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Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Minutes of IEEE 802.16 Session #76</b>	
Date Submitted	<b>4 January 2012</b>	
Source	Erik Colban Huawei	Voice: +1-858-775-2494 <a href="mailto:ecolban@huawei.com">ecolban@huawei.com</a>
Abstract	IEEE 802.16 Session #76 Minutes (Atlanta, USA)	
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #76. For approval at Session #77	
Release	The contributor is familiar with the IEEE-SA Copyright Policy < <a href="http://standards.ieee.org/IPR/copyrightpolicy.html">http://standards.ieee.org/IPR/copyrightpolicy.html</a> >.	
Patent Policy and Procedures	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: < <a href="http://standards.ieee.org/guides/bylaws/sect6-7.html#6">http://standards.ieee.org/guides/bylaws/sect6-7.html#6</a> > and < <a href="http://standards.ieee.org/guides/opman/sect6.html#6.3">http://standards.ieee.org/guides/opman/sect6.html#6.3</a> >. Further information is located at < <a href="http://standards.ieee.org/board/pat/pat-material.html">http://standards.ieee.org/board/pat/pat-material.html</a> > and < <a href="http://standards.ieee.org/board/pat">http://standards.ieee.org/board/pat</a> >.	

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## Minutes of IEEE 802.16 Session #76

*IEEE 802.16 Working Group*

*Atlanta, USA*

*November 7–10, 2011*

### **IEEE 802.16 Session #76 Opening Plenary Meeting**

Monday, November 7<sup>th</sup>, 2011, 13:45 – 15:11 hours.

#### **Opening**

The Working Group (WG) meeting was called to order by Dr. Roger Marks at 13:45 hours local time. He welcomed the attendees to Session #76 of the IEEE 802.16 WG. Roger provided the URL for the server containing links to the upload facilities, attendance, agenda, etc. Roger explained the web site and the WirelessMAN Interactive Calendar. Tim Godfrey asked that erroneous evening sessions be removed from the schedule for Monday evening. Roger said he would correct the schedule accordingly.

Roger introduced himself as Chair of the Working Group (WG). Roger is affiliated with Consensii LLC. Vice Chair Rakesh Taori, affiliated with Samsung, and Secretary Erik Colban, affiliated with Huawei, introduced themselves. Treasurer Scott Migaldi was introduced in absence. Roger said that Scott would like to be relieved from his responsibility as treasurer, and asked for volunteers to contact Roger. The Chair provided information related to logistics and meeting registration.

#### **Membership and Attendance**

The chair described types of Membership in the WG as well as the rights and obligations of Membership in the WG (<http://wirelessman.org/802.16/16/membership.html>). He said that members and potential members should have an indicator designating their badge as a voting token.

The attendees were informed that acquiring and retaining Membership in the WG depends on logging attendance correctly in the IEEE Automated Meeting Attendance Tool (“IMAT”). The vice-chair attempted a demonstration of the method of registering in the IMAT system but had problems due to very slow response from the server. The attendance software's “Affiliation” field is the appropriate Affiliation per IEEE-SA affiliation disclosure requirements (<<http://standards.ieee.org/faqs/affiliationFAQ.html>>) and will be reported as such. The chair explained that entering “IEEE” or “WG802.16” as affiliation is invalid and no participation credit will be given in that case. The chair informed the attendants that 75% recorded attendance is required to obtain attendance credit for this session.

#### **Approvals**

The WG chair reviewed the agenda in document [IEEE 802.16-11/0037](http://www.ieee.org/802.16-11/0037) and asked for comments or concerns. None were received.

**Motion** (13:55): *“To approve the agenda.”*

Moved by T. Godfrey, seconded by Harry Bims

No discussion. The agenda was approved by unanimous consent.

**Motion** (13:57 h): *“To approve the Minutes of Session #75 ([IEEE 802.16-11/0034](http://www.ieee.org/802.16-11/0034)).”*

Moved by Nader Zein; seconded by Tim Godfrey.

No discussion. The motion was approved by unanimous consent.

#### **Working Group Reports and Issues**

The WG chair displayed the Chair’s Opening Plenary Presentation Slides, ([IEEE 802.16-11/0036r1](http://www.ieee.org/802.16-11/0036r1)).

He presented the patent policy materials (reference <<http://standards.ieee.org/board/pat/pat-slideset.pdf>>) The chair instructed the secretary to record in the minutes that slides 0-4 were shown, that an opportunity was given to the attendants to respond, and that no response was provided.

The chair then continued presenting the rest of IEEE 802.16-11/0019r1. He reminded the group that Letters of Assurance (LoA) are available at the IEEE-SA web site. A database of LoAs related to IEEE 802.16 is available at <[http://standards.ieee.org/db/patents/pat802\\_16.html](http://standards.ieee.org/db/patents/pat802_16.html)>. The chair instructed the Task Group chairs to repeat the patent policy rules in their groups per the details provided and the secretary to take note of this instruction. Copyright information is available at <<http://ieee802.org/16/ipr/copyrights>>.

The Chair reminded the group that submissions that violate procedures will not be accepted <<http://WirelessMAN.org/submit.html>>.

The chair discussed the IEEE 802 Rules documents, including Policies and Procedures, the Operations Manual and also the Working Group P&P <<http://ieee802.org/devdocs.shtml>>. He explained the role and responsibilities of the WG chair and explained the issue of WG Domination.

The chair presented the IEEE 802.16 Report to LMSC in document [IEEE 802.16-11/0035](#). He informed the group that the WG's four PARs under consideration (two new ones and two modifications, as detailed on Slide 8 of IEEE 802.16-11/0035) could be approved in early December. He said that one comment had been received so far and that the comment deadline was Tuesday at 17:00 local time. There were no questions or comments from the participants.

The chair presented the document guide at <<http://ieee802.org/16/meetings/mtg76/docs.html>>.

The chair reviewed the week's schedule; see <<http://dot16.org/cal/week.php?getdate=20111107>>. He drew the participants' attention to the link "[Session Listing](#)".

## **Subgroup Reports**

### **Maintenance**

TG Chair Yan-Xiu Zheng presented the **Maintenance TG** report ([IEEE 802.16maint-11/0028r1](#))

Roger commented on the agenda and suggested additional slots for the TG.

### **GRIDMAN**

TG Chair Tim Godfrey presented the **GRIDMAN TG** report ([IEEE 802.16n-11/0028](#))

There were no questions or comments.

### **M2M**

TG Acting Chair Erik Colban presented the **M2M TG** report ([IEEE 802.16p-11/0036](#))

Roger reminded the group about the PAR approval status and suggested initiating a WG Letter Ballot on the P802.16p draft after PAR approval, expected on December 7.

### **Project Planning Committee**

PPC Chair Rakesh Taori presented the **Project Planning Committee** report ([IEEE 802.16ppc-11/0006r2](#))

There were no questions or comments.

### **ITU-R Liaison Group**

Group Chair Takashi Shono presented the ITU Liaison group report ([IEEE L802.16-11/0061](#)).

Takashi announced his resignation, as of the end of this session. Roger thanked Takeshi for his service and emphasized the importance of the work of the ITU Liaison Group and the need for ongoing activities, particularly in maintaining IMT-2000 and IMT-Advanced.

#### **Schedule for the week:**

The working group chair presented the updated schedule for the week.

Roger asked for interest to discuss the new PARs proposed within IEEE 802 (<http://iee802.org/PARs.shtml>). None was expressed. The meeting on Tuesday morning to address PARs was therefore cancelled.

The chair said he would inform the TG chairs about logistical info.

#### **Future sessions**

The chair informed the group that there was no sponsor identified for the May interim session (Session #79). Consequently, the plan is to collocate the session with the other IEEE 802 wireless groups.

Rakesh asked if the default is to collocate interim meetings with the other wireless group meetings. Roger said that there is no definitive need to make a decision now and asked to defer discussion to the closing plenary.

#### **AOB**

None.

#### **Adjournment**

**Motion (15:11) :** *“To adjourn”*

Moved by Nader Zein; seconded by Dan Gal

**IEEE 802.16 Session #76 Closing Plenary Meeting**

Thursday, November 10<sup>th</sup>, 2011, 19:40 – 23:00 hours.

The chair, Roger Marks, called the meeting to order at 19:40.

The chair reminded the group about the patent policy and asked if anyone needed a refresher. No request was expressed.

Roger presented the agenda ([IEEE 802.16/0038](#)).

**Motion** (19:45): *“To approve the agenda”*

Moved by Phillip Barber; seconded by Tim Godfrey

The motion passed by unanimous consent

Roger presented the attendance list, which showed that 70 people had signed in. See <http://ieee802.org/16/meetings/mtg76/reglist.html>

Tim Godfrey reported some problems with IMAT attendance system. Roger said he would check it and ensure that attendance credit accounts for system flaws.

**WG Documentation System**

Roger informed the group that Tim Godfrey had suggested using IEEE Mentor documentation system. Tim presented a proposal on implementing the Mentor system and mapping the 802.16 WG documentation system to Mentor; see IEEE C802.16-11/0010. (See <https://mentor.ieee.org/802.16/documents> for an example.)

Questions were entertained. Tim said that the Mentor system does not support FTP, but it does support WebDAV remote mounting.

Roger said that he wanted to maintain use of the upload server for comments (including ballot comments), temporary files, and rapporteur groups. He recommended moving to Mentor at the start of 2012. No objections to his recommendation were expressed.

**WG officer elections**

Roger informed the group about the upcoming WG officer elections in March 2012. He showed the following [email](#) on the screen, stating the view of the IEEE 802 Chair on re-election. According to this clarification, Roger could stand for election for another term if approved by the WG.

**Motion** (20:20) : *“The WG authorize Roger Marks to stand for reelection in March 2012”*

Moved by Brian Kiernan; seconded by Lei Wang

The motion passed by vote (for: 32, against: 0, abstain: 0).

**PAR update approval**

Rakesh Taori presented document [IEEE 802.16-11/0043](#), which contains proposed responses to the comments received on the WG’s PARs.

**Motion**(20:36): *“To approve the comments and edits in IEEE 802.16-11/0043 and forward the four subject PARs as updated”*

Moved by Phillip Barber; seconded by Ron Murias

The motion passed by vote (for: 32, against: 0, abstain: 0).

**Patent LoAs and P802.16.1**

The chair indicated that, based on advice received, he will request patent Letters of Assurance (LoAs) regarding P802.16.1 from companies that submitted LoAs applicable to IEEE Std 802.16m.

**Subgroup reports**

GRIDMAN:

TG Chair Tim Godfrey presented the TG GRIDMAN report ([IEEE 802.16n-11/0029](#)).

M2M

TG acting Chair Erik Colban presented the TG M2M report ([IEEE 802.16p-11/0037r1](#)).

**Motion():** *“To request that the WG initiate a WG LB #33a recirculation on P802.16p/D2, based on P802.16p/D1 as modified by the comment resolutions contained in 802.16-11/0040r2, to close around 2012-01-06.”*

Moved by Erik Colban; seconded by Lei Wang.

The motion was approved by vote (Result: 32/0/0)

**Motion():** *“To request the WG to forward IEEE P802.16p to the IEEE 802 LMSC Executive Committee, requesting conditional approval for IEEE-SA Sponsor Ballot.”*

Moved by Erik Colban; seconded by Brian Kiernan

The motion was approved by vote (Result: 32/0/0)

**Motion():** *“To declare WG Letter Ballot #34 closed and approved subject to the comment resolutions in 802.16-11/0041r2, with the resultant P802.16.1b/D1 adopted as a Working Group Draft pending approval of the P802.16.1b PAR”*

Moved by Erik Colban; seconded by Ron Murias

The motion was approved by vote (Result: 24/0/1)

**Motion():** *“Pending approval of the P802.16.1b PAR, to initiate a WG Letter Ballot on the following motion:*

*“To forward to the IEEE 802 LMSC Executive Committee, for IEEE-SA Sponsor Ballot, IEEE P802.16.1b/D1”*”

Moved by Erik Colban; seconded by Brian Kiernan

The motion was approved by vote (Result: 29/0/1)

Maintenance

TG Chair Yan-Xiu presented [IEEE 802.16maint-11/0031r1](#)

**Motion():** *“To request that the WG initiate a WG LB #35a recirculation on P802.16Rev3/D3, based on P802.16Rev3/D2 as modified by the comment resolutions contained in 802.16-11/0042r1.”*

Moved by Yan-Xiu Zheng; seconded by Yeongmoon Son

The motion was approved by vote (Result: 24/0/0)

**Motion():** *“To request that the WG Chair request Conditional Approval to forward P802.16Rev3 for Sponsor Ballot”*

Moved by Yan-Xiu Zheng; seconded by Phil Barber

The motion was approved by vote (Result: 25/0/0)

**Motion():** *“To request that the WG initiate a WG LB #32a recirculation on P802.16.1/D3, based on P802.16.1/D2 as modified by the comment resolutions contained in 802.16-11/0039r2”*

Moved by Yan-Xiu Zheng; seconded by Harry Bims

The motion was approved by vote (Result: 26/0/0)

**Motion ():** *“To request that the WG Chair request Conditional Approval to forward P802.16.1 for Sponsor Ballot”*

Moved by Yan-Xiu Zheng; seconded by Lei Zhou

The motion was approved by vote (Result: 26/0/0)

**Motion():** *“To authorize the TG Chair to forward [IEEE L802.16-11/0064d1](#) to the WG as the proposed Liaison statements to the WiMAX Forum in response to L802.16-11/0062 and authorize the WG Chair to make any necessary editorial modifications”*

Moved by Yan-Xiu Zheng; seconded by Hyunjeong Kang

The motion was approved by vote (Result: 25/0/0)

**Motion():** *“To authorize the WG chair to convene an ad-hoc editorial committee, open to the WG membership, at 9 am on Nov 11 to prepare documentation in support of WG motions to the 802 EC, with license to document comment resolutions consistent with technical content of approved text.”*

Moved by Jaesun Cha; seconded by Phil Barber  
The motion passed by unanimous consent.

#### Project Planning Committee

TG Chair Rakesh Taori presented [IEEE 802.16ppc-11/0007r2](#).

There was discussion on creating a study group on Heterogeneous Networks (HetNet). Roger recommended socializing the topic at the Wireless Interim sessions before launching a study group. Other members concurred. Roger and Rakesh will try to get a slot at the next session (Jacksonville) for a tutorial.

#### ITU Liaison

Takashi Shono presented ([IEEE L802.16-11/0063r1](#))

This was Takashi’s last session (he presented his resignation during the opening meeting). Roger thanked Takashi for his work; the WG applauded.

#### Future Sessions

The chair presented the proposed schedule for Session #77. He then went on to present the plan for future sessions.

He showed an email from the 802 Executive Secretary asking about the members’ preferences regarding including the lunch in the conference fee for the March 2012 IEEE 802 Plenary. A straw poll was conducted on four options:

**Straw poll:** *“Should lunch be included in the conference fee?”*

Phil Barber asked what the fee would be without lunch. Roger said that the meeting fee is rather stable and so would probably be similar to that of the current session, without lunch. The participants could vote on more than one choice. The choices were:

Choice 1: Lunch provided, (\$200 mtg fee increase)

Choice 2: Lunch provided, (\$100 mtg fee increase, plus subsidy from the 802 Operating Reserve)

Choice 3: Grab and go lunch - paid for by the attendee -- (unknown specific cost -- 802 minimum guarantee ).

Choice 4: Extend lunch time (WG basis/choice) to allow folks to go to the hotel restaurants or malls that are about 1 mile away.

Results were as follows:

Choice 1: 0

Choice 2: 16

Choice 3: 1

Choice 4: 10

No objection to the venue of Session #79 was expressed. Session #79 will take place on 14-17 May 2012 in Atlanta, Georgia, USA, co-located with sessions of other IEEE 802 Working Groups addressing wireless technologies.

There was a general decision on collocating the interim sessions with the other IEEE 802 wireless groups. This will be the default expectation. However, final decisions should be made six months in advance of each interim session. Proposals to host interim sessions are welcome and will be entertained.

#### Any Other Business

Roger asked for volunteers to join the editorial ad-hoc committee tasked with preparing documentation for the motions to be presented on behalf of the WG to the EC the following day. Rakesh said he would join.

Plaques and certificates were presented to members who played key roles in the development of IEEE Std 802.16m. Other awards will be distributed to those not in attendance.

**Adjournment:**

**Motion** (23:00) : *“To adjourn”*

Moved by Ron Murias; seconded by Yeongmoon Son



## Registration List: IEEE 802.16 Session #76

Update 2011-11-12

71 attendees registered and/or in the attendance logs, including at least 61 with "[participation](#)" credit

Participation Credit	Name\Family	Name\Given	Affiliation	City	State\Province	Country/Ad
Yes	Al-Kanani	Hassan	NEC Corporation	London		UK
Yes	Barber	Clifton	KDDI R&D Laboratories	Jonesboro	GA	USA
No	Barber	Phillip	Huawei Technologies Co. Ltd	Plano	TX	USA
Yes	Bims	Harry	Bims Laboratories, Inc.	Menlo Park	CA	USA
Yes	Bohyun	Kang	Samsung Electronics co.	Suwon	Gyeonggi-do	Korea
Yes	Bratspiess	Inbar	Sequans	Tel Aviv		Israel
Yes	Cha	Jaesun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Yes	Chen	Chung Pao	ITRI			
Yes	Cho	Hee Jeong	LG electronics	Anyang	Gyeonggi-do	Korea
Yes	Choi	Jinsoo	LG ELECTRONICS	Anyang-Shi		Korea
Yes	Chou	Kuan-Hong	ITRI			
Yes	Colban	Erik	Huawei Technologies Co. Ltd	San Diego	CA	USA
Yes	Fang	Yu-Chuan	ITRI International Inc.	Chutung, Hsinchu	Taiwan	Taiwan
Yes	Gal	Dan	ALCATEL-LUCENT	Morris Plains	NJ	USA
Yes	Godfrey	Tim	Electric Power Research Institute, Inc. (EPRI)	Overland Park		USA
Yes	Hoang	Anh Tuan	Institute for Infocomm Research	Singapore		Singapore
Yes	Hoang	Vinh-Dien	National Institute of Information and Communications Technology (NICT)	Singapore		Singapore
Yes	Hsiao	Ying-Chuan	Industrial Technology Research Institute (ITRI)	Chutung, Hsinchu	Taiwan	Taiwan
Yes	Huang	Rui	Intel Corporation	Beijing		China
Yes	Imata	Satoshi	KDDI R&D Laboratories	Tokyo		Japan
Yes	Jan	Yih Guang	Tamkang University (TKU)	Taipei		Taiwan
Yes	Jung	Inuk	LG ELECTRONICS	Anyang	Gyeongkido	Korea

Yes	Jung	Soojung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Yes	Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kim	Eunkyung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Yes	Kim	Jeongki	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
No	Kim	Kyung	Korea Railroad Research Institute (KRII)			
Yes	Kim	Namgi	Kyonggi University	Suwon	Kyounggi	Korea
Yes	Kim	Seokki	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Yes	Kim	Wanie	Electronics and Telecommunications Research Institute (ETRI)			
Yes	Kim	Won Ik	Electronics and Telecommunications Research Institute (ETRI)			Korea
Yes	Kuo	Ping-Heng	ITRI	Hsinchu		Taiwan
Yes	Kwak	Jin Sam	LG ELECTRONICS	Anyang-shi	Gyeonggi-do	Korea
Yes	Lee	Anseok	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Yes	Lee	Eunjong	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
No	Lee	Hyukjoon	Kwangwoon University	Seoul		Korea
Yes	Lee	Hyun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
No	Lee	Jae	Dongguk University			
Yes	Lee	Sook-Jin	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Yes	Lee	Yang-Han	Tamkang University	Taipei	Taipei	Taiwan
Yes	Lin	Yi-Ting	Institute for Information Industry	Taipei		Taiwan
Yes	Maeder	Andreas	NEC Laboratories Europe	Heidelberg	DE	Germany
Yes	Marks	Roger	Consensii LCC	Denver	CO	USA
Yes	Mohanty	Shantidev	Intel Corporation	Santa Clara		USA
Yes	Nigam	Anshuman	SAMSUNG	Bangalore		India
			National Institute of Information and			

Yes	Oodo	Masayuki	Communications Technology (NICT)	Yokosuka	Kanagawa	Japan
Yes	Pao	Wei-Cheng	Industrial Technology Research Institute (ITRI)			
Yes	Park	Giwon	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
No	Pathmasuntharam	Jaya Shankar	Institute for Infocomm Research	SINGAPORE		Singapore
Yes	Qin	Fei	China Academy of Telecommunication Technology(CATT)	Beijing		China
Yes	Sambasivan	Sam	AT&T Inc	Austin	TX	USA
Yes	Shin	Seokjoo	Chosun University			
Yes	Shono	Takashi	Intel Corporation	Tokyo	Tokyo	Japan
Yes	Son	Yeongmoon Son	SAMSUNG	Suwon-city	Kyeonggi-do	Korea
Yes	Tao	Ming-Hung	Industrial Technology Research Institute	Hsinchu		Taiwan
Yes	Taori	Rakesh	SAMSUNG	Suwon	Gyeonggi-do	Korea
No	Teo	Joseph	Institute for Infocomm Research	Singapore	Singapore	Singapore
Yes	Triglia	Alessandro	OSS Nokalva			Italy
Yes	Tsai	Chia-Lung	ITRI	Hsinchu		Taiwan
Yes	Tsai	Tsung-Yu	Institute for Information Industry (III)	Taipei City		Taiwan
Yes	Tseng	Hsien-Wei	DE LIN Institute of Technology (DLIT)	Taipei		Taiwan
Yes	Wang	Haiguang	Institute for Infocomm Research	Singapore		Singapore
No	Wang	Lei	InterDigital Communications, LLC	San Diego	CA	USA
No	Yeow	Wai Leong	Institute for Infocomm Research	Singapore		Singapore
Yes	Zein	Nader	NEC Corporation	London		UK
Yes	Zeira	Eldad	InterDigital, Inc.	Melville	NY	USA
No	Zhang	Xin	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore	Singapore
No	Zheng	Shoukang	Institute for Infocomm Research	Singapore		Singapore
Yes	Zheng	Yan-Xiu	Industrial Technology Research Institute (ITRI)	Hsinchu		Taiwan
Yes	Zhou	Lei	SAMSUNG	Beijing		China
Yes	Zhou	Mingtuo	National Institute of Information and Communications Technology (NICT)	Singapore		Singapore

+Invalid affiliation disclosure. Accordingly, no participation credit granted.

++Invalid affiliation disclosure, and attendance requirement unmet.

\*Organizational attendee related to WirelessMAN-Advanced Transposing Organizations (WATO) meeting.

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Note 1: Participation Credit field is tentative, depending on affiliation disclosure, attendance confirmation, etc.

Note 2: [Affiliation](#) per the "Affiliation" field on the attendance log form, or subsequent update. "Affiliation" is defined according to the [IEEE-SA affiliation disclosure requirements](#). Note in particular:

*11. What if I refuse to disclose my affiliation?*

*As outlined in IEEE-SA governance documents, you will lose certain rights. In a working group where voting rights are gained through attendance, no attendance credit will be granted if affiliation isn't declared. Similarly, voting rights are to be removed if affiliation isn't declared.*

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# The IEEE 802.16 Working Group on Broadband Wireless Access Standards

## IEEE 802.16 Members

Updated: 2011-11-14 accounting for [Session #76](#).

Number of members: 87

Next scheduled update: following [Session #78](#)

See also:

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

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

Chang	Sungcheol	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Chang	YoungBin	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Chen	Chiu-Wen	Institute for Information Industry	Taipei		Taiwan
Cho	HanGyu	LG ELECTRONICS	Seoul		Korea
Cho	Hee Jeong	LG electronics	Anyang	Gyeonggi-do	Korea
Cho	Jaeweon	SAMSUNG	Suwon	Gyeonggi	Korea
Cho	Youngbo	Samsung	Suwon	Gyeonggi-do	Korea
Choi	Jinsoo	LG ELECTRONICS	Anyang-Shi		Korea
Chou	Ching-Chun	National Taiwan University	Taipei	Taiwan	Taiwan
Chun	Jin Young	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Colban	Erik	Huawei Technologies Co. Ltd	San Diego	CA	USA
Fang	Yu-Chuan	ITRI International Inc.	Chutung, Hsinchu	Taiwan	Taiwan
Gal	Dan	ALCATEL-LUCENT	Morris Plains	NJ	USA
Godfrey	Tim	Electric Power Research Institute, Inc. (EPRI)	Overland Park		USA
Hoang	Anh Tuan	Institute for Infocomm Research	Singapore		Singapore
Hoang	Vinh-Dien	National Institute of Information and Communications Technology (NICT)	Singapore		Singapore
Hsiao	Ying-Chuan	Industrial Technology Research Institute (ITRI)	Chutung, Hsinchu	Taiwan	Taiwan
Hsu	Chun-Yen	Institute for Information Industry	Taipei	NIL	Taiwan
Huang	Rui	Intel Corporation	Beijing		China

Imata	Satoshi	KDDI R&D Laboratories	Tokyo		Japan
Jan	Yih Guang	Tamkang University (TKU)	Taipei		Taiwan
Josiam	Kaushik	SAMSUNG	Richardson	Texas	USA
Jung	Inuk	LG ELECTRONICS	Anyang	Gyeongkido	Korea
Jung	Soojung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Kang	Bohyun	Samsung Electronics co.	Suwon	Gyeonggi-do	Korea
Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kiernan	Brian	InterDigital Communications, LLC	King of Prussia	PA	USA
Kim	Eunkyung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kim	Hokyung	Samsung Electronics	SUWON		Korea
Kim	Jeongki	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
Kim	Namgi	Kyonggi University	Suwon	Kyonggi	Korea
Kim	Seokki	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kuo	Ping-Heng	ITRI	Hsinchu		Taiwan
Kwak	Jin Sam	LG ELECTRONICS	Anyang-shi	Gyeonggi-do	Korea
Lee	Anseok	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Lee	Eunjong	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Lee	Hyun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea

Lee	Jin	LG ELECTRONICS	Anyang	Kyungki	Korea
Lee	Yang-Han	Tamkang University	Taipei	Taipei	Taiwan
Li	Honggang	Intel Corporation	Beijing		China
Li	Ying	Samsung Electronics	Richardson	TX	USA
Lin	Yi-Ting	Institute for Information Industry	Taipei		Taiwan
Liru	Lu	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore	Singapore
Maeder	Andreas	NEC Laboratories Europe	Heidelberg	DE	Germany
Marks	Roger	Consensii LCC	Denver	CO	USA
Mohanty	Shantidev	Intel Corporation	Santa Clara		USA
Murias	Ron	InterDigital, LLC	Calgary	AB	Canada
Nigam	Anshuman	SAMSUNG	Bangalore		India
Oodo	Masayuki	National Institute of Information and Communications Technology (NICT)	Yokosuka	Kanagawa	Japan
Park	Giwon	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
Park	Jeongho	Samsung	Suwon	Gyunggi-Do	Korea
Park	Jisoo	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	-	Korea
Pathmasuntharam	Jaya Shankar	Institute for Infocomm Research	SINGAPORE		Singapore
Qin	Fei	China Academy of Telecommunication Technology(CATT)	Beijing		China
Ramakrishna	Sudhir	Samsung	Richardson	TX	USA
Ryu	Kiseon	LG Electronics			Korea
Sambasivan	Sam	AT&T Inc	Austin	TX	USA



Seol	Ji-Yun	Samsung Electronics Co., LTD.	SeongNam-si	Gyeonggi-do	Korea
Sherman	Matthew	BAE Systems	Wayne	NJ	USA
Shono	Takashi	Intel Corporation	Tokyo	Tokyo	Japan
Son	Yeongmoon Son	SAMSUNG	Suwon-city	Kyeonggi-do	Korea
Tao	Ming-Hung	Industrial Technology Research Institute	Hsinchu		Taiwan
Taori	Rakesh	SAMSUNG	Suwon	Gyeonggi-do	Korea
Teo	Joseph	Institute for Infocomm Research	Singapore	Singapore	Singapore
Triglia	Alessandro	OSS Nokalva			Italy
Tsai	Chia-Lung	ITRI	Hsinchu		Taiwan
Tsai	Tsung-Yu	Institute for Information Industry (III)	Taipei City		Taiwan
Tseng	Hsien-Wei	DE LIN Institute of Technology (DLIT)	Taipei		Taiwan
Wang	Arthur	LinQuest Corporation	Buena Park	CA	USA
Wang	Hai	Samsung Electronics	Beijing		China
Wang	Haiguang	Institute for Infocomm Research	Singapore		Singapore
Wang	Lei	InterDigital Communications, LLC	San Diego	CA	USA
Wei	Hung-Yu	National Taiwan University	Taipei		Taiwan
Yeow	Wai Leong	Institute for Infocomm Research	Singapore		Singapore
Zein	Nader	NEC Corporation	London		UK
Zeira	Eldad	InterDigital, Inc.	Melville	NY	USA
Zhang	Xin	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore	Singapore

Zheng	Shoukang	Institute for Infocomm Research	Singapore	Singapore
Zheng	Yan-Xiu	Industrial Technology Research Institute (ITRI)	Hsinchu	Taiwan
Zhou	Lei	SAMSUNG	Beijing	China
Zhou	Mingtuo	National Institute of Information and Communications Technology (NICT)	Singapore	Singapore

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[Return to IEEE 802.16 Page](#)