sponsor Ballot Recirculation opened on 11 August, through 26 August.

Network Management Task Group Activities

The IEEE 802.16 Network Management (NetMan) Task Group addressed comments received in the second IEEE-SA Sponsor Ballot recirculation of draft P802.16f/D5, the Management Information Base [MIB] for fixed operation. Based on the comment resolutions, draft D6 is in preparation. The IEEE 802 EC granted conditional approval to forward the final draft to RevCom once the ballot has been successfully concluded. Separately, the Task Group addressed responses to a Call for Comments regarding the P802.16g Baseline Document. Based on comment resolution, a new P802.16g Baseline Document will be released for a further Call for Comments. The NetMan Task Group issued a closing report and minutes.

Update: The P802.16f/D6 draft was released on 2 August. The P802.16f/D6 Sponsor Ballot Recirculation opened on 11 August, through 26 August.

Update: The Task Group issued an updated P802.16g Baseline Document on 23 August. A Call for Comments was issued, with a deadline of 9 September.

Conformance Task Group Activities

The Conformance Task Group, addressing the P802.16/Conformance04 project on PICS Proforma for fixed operation below 11 GHz, met to resolve comments received in Working Group Letter Ballot Recirculation #18a. A new draft is in preparation for further recirculation. The Task Group issued a set of minutes.

Update: The P802.16/Conformance04/D3 draft was released on 11 August. Working Group Letter Ballot Recirculation #18b opened on 18 August, through 4 September.

Licensed-Exempt Task Group

The Working Group's Licensed-Exempt Task Group met again to develop the P802.16h draft. After reviewing several responses to a Call for Contributions, the group agreed to issue a new working document for review. A closing report (including a newly-developed project schedule) and minutes were released.

Update: The Task Group issued an updated Working Document on 18 August. A Call for Comments was issued, with a deadline of 6 September.

Mobile Multi-hop Relay Study Group

A WG ad hoc committee on Mobile Multi-hop Relay met, considered a contribution, and proposed the formation of a Mobile Multi-hop Relay Study Group within the 802.16 WG. The WG proceeded to form the Study Group, with the confirmation of the IEEE 802 EC, through Session #40. A discussion area for the SG has been opened at http://relay-forum.wirelessman.org.

Update: The Study Group issued a <u>Call for Contributions</u> on 23 August, with a deadline of 9 September.

Liaison Activities

- The WG's ITU-R ad hoc committee met and reviewed its <u>recent activity</u>. The Working Group forwarded to the IEEE 802 EC a <u>proposed contribution to ITU-R WP 8A</u> and a <u>proposed contribution to ITU-R JTG 6-8-9</u>. The documents were submitted for <u>consideration by the IEEE 802 EC</u> as possible IEEE contributions. The ad hoc committee prepared an <u>activity report</u>.
- The WG sent a <u>liaison statement to the Internet Engineering Task Force (IETF)</u> as a followup to a <u>statement from IETF</u>
- The Working Group heard a <u>802.21 Liaison Report</u> in the WG Opening Plenary and <u>another in the Closing Plenary</u>. It also received an <u>802 Architecture Committee Liaison Report</u>.

Future Meetings

- IEEE 802.16's <u>Session #39</u> will take place on 12-15 September 2005 in Taipei. The session will be supported by Member Hosts Arthur Wang and Stanley Wang The institutional host is ITRI and the co-host is CyberTAN Technology.
- IEEE 802.16's <u>Session #40</u> will take place on 14-17 November 2005 in Vancouver, BC, Canada in conjunction with the <u>IEEE 802 Plenary Session</u>.
- IEEE 802.16's <u>Session #41</u> will take place on 9-12 January 2006 in New Delhi, India. The Member Host will be Aditya Agrawal of corporate host Beceem Communications.
- IEEE 802.16's <u>Session #42</u> will take place on 13-16 March 2006 in New Orleans, LA, USA in conjunction with the <u>IEEE 802 Plenary Session</u>.
- The Working Group decided to hold IEEE 802.16's <u>Session #43</u> in Israel during May 2006. The Member Host will be Naftali Chayat. The exact dates and venue are undetermined.

Documents

The <u>Session #38 document list</u> includes references to several hundred session documents. Draft standards are available with a <u>working group password</u> or by <u>purchase from IEEE-SA</u>. IEEE 802.16 standards are available for free download via the <u>Get IEEE 802®</u> program.

Minutes and Motions

The Working Group minutes are available as <u>IEEE 802.16-05/054</u>. The Working Group's <u>requests at the 802 LMSC Executive Committee meeting</u> of 22 July were approved.

Working Group Membership

The <u>Working Group Membership</u> grew from 261 to a record high of 342. At least 65 <u>Potential Members</u> will be eligible for membership by attending Session #40.

About IEEE 802.16
The IEEE 802.16 Working Group on Broadband Wireless Access Standards has developed and is enhancing the **WirelessMAN®** Standard for wireless metropolitan area networks. IEEE 802.16 is a unit of the IEEE 802 LAN/MAN Standards Committee, the premier transnational forum for wired and wireless networking standardization. A list of IEEE 802.16 standards and drafts is available on-line, as is a project milestone summary and an archive of previous Session Reports.

"802.16 News" Mailing List
The "802.16 News" mailing list ("stds-802-16-news") has the sole purpose of distributing major announcements related to the Working Group. Those interested in following the progress of the group but not in the day-to-day details may wish to subscribe. Only the Working Group Chair is eligible to post to the list, and mailings will be rare: once after each bimonthly session and additionally for major news, such as the approval of a new standard. Those subscribing to the stds-802-16 mailing list, for active Working Group participants, need not subscribe to stds-802-16-news since the postings will be redundant.

With the approval of the IEEE 802.16 Working Group, this report was drafted and edited (24 August 2005 update) by:

Roger Marks (marks@nist.gov)
Chair, IEEE 802.16 Working Group on Broadband Wireless Access Standards
tel: +1-303-497-7837

Return to IEEE 802.16 Session #38 Page