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WG6.2 (Network and Internetwork Arch.)  
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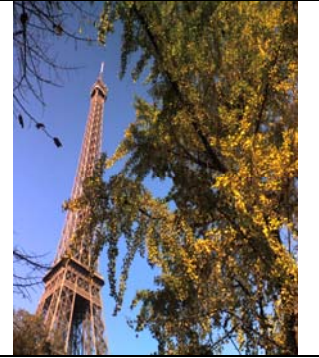
IEEE France

# Home Networking 2007

4 place Jussieu – Paris 5è, France

December 10 – 12, 2007

<http://www.home-networking2007.org/>



Day	Time	Plenary
Mon	08:30 AM - 09:30 AM	Registration
	09:30 AM - 11:00 AM	<ul style="list-style-type: none"> <li>Welcome and opening presentation</li> <li>Wi-Fi <u>Vic Hayes, TU Delf, Netherland</u></li> </ul>
	11:00 AM - 11:30 AM	Coffee Break
	11:30 AM - 01:00 PM	<u>WiMAX, Wi-Fi</u>
	01:00 PM - 02:00 PM	Lunch
	02:00 PM - 03:30 PM	<u>Very high throughput Home</u>
	03:30 PM - 04:00 PM	Coffee Break
	04:00 PM - 06:00 PM	<u>Management, control &amp; energy</u>
	07:30 PM	Gala Diner
Tue	09:00 AM - 10:30 AM	<ul style="list-style-type: none"> <li>PLC <u>Werner Fehn, Devolo AG, Germany</u></li> </ul>
	10:30 AM - 11 :00 AM	Coffee Break
	11:00 AM - 12:30 PM	<u>Autonomic management and discovery</u>
	12:30 PM - 02 :00 PM	Lunch
	02:00 PM - 03:30 PM	<u>Autonomic and Routing</u>
	03:30 PM - 04:00 PM	Coffee Break
	04:00 PM - 05:30 PM	<u>Autonomic and Routing 2</u>
Wed	09:00 AM - 10:30 AM	<ul style="list-style-type: none"> <li>ZigBee <u>Bob Heile, chairman of the ZigBee Alliance, USA</u></li> </ul>
	10:30 AM - 11 :00 AM	Coffee Break

11 :00 AM - 12:00 AM	<u>Autonomic management and discovery 2</u>
12:00 AM - 11:00 AM	<u>Normalization</u>
01 :00 PM - 02:30 PM	<b>Lunch</b>
02:30 PM -04:00 PM	<u>Services</u>

**Monday, Dec 10, 2007**

**08:30 AM - 09:30 AM - Registration**

**09:30 AM - 11:00 AM - Opening of the conference and keynote**

- *Welcome and opening presentation*
- *Wi-Fi (KEYNOTE)*

*Vic Hayes, TU Delf, NL*

**11:00 AM - 11:30 AM - Coffee Break**

**11:30 AM - 1:00 PM**

**WiMAX, Wi-Fi**

- An emission/reception chain modelling of the WiMAX access network, Nicolas Fourty, Thierry Val, Philippe Fraisse
- IEEE 802.11 Goodput Analysis for Mixed Real Time and Data Traffic, Alex Grote, Walter Grote, Rodolfo Feick
- An efficient trigger to improve intra-WiFi handover performance, Roberta Fracchia, Guillaume Vivier

**01:00 PM - 02:00 PM - Lunch**

**2:00 PM - 3:30 PM**

**Very high throughput Home**

- OMEGA (Home Gigabit Access), (INVITED PRESENTATION), Martial Bellec, FTR&D, FR



- Ultra Wide Band over fibre transparent architecture for High Bit-rate Home Networks, Anna Pizzinat, Franck Payoux, Benoit Charbonnier, Sylvain Meyer
- Home Networking at 60 GHz: Challenges and Research Issues, Zulkuf Genc, Bao Linh Dang, Jing Wang, Ignas Niemegeers

### **03:30 PM - 04:00 PM - Coffee Break**

### **4:00 PM - 6:00 PM**

#### **Management, control & energy**

- Energy Efficiency in Future Home Environments: A Distributed Approach, Helmut Hlavacs, Karin A. Hummel, Roman Weidlich, Amine Houyou, Andreas Berl, Hermann de Meer
- Avoiding energy-compromised hotspots in resource-limited wireless networks, Joseph Rahmé, Aline Viana, Khaldoun Al Agha
- QoS Management in Autonomic Home Networks, Kaouthar Sethom, Nassim Laga, Guy Pujolle
- Managing collaboration and competition of multiple WAN services in a residential network, Wouter Haerick, Nico Goeminne, Jan Coppens, Filip De Turck and Bart Dhoedt

### **07:30 pm Gala Diner**

**Tuesday, Dec 11, 2007**

### **09:00 AM - 10:30 AM**

- *PLC (KEYNOTE)*

*Werner Fehn, Devolo AG, Germany*

### **10:30 AM - 11:00 AM - Coffee Break**

### **11:00 AM - 12:30 PM**

#### **Autonomic management and discovery**

- HomePlug AV : the next PLC standard, Onado Onado
- Coherence Bandwidth and its Relationship with the RMS delay spread for PLC channels using Measurements up to 100 MHz, Mohamed Tlich, Gautier Avril, Ahmed Zeddam



- Time/Frequency Analysis of Impulsive Noise on Powerline Channels, Gautier Avril, Mohamed Tlich, Fabienne Moulin, Ahmed Zeddami, Fabienne Nouvel

## 12:30 PM - 02:00 PM – Lunch

## 2:00 PM - 3:30 PM

### Autonomic and Routing

- New architecture for an Ultra Broadband Home Area Network with spread connectivity and autonomic functions, Pierre Jaffré, Romain Insler, Vasilis Freiderikos, Sylvain Meyer, Martial Bellec
- Group Source Routing Protocol with Selective Forwarding for Mobile Ad Hoc Networks, Hoon Oh and Do Minh Ngoc
- Intelligent routing scheme in Home Networks, Gérard Nguengang, Lionel Molinier, Julien Boite, Dominique Gaïti, Guy Pujolle

## 03:30 PM - 04:00 PM - Coffee Break

## 4:00 PM - 5:30 PM

### Autonomic and Routing 2

- OpenPattern project: a comprehensive modular routing platform, Florian Fainelli, Xavier Carcelle, Etienne Flesch, Gwenaél Saint-Genest, Hossam Afifi
- A Design of Context aware Smart Home Safety Management using by Networked RFID and Sensor Byunggil Lee and Howon Kim
- Embedded Script-Driven Home-Automation with Sensor Networks, Thomas Haenselmann, Thomas King, M. Busse, Wolfgang Effelsberg, Markus Fuchs

## Wednesday, Dec 12

## 09:00 AM - 10:30 AM

- *ZigBee(KEYNOTE)*

*Bob Heile, Chairman ZigBee Alliance, USA*

## 10:30 AM - 11:00 AM - Coffee Break

## 11:00 AM - 12:00 PM

### Autonomic management and discovery 2



- Next WSN applications using ZigBee, Xavier Carcelle, Bob Heile, Christian Chatellier, Patrick Pailler
- Using 802.15.4 to communicate and extend functionality in X10 wired networks, William Wallace, Jose I. Moreno, Ruben Hidalgo

## **12:00 PM - 1:00 PM**

### **Normalization**

- IPv6 and Homenetworking, Tayeb Ben Meriem
- Hand-around on seamless services and mobility in home networking, Pei-Yuan Qiu, Min-Shu Hung, Jen-yi Pan, Kuo-Pao Fan, and Jui-Wen Chen

## **1:00 PM - 02:30 PM – Lunch**

## **02:30 PM - 4:00 PM**

### **Services**

- Dynamic TCO Optimization for IPTV Service provider, Pejman Goudarzi, P. Goudarzi, M. Adeli, M.M. Azadfar, F. Ayatollahi
- Networked Appliances for Home Healthcare and Lifestyle Management, Paul Fergus, David Llewellyn-Jones, Madjid Merabti, Arshad Haroon
- Remote Access VPNs Performance Comparison between Windows Server 2003 and Fedora Core 6, Ahmed A. Joha, Fathi Ben Shatwan, Majdi Ashibani

### **Closing Session**

