

“Development of an energy efficient façade: Current technologies and measurement installation”

German-Polish Energy Efficiency Project (GPPE) Final Conference
in frame of the Sustainable Built Environment Conference 2016 Innovation Forum

09th March 2016, Location: HafenCity University, Hamburg

Programme

Moderation: Prof. Dr. Walter Leal, HAW Hamburg

Background: The GPPE project (German Polish Energy Efficiency Project) fosters energy efficiency in buildings as a means to contribute to climate protection in German and Polish Cities. The focus of the project is to develop a facade technology for "zero-emission buildings". After 3 years of project implementation, innovative solutions with regard to measurement of energy efficiency in buildings as well as the design of energy efficient façade technology will be presented and discussed in frame of this session.

SESSION A – Introduction – Keynote – Measurement of energy efficiency in buildings

- 02.00 p.m. **Welcome & introduction of the GPPE project**
Prof. Dr. Walter Leal, HAW Hamburg, Coordinator of the German Polish Energy Efficiency Project (GPPE)
- 02:15 **Keynote: Towards Sustainable and Solar Buildings – an integrated approach,**
Astrid Schneider, AIT Austrian Institute of Technology, Vienna, Austria
- 02.55 **Best Practice: Open Source Energy Monitoring for Scientific Applications**
Nils Heinrich, Envidatec GmbH, Hamburg, Germany
- 03.15 p.m. Question and answer session with the speakers of session A
- 03.30 p.m. *Coffee break*

SESSION B – Aspects of energy efficient façade technology

- 04.00 p.m. **Temperature distribution in the mineral wool insulation component enhanced by PCM external covering**
Anna Wieprzkowicz, Technical University of Lodz, Poland
- 04.25 p.m. **Energy efficiency of experimental BIPV facade in high temperatures**
Dominika Knera, Technical University of Lodz, Poland
- 04.50 p.m. **Assessment of daylight conditions in the office room equipped with reflective louver system**
Artur Borowczyński, Technical University of Lodz, Poland
- 05.15 p.m. Question and answer session with the speakers of session B
- 05.25 p.m. Wrap-up and closing remarks
- 05.30 p.m. End of GPPE Final Conference / Innovation Forum