**IEEE Communications Society Standards Development Board (COM/SDB)**

**Approved Minutes**

Tuesday, December 10, 2013, 9:30 AM EST – 11:30 AM EST

1. **Face-to-face meeting at Room 406 of the Hilton Atlanta with teleconference via WebEx**
2. **Call to Order**

Kevin Lu (Chair) called the meeting to order at 9:45 AM EST and reminded participants about IEEE Standards and the Law <http://standards.ieee.org/develop/policies/stdslaw.pdf>, and to declare or update their affiliations and standards activities listed in Appendix A.

1. **Roll Call and Establish Quorum**

The chair conducted the roll call and the quorum was not established:

| **Voting Members** | **Affiliation** | **Attendance** | **Voting Status** |
| --- | --- | --- | --- |
| Farooq Bari | AT&T |  | X |
| Jean-Philippe Faure | Panasonic |  |  |
| Nada Golmie | NIST | X | X |
| Hiroshi Harada | NICT |  | X |
| Paul Houzé | Microsoft |  |  |
| Glen Kramer | Broadcom | X | X |
| Kevin W. Lu | Broadcom | X | X |
| R. Venkatesha Prasad | TU Delft | X | X |
| Don Wright | Standards Strategies |  |  |

|  |  |  |
| --- | --- | --- |
| **Advisory Members** | **Affiliation** | **Attendance** |
| Rob Fish | NETovations |  |
| Curtis Siller | Enginnovation |  |
| **Ex Officio Member** |  |  |
| Alex Gelman | NETovations | X |
| **SA Liaison** |  |  |
| Lisa Perry | IEEE-SA |  |
| **Other Participants** |  |  |
| Chuck Adams | Huawei | X |
| Steve Bush | GE Global Research | X |
| Bruce Kraemer | Marvell Semiconductor | X |
| Hsi-Pin Ma | National Tsing Hua University | X |
| Neeli Prasad | Aalborg University | X |
| Nirmala Shenoy | RIT | X |
| Shabnam Sodagari | Oblon Spivak | X |
| Henry Suthon | Barrios Technology | X |
| Mehmet Ulema | Manhattan College | X |
| Jinsong Wu | Alcatel-Lucent | X |

Appendix B provides a list of Liaisons (or Chair if there is no designated standards liaison) from ComSoc Technical Committees and Emerging Technical Subcommittees.

1. **Approval of Agenda**

The chair showed the agenda without voting since the quorum was not established.

1. **Approval of the 20 September 2013 COM/SDB Minutes**

The chair will conduct electronic voting to approve the previous minutes by December 27, 2013.

1. **Discussions**

* [INFORMATION] Status updates from Working Group Chairs
* P1903.1/P1903.2/P1903.3: As scheduled, P1903.1, .2, and .3 met jointly via teleconference two hours everyday on September 17 to 19 with 15 to 20 participants. There were about 15 contributions including some presentations to clarify certain areas such as the need and requirements for a formal language to be used for service composition. The editors of each Technical Specification will incorporate the accepted contributions and share the documents via email with the members. The group is meeting in Atlanta for three days during Globecom 2013.
* P1904.1-Conformance 01, 02, and 03: Third recirculation of Working Group Ballot of D2.3 “Standard for Conformance Test Procedures for SIEPON, IEEE Std 1904.1 Package A, B, and C” with targeted completion in September 2014.
* SIEPON Working Group has approved a draft PAR P1904.2 on “Management Channel for CPE Devices Connected to Ethernet-based Subscriber Access Networks.”
* [ACTION] The chair will conduct electronic voting to approve the PAR P1904.2 by December 27, 2013.
* P1906.1: The draft P1906.1 framework has been implemented in ns-3, including 11 classes, 22 files, and more than 1000 lines of code.
* P1907.1: The 1907.1 WG P&P have been audited and accepted in August 2013. The WG lost two Editors for the draft standard but found a replacement, Prof. Javier Aguiar (University of Valladolid, Spain).
* P1908.1: November 25, 2013 press release on two draft Hindi virtual keyboard layouts with their Android apps for evaluation and feedback by December 11, 2013.
* P1910.1: October 22, 2013 Call for Participation in development of “Standard for Meshed Tree Bridging with Loop Free Forwarding.” The group met at Globecom 2013 and prepared a draft policies and procedures (P&P).
* [ACTION] The chair will also conduct electronic voting to approve the 1910 P&P.
* [INFORMATION] The chair provided the financial report.

1. **Other business**

The chair acknowledged all board members, advisors, IEEE-SA staff, and technical committee liaisons for their participations and contributions in the last two years.

1. **Adjournment**

The meeting was adjourned at 10:53 AM EST.

**Appendix A: Declaration of Affiliation and Standards Participation**

| Member | Affiliation | Standards Participation |
| --- | --- | --- |
| Farooq Bari | * LMTS, Strategic Standards, AT&T * Member, IEEE-SA CAG, SASB, NesCom, ICCom * Treasurer, IEEE COM/SDB | * Chair, GSMA/WBA JTF Wi-Fi Roaming * 3GPP SA2 * ITU-T JCA-IoT * Onem2m TP |
| Jean-Philippe Faure | * CEO, Progilon (Representing Panasonic in IEEE activities) * Member, IEEE SASB, AudCom, RevCom * Chair, IEEE COM/PLC * Member, IEEE COM/SDB | * Chair, IEEE 1901 WG * IEEE P1905.1 |
| Nada Golmie | * Manager, Emerging and Mobile Network Technologies Group, NIST * Chair, Priority Action Plan on Wireless Communications, Smart Grid Interoperability Panel * Member, IEEE COM/SDB | * IEEE 802.15.4g, 802.11ah, 802.19 |
| Hiroshi Harada | * Director, Smart Wireless Laboratory, NICT * Co-Founder, Wi-SUN Alliance   + Co-Chair, Board   + Chair, ECHONET WG * Board, WhiteSpace Alliance * Board of Directors, Wireless Innovation Forum (SDR Forum) * Visiting Professor, University of Electro-Communications * Chair, IEEE DySPAN-SC * Member, IEEE COM/SDB | * Vice Chair, IEEE 1900.4 WG, 802.15.4g, 802.15.4m * Vice Chair, TIA TR-51 * Chair, Public Broadband Mobile Communication Development Committee, ARIB |
| Paul Houzé | * Standardization Manager, Microsoft * Member, IEEE SASB, AudCom, RevCom * Member, IEEE COM/SDB | * Chair, IEEE 1905.1 WG |
| Glen Kramer | * Technical Director, Broadcom * Member, IEEE COM/SDB | * Chair, IEEE 1904.1 WG |
| Kevin Lu | * Senior Principal Scientist, Broadcom * Director, Standards Development, IEEE ComSoc * Chair, IEEE COM/SDB * Member, IEEE-SA NesCom | * No standards participation |
| R. Venkatesha Prasad | * Senior Researcher, EEMCS, TU Delft * Liaison, IEEE ComSoc AHNTC and TCCC * Member, IEEE DySPAN-SC * Secretary, IEEE COM/SDB | * IEEE P1908.1, P1906.1, P1900.1, P1900.5, P1900.6, P1900.7, P1723, P1909 |
| Don Wright | * Standards Strategies, LLC * Treasurer, IEEE-SA * Member, IEEE-SA BOG * Chair, IEEE-ISTO BOD * Member, IEEE C/MSC, C/IA * Member, ANSI BOD, IPRPCom, IPCom, ISO Council, ISO Forum * Vice Chair, IEEE COM/SDB | * Chair, IEEE 1284, 1284.1, 2600, 2600.1, 2600.2, 2600.3, 2600.4 |
| Rob Fish | * President, NETovations Group, LLC * Affiliated with Rubin-Anders * Affiliated with Drakontas * Member, IEEE-SA BOG * Chair, IEEE-SA Global Coordination Committee * Advisory Member, IEEE COM/SDB | * No standards participation |
| Curtis Siller | * Sole Proprietor, Enginnovation * Member, IEEE SASB NesCom * Member, IEEE PSPB, PSPB-SPC * Member, IEEE-USA CCP * Advisory Member, COM/SDB | * No standards participation |
| Alex Gelman | * CTO, NETovations Group, LLC * Affiliated with Harman * VP, Standards Activities, IEEE ComSoc * Member, IEEE SASB, ICCom, PatCom, Standards Conduct Committee * Ex Officio Member, IEEE COM/SDB * Represents IEEE TAB for the purpose of IEEE standards governance | * No standards participation |
| Sri Chandra | * Senior Regional Program Manager for India, IEEE-SA | * No standards participation |
| Lisa Perry | * Program Manager, Technical Program Development (TPD), IEEE-SA | * No standards participation |
| Joan Woolery | * Senior Program Manager, TPD, IEEE-SA | * No standards participation |

| Participant | Affiliation | Standards Participation |
| --- | --- | --- |
| Chuck Adams | * Distinguished Standards Strategist, Futurewei Technologies * IEEE BoG Activities: China Strategy, Europe Strategy, International Strategy * IEEE-SA SGIP Voting Representative and Member IEEE-SA Smart Grid SIG * IEEE-SA IoT Ad Hoc Chair * IEEE-SA TAB and Public Visibility Liaison | * INCITS Executive Board Alternate Member and IoT SWG Convenor |
| John Bareham | * Consultant in Electroacoustics | * Chair, IEEE Teletest WG |
| Bernd Bochow | * Group Manager, FOKUS | * Chair, IEEE 1900.1 WG |
| Stephen Bush | * Scientist, GE Global Research * Chair, IEEE COM/SPDB | * Chair, IEEE 1906.1 WG |
| Matthew Ceglia | * Client Services Manager, Professional Services, IEEE-SA | * No standards participation |
| Periklis Chatzimisios | * Assistant Professor, ATEITHE | * Secretary, IEEE 1907.1 WG |
| Chau Yuen | * Singapore University of Technology and Design | * No standards participation |
| Stanislav Filin | * Expert Researcher, Smart Wireless Laboratory, NICT | * Chair, IEEE 1900.7 WG * Voting member, IEEE DySPAN-SC, P1900.4 * Voting member, IEEE 802.11, 802.15, 802.19 |
| Xiaoming Fu | * University of Goettingen | * No standards participation |
| Chen Gu | * BII Group | * IEEE P1888.1, P1888.2, P1888.3, P1888.4 |
| Marek Hajduczenia | * xPON Standardization Director, ZTE | * Chair, IEEE 802.3bk * Chief Editor, IEEE P1904.1 |
| Bruce Hartpence | * Professor, RIT | * IEEE P1910.1 |
| Daryl Johnson | * Associate Professor, RIT | * IEEE P1910.1 |
| Bruce Kraemer | * Senior Manager, Strategic Marketing, Marvell Semiconductor * President-Elect, IEEE-SA * Member-At-Large, IEEE-SA BoG * Member, IEEE-SASB AudCom and RevCom | * Chair, IEEE 802.11 |
| Jim LeClare | * PMTS, Maxim Integrated Products | * Chair, IEEE 1901.2 WG |
| Eric Levine | * Associate Publisher/Advertising Sales, IEEE ComSoc | * No standards participation |
| Pascal Lorenz | * University of Haute-Alsace | * No standards participation |
| Hsi-Pin Ma | * Associate Professor, National Tsing Hua University | * No standards participation |
| Syam Madanapalli | * Managing Director, iRam Technologies * Chair, IEEE COM/SDB EWS Study Group | * IEEE 802.16 * IETF |
| Jaime Lloret Mauri | * Associate Professor, Polytechnic University of Valencia * Liaison, IEEE ComSoc TC ComSoft | * Chair, IEEE 1907.1 WG |
| Neeli Prasad | * Associate Professor, Aalborg University | * No standards participation |
| Joel Rodrigues | * University of Beira Interior | * Treasurer, IEEE 1907.1 WG |
| Nirmala Shenoy | * Professor, RIT | * Chair, IEEE 1910 WG |
| Shabnam Sodagari | * Technical Advisor, Oblon Spivak | * No standards participation |
| Bill Stackpole | * Associate Professor, RIT | * IEEE P1910.1 |
| Henry Suthon | * Principal Engineer, Barrios Technology * Liaison, IEEE ComSoc TC CSR | * IEEE P1910.1 |
| Mehmet Toy | * Distinguished Engineer, Comcast | * Metro Ethernet Forum |
| Mehmet Ulema | * Professor, Manhattan College | * Chair, IEEE 1903 WG |
| C. Scott Willy | * Product Manager, Avisto Telecom * Standardization Manager, MStar Semiconductor | * Member, IEEE P1901 * Member, IEEE P1905.1 |
| Jinsong Wu | * Alcatel-Lucent | * No standards participation |

**Appendix B: ComSoc Technical Committee and Subcommittee Liaisons**

| **Technical Committee** | **Liaison** | **Affiliation** |
| --- | --- | --- |
| Ad Hoc & Sensor Networks | R. Venkatesha Prasad | TU Delft |
| Cognitive Networks | Mouli Chandramouli | Stevens |
| Communications & Information Security | Neeli Prasad | Aalborg University |
| Communications Quality & Reliability | Hideaki Yoshino | NTT |
| Communications Software | Jaime Lloret Mauri | Polytechnic University of Valencia |
| Communications Switching & Routing | Henry Suthon | Barrios Technology |
| Communications Systems Integration & Modeling | Harry (Charalabos) Skianis | U Aegean |
| Communication Theory | Sana Sfar | HKUST |
| Computer Communications | R. Venkatesha Prasad | TU Delft |
| Data Storage | Tiffany Jing Li | Lehigh |
| e-Health | Hsi-Pin Ma | National Tsing Hua University |
| High-Speed Networking | Gumaste Ashwin | IIT/MIT |
| Information Infrastructure & Networking | Yacine Ghamri-Doudane | ENSIIE |
| Internet | Periklis Chatzimisios | ATEITHE |
| Multimedia Communications | Ali Begen | Cisco |
| Network Operations & Management | Marcus Brunner | NEC Europe |
| Optical Networking | Josué Kuri | Infinera |
| Power Line Communications | Haniph Latchman | U Florida |
| Radio Communications | George Chrisikos | Qualcomm |
| Satellite & Space Communications | Igor Bisio | University of Genoa |
| Signal Processing & Communications Electronics | Octavia Dobre | Memorial University |
| Transmission, Access, & Optical Systems | Frank Effenberger | Huawei |
| Wireless Communications | Sumei Sun | Institute for Infocomm Research |
| **Emerging Technical Subcommittee** |  |  |
| Applications of Nanotechnologies in Communications | Dilip Krishnaswamy | Qualcomm |
| Autonomic Communications | Spyros Denazis | University of Patras |
| Cable Networks & Services | Mehmet Toy | Comcast |
| Cloud Communications & Networking | Masum Z. Hasan | Cisco |
| Green Communications and Computing | Jinsong Wu | Alcatel-Lucent |
| Human Centric Communications | John Buford | Avaya |
| Innovation and Standards in Information and Communication Technologies (ISICT) | SM Hasan | GE |
| Integrated Fiber & Wireless Technologies | Steve Weinstein | CTTC |
| Internet of Things | Latif Ladid | IPv6 Forum |
| Nano-Scale, Molecular, and Quantum Networking | Andrew Eckford | York University |
| Peer-to-Peer Networking | John Buford | Avaya |
| Situation Management | Gabe Jakobson | Altusys |
| Smart Grid Communications | Petar Popovski | Aalborg University |
| Social Networks | Kwang-Cheng Chen | National Taiwan University |
| Vehicular Networks & Telematics Applications (VNTA) | T. Russell Hsing | National Chiao Tung University |