

REHVA CONFERENCE

3 BRUSSELS SUMMIT
12-13 November 2018

Tuesday 13 November 2018, 9.30 – 16:30
PENTA Hotel, Chaussee de Charleroi 38, 1060 Brussels, Belgium

“Smart buildings for smart users - implementing the new EPBD”

AGENDA

09:15 *Registration*

09.30 **Welcome and opening**

Stefano Paolo Corgnati, REHVA President

SESSION 1

Chairs: Stefano Paolo Corgnati, REHVA President; Jarek Kurnitski, REHVA Vice-President

09.40 **Smart Readiness Indicator in the new EPBD**

Sylvain Robert, Policy Officer, Energy Efficiency, European Commission

10:05 **IEA Annex 67 - energy flexible buildings**

Bart Bleys, BBRI, IEA Annex 67 Co-Subtask Leader

10:30 **Smart buildings to maximise user comfort**

Ivo Martinac, KTH, Chair of the REHVA Smart Buildings Task Force

10:55 **Smart users for smart buildings. The Mobistyle project**

Simona D'Oca, PhD, Huygens Engineering

11:20 *Coffee break*

11:45 **Digital monitoring, inspection and the role of BACS in the new EPBD**

Pau Garcia-Audi, Policy Officer, Energy Efficiency, European Commission (TBC)

12:05 **Technical monitoring and quality management of HVAC systems**

Stefan Plessner, Synavision/TU-Braunschweig, REHVA-QUANTUM Commissioning Task Force

12:30 **Questions and discussion**

13:00 *Networking Lunch*

SESSION 2

Chair: Atze Boerstra, REHVA Vice-President

14:30 **Model predictive control and its application in hybridGEOTABS systems**

Filip Jorissen, PhD, KU Leuven

14:55 **Predictive maintenance of building systems using BACs**

TBC, eu.bac (TBC)

15:20 **Chiller and heat pump. Technology and market trends.**

Leonardo Prendin (TBC), Rhoss

15:45 **Ventilation and climate control. Market and product development trends.**

TBC, DAIKIN

16:10 **Questions and discussion**

16:30 **Closing remarks**



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About the event co-funders



www.quantum-project.eu

@QUANTUM_H2020

Quality Management for Building Performance

QUANTUM is a four year-long EU funded project, started in January 2016. The underlying concept of QUANTUM is that the gap in buildings predicted and monitored performances is not caused by a lack of technology or conceptual intelligence, but by a lack of quality. The consortium targets to reduce this gap by developing and demonstrating pragmatic tools and services for Quality Management (QM), supported by three ICT-driven tools. These tools enable effective QM in all relevant services within the building life cycle, by addressing 1) specification and automated validation of Building Management System functions, 2) in-situ energy metering combined with online data analysis, 3) evaluation of perceived users' comfort via web-based questionnaires. The overall core mechanism is to "design for testability" by specifying transparent performance targets with cost effective testing methodologies.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n. 680529



www.hybridgeotabs.eu

@hybridGEOTABS

Model Predictive Control and Innovative System Integration of GEOTABS in Hybrid Low Grade Thermal Energy Systems

hybridGEOTABS is an active group of developers, engineers & academics with a common interest in optimising coupled geothermal heat pumps (GEO-HP) and thermally activated building systems (TABS), alongside secondary heating & cooling systems. The consortium is designing an improved, automated Model Predictive Control (MPC) solution for testing on hybrid supply and emission systems in demonstration buildings such as offices, elderly care homes, schools and apartment blocks. Applying MPC to hybridGEOTABS optimises the performance and efficiency, making it more economically attractive and increasing take up.

The group is underpinned by a EU funded research project lasting four years, until August 2020.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n. 723649



www.mobistyle-project.eu

@MOBISTYLE_EU

Motivating End-Users Behavioral Change by Combined ICT Based Tools and Modular Information Services on Energy Use, Indoor Environment, Health and Lifestyle

Since October 2016, the H2020 project MOBISTYLE aims at motivating behavioral change by raising consumer awareness through a provision of attractive personalized information on user's energy use, indoor environment and health, through ICT-based services. The consortium adopted a people-centered approach to identify the most relevant motivational factors and Key Performance Indicators for encouraging a more energy conscious and healthy lifestyle across Europe. Behavior change is achieved through awareness campaigns, encouraging users to be pro-active about their energy consumption and to simultaneously improve health and well-being.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n. 723032