



KNX Scientific Conference 2006

www.konnex.org

Vienna, Austria
9th and 10th November 2006

Programme

Thursday, 9th November 2006

09:00 **Registration**

09:30 **Welcome and Opening Address**

W. Kastner – Vienna University of Technology

J. Demarest – Administration & Certification Director, KNX Association

Session 1: J. Demarest

10:00 **New opportunities in smart metering with KNX**

Mr S. De Bruyne – KNX Association

10:30 **Possible impact of intelligent technologies application in residential buildings on energy efficiency**

Mr M. Zalesak – Tomas Bata University Zlin

11:00 **Experimentation through the comparison of heating and lighting system performance in buildings with or without an automation control system**

Ms M. Chiogna – University of Trento

11:30 **KNX-based Energy Efficient Heating and Lighting in Educational Buildings**

Prof. M. Mevenkamp – Hochschule Bremen

12:00 **Lunch**

Session 2: W. Kastner

13:00 **EIBsec: A Security Extension to KNX**

Mr W. Granzer – Vienna University of Technology

13:30 **Policy-based approach for user privacy protection in the KNX Aware House**

Dr. C. Fernández-Valdivielso – Universidad Publica de Navarra

14:00 **A versatile networked embedded platform for KNX**

Mr F. Praus – Vienna University of Technology

14:30 **Implementation of the KNX landscape**

Dr. T. Weinzierl – Weinzierl Engineering GmbH, Tyrlaching

15:00 **Coffee Break**

Session 3: S. De Bruyne

15:30 **Interoperable Web Services for Building Automation: Integrating KNX**

Mr M. Neugschwandtner – Vienna University of Technology

16:00 **XML Encoding**

Mr H.-J. Langels – Siemens AG

Social Event

20.00 **Welcome Reception and KNX Scientific Award Ceremony**

City Hall of Vienna, Rathauskeller, Salon Lanner

Entrance: 1010 Vienna (First district), Rathausplatz 1

Meeting point is 19.30 at the library.

Friday, 10th November 2006

Session 4: G. Neugschwandtner

- 09:00 **Application controller on the KNXnet/IP medium**
Mr A. Fecke – WAGO Kontakttechnik GmbH & Co. KG
- 09:30 **SIM – KNX a serial interface for KNX**
Mr P. Tomic – Tapko Technologies GmbH
- 10:00 **Enhanced Networked Architecture for Personalised Provision of AV Content within the Home Environment**
Mr K. Steblovnik – Gorenje
- 10:30 **My Home – Development of a visualization application for KNX**
Prof. Dr.-Ing. A. Grzempa – University of Applied Sciences Deggendorf
- 11:00 **Coffee Break**

Session 5: H.-J. Langels

- 11:30 **Upscaling KNX for Major Projects Applications**
Mr S. Berry, Mr S. Duncan – ATL Andromeda Telematics Limited, Surrey UK
- 12:00 **Comparative Analysis of EIB/KNX and LonWorks Standards**
MSc. A. Ozadowicz, AGH – University of Science and Technology, Krakow, Poland
- 12:30 **Wireless Communication in KNX**
Mr C. Reinisch – Vienna University of Technology
- 13:00 **Lunch**

Field Trip/Excursion

- 14:00 **“KNX in Action”**
We visit a KNX installation at “Verbund - Austria's leading electricity company” head office.
Address: Am Hof 6a, 1010 Vienna
This is the perfect opportunity to see such an installation in action.
Meeting point is 14.00 at the conference hall.



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