



**First Announcement – Save the Date!**  
**DEEP ENERGY RETROFIT OF BUILDINGS**  
**Technical and Business Strategies**  
**September 15-16, 2016**

**Dear Distinguished Colleague,**

The Federal Facilities Council of the National Academies of Sciences, Engineering, and Medicine in partnership with the International Energy Agency EBC Program Annex 61, US Army Corps of Engineers, U.S. General Services Administration, the American Society of Heating, Refrigerating and Air-Conditioning Engineers and the U.S. Department of Energy would like to invite you and representatives of your organization to participate in the “Deep Energy Retrofit of Buildings” Forum to be held in Washington, D.C. at the National Academy of Sciences, Engineering, and Medicine (2101 Constitution Ave., N.W.) on September 15-16, 2016.

When buildings are renovated the energetic targets are usually kept to the minimum requirements resulting in a reduction of energy use in typical retrofit projects between 10 and 20%. Considered from the perspective of a life-cycle of a typical building this approach is a “lost opportunity.” Recent research from actual executed energy projects around the globe shows that energy reduction can exceed 50%, and that renovated buildings can cost effectively achieve the passive house standard or even approach a net zero energy status.

The Forum will include presentations addressing the following topics:

- Energy requirements with major renovation projects
- What is Deep Energy Retrofit and what does it mean for different building types, usages, climates and economic framework
- Deep Energy Retrofit Case studies from around the globe
- Core technologies bundle to achieve Deep Energy Retrofit
- How can quality assurance be achieved
- Economics of Deep Energy Retrofit
- With which business and financial models for Deep Energy Retrofit projects can be carried out cost effectively

Formal presentations by international experts will be complemented by moderated formal and informal discussions, networking and technical exhibits demonstrating the state-of-the-art technologies and best practices used in Deep Energy Retrofit projects. This forum is designed for decision makers, public building owners, energy managers, planners, engineers, architects, energy performance companies and industry partners involved in major renovation of buildings.

We ask you to mark this date in your agenda and are looking forward to seeing you in Washington.

With kind regards,

Alexander Zhivov and Rüdiger Lohse, Forum co-chairs

Organizing Committee:

Dr. Alexander Zhivov, ERDC (U.S.A.) – Co-chair  
Rüdiger Lohse, KEA (Germany) -Co-Chair  
Cyrus Nasser, DOE FEMP (U.S.A.)  
Kinga Porst, GSA (U.S.A.)  
George Lea, USACE (U.S.A.)  
Camron Oskvig, NAS (U.S.A.)

For any questions, please contact

Alexander Zhivov:

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**For online registration, please go to the Forum’s registration website:**

<http://sgiz.mobi/s3/4343299692d8>



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