

IEEE ComSoc Technical Committee on Power Line Communications

GLOBECOM 2009, Committee Meeting

Honolulu, Hawaii, USA – November 30, 2009

Present (17):

(in order of signing the attendance sheet)

1. Andrea Tonello (phone)
2. Salvatore D'Alessandro (phone)
3. Mauro Biagi (phone)
4. Moises Ribeiro (phone)
5. Pierre Siohan (phone)
6. Marco Chiani
7. Jim LeClare
8. Curtis Siller
9. Don Shaver
10. Angelantonio Gnazzo
11. Ralph Lehnert (phone)
12. Riccardo Raheli
13. Mussa Bshara
14. Masaaki Katayama
15. Stefano Galli
16. David Su
17. Lutz Lampe

Agenda

1. Welcome and introduction
2. Approval of previous meeting minutes.

Available on-line, see <http://www.comsoc.org/bopl/> - Click on the "Meetings" tab.

3. Presentation of the proposal to host ISPLC 2011 in Udine
4. Vote on ISPLC 2011 proposal. Only active members may cast a vote (see TC P&Ps available on the committee website: <http://www.comsoc.org/bopl/> - click on the "Organization" tab)
5. Conference activities:
 - a. Report on the 2009 Vertical Workshop in Udine
 - b. Report on Globecom 2009
 - c. Report on IEEE ISPLC 2010
 - d. Report on Globecom 2010
 - e. Call for the 2010 Vertical Workshop on PLC
6. Report on Standardization activities
7. TC-PLC matters
 - a. Awards and Nominations issues

- b. PLC document database
 - c. N&EC formation for upcoming elections
 - d. Smart Grid activities in ComSoc and TC-PLC
8. Other Issues brought up by members
9. Adjourn

Meeting Minutes.

1) Welcome and introduction (7.35 pm)

Welcome by Chairman Stefano Galli.

2) Change of agenda to let attendees connected on the phone report first

Approved with no opposition.

3) Approval of previous meeting minutes - Available on-line, see <http://www.comsoc.org/bopl/> - Click on the "Meetings" tab.

Minutes approved with no opposition.

4) Report on IEEE ISPLC 2010

Moises Ribeiro reports on preparations for 2010 IEEE ISPLC.

- Number of submissions until Nov. 30: 107
- Difficulty in getting corporate financial sponsorship
- Possible sponsorship from Brazilian Government
- Discussion items: possible second submission deadline extension, obtain sponsorship

5) Presentation of the proposal to host ISPLC 2011 in Udine

Andrea Tonello presents proposal for 2011 IEEE ISPLC

Discussion items: conference dates
 involvement of PES
 budget and registration fees

6) Vote on ISPLC 2011 proposal

The proposal was accepted unanimously (one abstention by proposer Andrea Tonello)

7) Report on Standardization activities

Stefano Galli, Curtis Siller (incoming Director of ComSoc Standards Boards)

- TC-PLC should get involved in standardization project requests/proposals, e.g., proposal on standardization on narrowband PLC made at ComSoc Standards Board meeting)
- P1901 is in comment resolution phase, and it is expected to finish addressing all comments at the December meeting.
- ITU-T G.hn is also going forward. The PHY of G.hn (ITU Recommendation G.9960) received final approval by ITU-T in October 2009. The specification addresses all in home wired communications.

- ITU-T G.9972 (PLC coexistence) was consented in October 2009, became Recommendation G.9972 and will now enter comment resolution phase.
- P2030 activities toward Draft Guide for Smart Grid Interoperability ongoing in three Task Forces (TC), see http://grouper.ieee.org/groups/scc21/2030/2030_index.html
- NIST Smart Grid Interoperability website <http://www.nist.gov/smartgrid/>

Related activities:

Ralf Lehnert mentions

- a new European FP7 project named DLC+VIT4IP (Distribution Line Carrier: Verification, Integration and Test of PLC Technologies and IP Communication for Utilities) will start in Jan 2010 and last until Dec 2012.
- See Appendix, at the end of minutes.

Don Shaver mentions further related activities

- ERDF G3 specification
http://www.erdfdistribution.fr/fichiers/fckeditor/File/ERDF/2009/doc_linky/PLC%20G3%20Profile%20Specification.pdf
- PRIME
http://www.iberdrola.es/webibd/gc/prod/en/doc/MAC_Spec_white_paper_1_0_080721.pdf

8) Continuation of Report on Conference Activities

a. Report on the 2009 Vertical Workshop in Udine

Andrea Tonello reports on the workshop.

See slides posted at www.comsoc.org/bopl (under Past Events, Third Workshop on Powerline Communications).

Discussion item: Should we elevate the Workshop to a regular conference?

b. Report on Globecom 2009

Masaaki Katayama reports on PLC in Globecom 2009 as part of Symposium on SAC (See Appendix, at the end of minutes)

Report on Globecom 2010

Stefano Galli presents the report by Francisco Canete on PLC in Globecom 2010 as part of Symposium on SAC.

- PLC has prominent place in CFP; including Smart Grid
- Paper submission deadline March 15, 2010
- 14 TPC members from TC-PLC
- Our proposal for Feature Speakers in SAC: Mohsen Kavherad
- Call for GC10 tutorial and workshop proposals

c. Call for Workshop 2010

Potential workshop organizers will be approached by the TC-PLC leadership. Coordination with new FP7 project (Ralf Lehnert) possible.

9) TC PLC matters

- a. Awards and Nominations issues

The ANC made two nominations of TC-PLC members for ComSoc awards; results not public yet.

TC members should be encouraged to become IEEE Senior Member. The ANC is requested to send instructions to members and to create a list of Senior Members in the TC-PLC.

b. PLC document database

The formation of a board of librarians is still ongoing.

c. N&EC formation for upcoming elections

An N&EC for the upcoming elections has been formed. Chair: Stefano Galli, Members: Masaaki Katayama, Riccardo Raheli, Ralf Lehnert

d. Smart Grid activities in ComSoc and TC-PLC

Stefano Galli reports:

- PES conference in January, hosted by NIST
- ICC 2010 Smart Grid Workshop
- ComSoc is planning a conference in October 2010 on Communications for Smart Grid
- PES IEEE Transactions on Smart Grid
- Elevate scope of ISPLC to IS on Smart Grid Communications with PLC one element? Discussion to be continued at 2010 IEEE ISPLC.

David Su reports about NIST activities.

10) Adjourn

The meeting was adjourned at 10:25 pm.

Final. Lampe

Appendix (by Ralf Lehnert):

A new European FP7 project named DLC+VIT4IP (Distribution Line Carrier: Verification, Integration and Test of PLC Technologies and IP Communication for Utilities) will start in Jan 2010 and last until Dec 2012.

Abstract:

DLC+VIT4IP will develop, verify and test a high-speed narrow-band powerline communication infrastructure using the Internet Protocol (IP) which is capable of supporting existing and extending new and multiple communication applications. These shall include the existing power distribution network for novel services in smart electricity distribution networks such as demand side management, control of distributed generation and customer integration. From a communication perspective, the powerline network offers advantages in coverage, costs and availability. On the application side the Internet protocol (IP) suite is an

increasingly used protocol stack in many supervisory and control application fields which include the energy sector.

To efficiently integrate both technologies and achieve the necessary performance and reliability DLC+VIT4IP will extend existing PLC technologies by developing:

1. Efficient transport of the IP(v6) protocol
2. Automatic measurement, configuration and management
3. Security
4. Real-time capabilities
5. Channel models and simulation tools for network planning and design

Models and the developed system will be tested and verified in a field test.

Outcomes of the project will include a prototype for a high performance communications infrastructure, simulation and planning tools. Testing and conformance rules for application developers and users to choose an appropriate technology for their needs are key drivers for end use. Many of these outcomes will be transferred to standardisation."

There are 11 partners from Italy, The Netherlands, UK, Germany, Israel, Austria. The consortium is lead by Jörg Müller from KEMA, Bonn, Germany.

Appendix (by Masaaki Katayama)

Symposium on Selected Areas in Communications

Track: Emerging Tech. for Access Sys. and Nets

TAOS and PLC

about 30 TPC members

41 papers submitted (PLC 9)

12 papers accepted (PLC 3)

Two sessions

SAC(ET)-01: Ethernet PON and Wireless Access Networks

Chair: Marco Chiani (University of Bologna, Italy)

Wed. 2 1630-1830

SAC(ET)-02: Power-Line Communications and Technologies for Access Networks

Chair: Lutz Lampe (University of British Columbia, Canada)

Thu. 3 1015-1215

GC2009 overall

Paper submission

- Deadline extension of two weeks - Big help!

- 3300+ papers received

Paper selection

- 3170 papers reviewed

- 1104 papers selected (34.8% acceptance ratio)

Tutorials

- 60+ proposals received
- 24 half-day proposals

Workshop

- 25+ proposals received
- 9 workshops

Plagiarism

- One case detected and reported
- "similarity score" very helpful