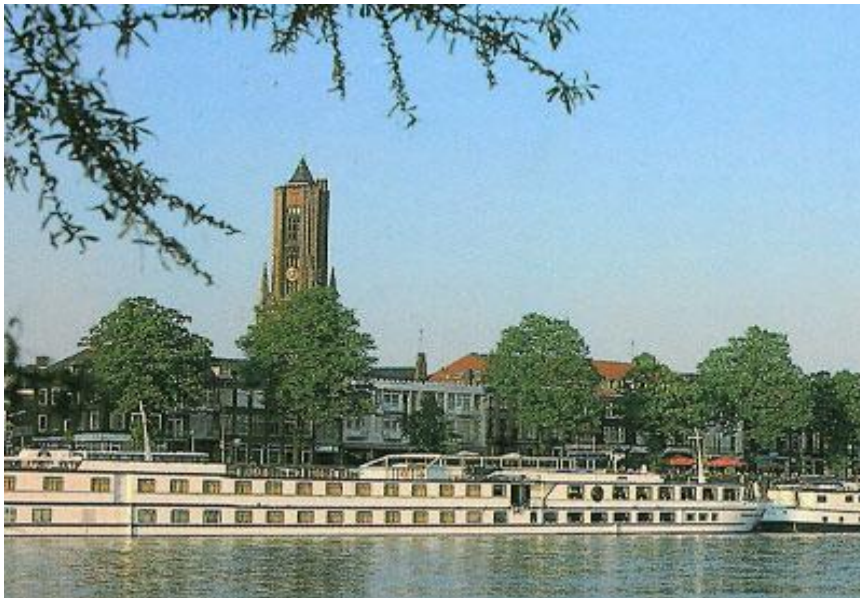


5th WSPLC 2011

Fifth Workshop on Power Line Communications "Power Line Communication – For the Grid of the Future"

22- 23 September, WTC Arnhem
Arnhem, The Netherlands

Supported by: -The IEEE Technical Committee on PLC (TC – PLC)
-The IEEE ISPLC Steering Committee



Arnhem: View of the city with the river Rhine and the Eusebius Church.

Chairmen:

Hans C. Pille, KEMA (The Netherlands)

Kiwi Smit, Alliander (The Netherlands)

For information:

hans.pille@kema.com /

kiwi.smit@alliander.com

NEW!

The participation fee for the WSPLC2011 is **EUR 150,-**, to be paid cash on location.

NEW!

PROGRAMM OUTLINE:

Thursday 22 September:

09:00 – Welcome; Start of WSPLC2011-Day 1

12:30 – 13:30 Lunch

17:00 – End of day 1.

~19:00 – Dinner & Social Event

Friday 23 September:

09:00 – Start of WSPLC2011-Day 2

12:30 – 13:30: Lunch

~15:00 – End of WSPLC 2011

- **Deadline of final papers is 9th of September.** (hans.pille@kema.com / kiwi.smit@alliander.com)

NEW! Please scroll down for travelling information and recommended hotels.

WSPLC2011- Travelling information and Recommended Hotels

LOCATION:

The WSPLC2011 on the 22nd / 23rd will be in the WTC which is next to Arnhem Central Station' (railway), across the street from the Haarhuis hotel (recommended hotel – see below).

TRAVELLING:

There are 2 possible airports Amsterdam/Schiphol or Dusseldorf. Arnhem is almost in the middle of these two cities.

1. If you arrive at **Amsterdam/Schiphol Airport (AMS):** (Most convenient)
The best way to reach Arnhem is to take the train. Trains from Schiphol Airport to Arnhem leave every 30 minutes, the trip takes about 75 minutes (around 15 Euros the one way ticket, no reservation needed). For time tables: See <http://ns.nl/en>
2. If you arrive at **Düsseldorf Airport (DUS):**
There is an ICE railway connection from Düsseldorf Airport. Depending on the number of transfers, the trip may take upto 3 hours. You have to change at Duisburg or Düsseldorf. See <http://www.nshispeed.nl/en> for time table and bookings.

RECOMMENDED HOTELS:

It is recommended to book at the **Haarhuis Hotel** which is across the street from the railway station and the WTC. For contact info see: <http://www.bestwestern.nl/en/best-western-hotel-haarhuis>
Bookings can be made by email (reserveringen@hotelhaarhuis.nl) or by telephone: (+31 26 4427441).
We reserved a block of rooms until 1 September; please quote the reference code BWH-GF10631 with your booking!! This code will also give you the discount KEMA negotiated with the hotel.

An alternative is the **Rijn Hotel** (not too far from the WTC: 20 ~30 minutes walking, for information see <http://www.nh-hotels.com/nh/en/hotels/the-netherlands/arnhem/nh-rijnhotel.html>).
Bookings can be made by email (nhrijnhotel@nh-hotels.com) or by telephone (+31 26 4434642).
We reserved a block of rooms until 1 September; please quote the reference code WSPLC with your booking!! This code will also give you the discount KEMA negotiated with the hotel.

For both hotels: first come first served, the number of rooms is limited.

Day 1**9.00 – 9.15****Welcome****9.15 - 9.45**

Mauro Biagi

University Roma

Neighborhood-Knowledge based Routing in PLC

9.45 – 10.15

Lutz Lampe

The University of British
Columbia

A Study on Relay Network Techniques in PLC

10.15 – 10.45

Anser Mehboob

Leeds University

Performance of Compressed-sensing Detection of Realistic
Impulse Noise in PLC Systems**10.45 – 11.00****Coffee****11.00 – 11.30**

Wenqing Liu

Karlsruhe Institute of
TechnologyDevelopment and Application of GPS-based Time
Synchronization in Power Line Channel Characterization**11.30 – 12.00**

Tarkesh Pande

Texas Instruments

Channel modeling for MV/LV AMI applications in the frequency
range < 500 kHz**12.00 – 12.30**

Lutz Lampe

The University of British
ColumbiaInferring Power Line Network Topology Using
Frequency Domain Reflectometry**12.30 – 13.30****Lunch****13.30 – 14.00**

Bernd Hirschler

Austrian Academy of Sciences

IPv6 and PLC

14.00- 14.30

Stanislav Mudriievskiyi

TU Dresden

Common ns-3 Narrowband PLC Simulator for Large Networks

14.30 -15.00

Rafi us Shan

Lancaster University

IPv6 and Robust Header Compression for Digital Line
Communication

Day 1

15.00 – 15.15

Coffee

15.15 – 15.45

Javad Khangosstar

Leeds University

Adaptive Modulation for LDPC coded-OFDM based Powerline communication system

15.45 – 16.15

Mauro Biagi

University Roma

Pulse Shaping vs. OFDM Transmission Techniques for InHome Power Line Communications

16.15-17.00

Noushin Karimian

University of Lancashire

Design and Analysis of OFDM System for Powerline Based Communication

19.30 -

Dinner

Day 2

9.00 – 9.45	Frans Campfens	Alliander	SmartGrids / Smart Networks? The role of (PLC) communication in future energy networks.
9.45 – 10.30	Bamidele Adebisi	Lancaster University	PLC Channel Modelling for Smart Grid Applications
10.30 – 10.45	Coffee		
10.45 - 11.15	Martin Sigle	Karlsruhe Institute of Technology	Software Defined Modem Development for Narrowband PLC Systems
11.15 – 11.45	Christian Lewandowski	TU Dortmund	Performance Evaluation of PLC over the IEC 61851 control pilot
11.45 – 12.15	Antti Pinomaa	Lappeenranta University of Technology	Power Line Communication – For the Grid of the Future
12.15 – 13.15	Lunch		
13.15 – 13.45	Vincent Vancaeyzeele	Eandis	Innovating PLC systems, Belgium pilot using filtering and multi-gateway
13.45 - 14.15	Willem Strabbing	ESMIG	Interoperability and Standards.