IEEE P802.11
Wireless LANs

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| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for September-2021 Electronical Meeting |
| Date: 09-13-2020 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Lei Wang | Futurewei | 2220 Central Expy, Santa Clara, CA 95050, USA | +1-858-205-7286 | Lei.wang1@futurewei.com |
| Jim Lansford | Qualcomm | 7775 N Topeka AveCascade, CO 80809 | +1-719-286-8660 | Jim.lansford@ieee.org |

Abstract

Meeting Minutes for the WNG SC meeting held electronically, on September 13th, 2021.

**WNG Session: September 13th, 2021, 11:15am to 1:15pm ET**

Chair: Jim Lansford (Qualcomm)

Vice Chair & Secretary: Lei Wang (Futurewei)

**Meeting Agenda:**

The meeting agenda is shown below, and also published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/21/11-21-0945-01-0wng-agenda-for-wng-sc-2021-september.pptx>

* Call Meeting to Order
* Agenda approval
* Attendance reminder
* Documentation reminder
* Announcements
* Approval of Previous meeting minutes
	+ Minutes from May 2020 WNG Meeting
		- <https://mentor.ieee.org/802.11/dcn/21/11-21-0805-00-0wng-wng-meeting-minutes-2021-may-electronic-meeting.docx>
* Presentations
	+ Monday 13 September 2021, 11:15 – 13:15 EDT
* Plans for November 2021
* Adjournment

**Meeting Minutes:**

* Chair called the meeting to order at 11:15am ET on Monday, September 13, 2021.
* Chair reminded the group to record the attendance of this meeting by using the IEEE Attendance Tool. The link to the attendance tool is also provided in the chat window of the electronical meeting.
* Agenda approval:

<https://mentor.ieee.org/802.11/dcn/21/11-21-0945-01-0wng-agenda-for-wng-sc-2021-september.pptx>

* The agenda was approved by unanimous consent.
* Chair also noted the affiliation FAQ, anti-trust FAQ, ethics code, IEEE 802.11 policies and procedures, and IEEE 802 policies and procedures.
* Chair covered the voting rules for WNG SC, being a standing committee.
* Approval of previous meeting minutes
	+ Minutes from 2021-MayWNG Meeting

<https://mentor.ieee.org/802.11/dcn/21/11-21-0805-00-0wng-wng-meeting-minutes-2021-may-electronic-meeting.docx>

* + The 2021-May WNG SC meeting minutes was approved by unanimous consent.
* Approximately 129 people attended the WNG Session electronically.
* Presentation #1: “802/802.11 and Research engagement” – Dorothy Stanley (HPE), et al

<https://mentor.ieee.org/802.11/dcn/21/11-21-1423-00-0wng-802-802-11-and-research-engagement.pptx>

* + Dorothy presented the contribution
		- Paul Nikolich (802 LMSC Chair) was invited to provide background and status information about this work at IEEE 802 LMSC EC level.
	+ Summary of Discussion
		- The Q&A session was active, with about 8 people asked questions and/or provided comments / suggestions, with interactive discussions with Dorothy (presenter and the 802.11 WG Chair) and Jim (802.11 WNG SC Chair), as highlighted below.
		- Slide 7 is purely just examples, as its title line says.
		- 802.11 is contribution-driven, and we should keep it as contribution-driven.
		- 802.11 has a well-established platform and process, including WNG, TIG, and SG, to discuss new ideas and to initiate new work items / projects.
		- Although 802.11 and 802 EC have done lots of outreach, e.g., tech talks, to promote 802.11 and 802 in general, we could improve it by adding the information of how to participate, in addition to our work items and work status.
		- In addition to the outreach efforts of our 802.11 WG leaders, we should encourage more 802.11 members to contribute to the outreach, e.g., 802.11 Task Group leaders, similar to what 11bf TG leaders have done.
		- 802.11 WG used to have a publicity ad hoc committee few years ago, chaired by Stephen McCann, worked actively at the beginning, but run into a situation of low participation later. Encourage 802.11 members to contact Stephen again if any ideas / proposals to promote 802.11.
		- Free draft standards downloading could help academia to access standards development timely. Note that some other SSOs offer free draft spec downloading, e.g., 3GPP.
		- There is a financial burden for academia, e.g., professors, PhD students, etc., to keep participating in 802.11 Face-to-Face meetings. The current virtual meetings actually help their participations.
		- Organizing joint sessions with IEEE society conferences could help 802.11 WG to promote its visibility and engagement with academia.
		- Based on experiences from both academia and standards development, it is important not only to create venue / platform for academia to participate in standards development process, but also to set up proper expectation, as it often generates frustrations or disappointments for professors to just present their work in our 802.11 meetings.
		- 802.11 has a pretty high bar to get a contribution accepted, requiring sustained time and effort, so it is easy for a contributor to get frustrated.
		- In addition, it is important to explain our standards specs, not just what it is, but also why it is. For Ph.D. students, just read the 802.11 specs, it is very difficult to understand and follow.
		- Another issue is that, if identified some problems that requires further research, it is difficult to get support from the standards community.
		- Take security as an example, some universities are on top of it. We should establish a liaison relationship with them and invite them to participate in.
		- Plan to have further offline discussions, and will do our best to promote collaboration between standards and academia.
* Presentation #2: “Invitation to Join the IEEE Synthetic Aperture Standards Committee” - Peter Vouras, NIST (& Chair of the Synthetic Aperture Standards Committee in IEEE Signal Processing Society)

<https://mentor.ieee.org/802.11/dcn/21/11-21-1494-00-0wng-invitation-to-synthetic-aperture-standards-committee.pptx>

* + Peter presented the contribution.
	+ Summary of Discussion
		- Regarding what are the relevant aspects of the synthetic aperture with 802.11, two primary examples are given: channel sounding and over-air calibration.
		- Comparing to radar, the synthetic aperture can have a clear picture of scattering environment, very important for the safety in some applications, e.g., smart factory. Another application is the performance of physical device, the performance of ideal situation.
		- Clarified that the sensitivity is practical for both high band, e.g., 60GHz band, and low band, e.g., 2.4Ghz band.
* Plans for November 2021:
	+ Call for contributions: WNG chair will issue a call for contributions before 802.11 plenary meeting in November 2021.
* Any other business: none
* Adjourned at 12:45pm ET.