

The Building Research Institute (ITB) and the Polish Corrosion Society (PSK) kindly invite attendees of the EUROCORR 2018 Conference to join the workshop  
“The perspectives on sustainable building and products  
- challenges and opportunities”  
on 12th September 2018 (10:00-12:50, conference room no. 8/9)  
[www.eurocorr2018.org](http://www.eurocorr2018.org)



The rapidly developing world and economic intensification have caused a massive surge in environmental pollution, energy consumption and carbon emission. Construction plays a significant role in causing ecological problems. Specific attention has to be paid to developing sustainable and green solutions in the design of buildings, structures and their protective systems. Architecture should be environmental friendly and resource-efficient throughout the structures' service life, from design to construction, maintenance, repair and finally recycling or disposal stage. Green building technology refers to many performance functions like anti-corrosion, strength and durability among them. Corrosion is a constant and indiscriminate enemy of building elements. The question is about a role of anti-corrosion in a sustainable building. The aim of the workshop is to cultivate interaction between researchers, producers, designers and practicing professionals involved in sustainability, including corrosion problems and anticorrosion protection, and to find sustainable roadmap and possible solutions that meet requirements of sustainable building and green certification.

## PROGRAMME OF THE WORKSHOP

12th September 2018, 10:00-12:50, conference room no. 8/9

### **Ewa Kosmala, Sustainability Trainers & Experts STAE – SESSION MODERATOR**

Key-subjects: corrosion problems in a sustainable construction,  
roadmap via discussion, summary

### **Damien Féron, EFC President – KEY SPEAKER**

Key-subjects: EFC's view on sustainability, role of EFC in green market  
development, role of anti-corrosion in sustainable construction,  
sustainable surface protection, what should be done, roadmap

### **Josefina Lindblom, EC DG ENV high level representative – EC's sustainable building assessment – KEY SPEAKER**

Key-subjects: EC's view on sustainable construction,  
review of European Policy for Sustainable Construction,  
sustainable buildings - methodology,  
Level(s) – EC's sustainable building assessment method,  
Level(s) Pilot stage, roadmapping

### **Rafał Shurma, Polish Green Building Council (PLGBC) Founder, President**

Key-subjects: sustainability in construction - green building certification,  
actual situation overview, problems and opportunities,  
“protection against corrosion and durability” in green certification,  
better to start solving problems before failure,  
what should be done in a future

### **Sven-Olof Ryding, ECO-PLATFORM President**

Key-subjects: sustainability of green construction product

- green product certification, environmental product declaration – what is EPD, ECO, role and activity, standardization CEN TC 350, EPD vs PEF, what should be done in a future

### **Michał Piasecki/Ewa Sudoł, Building Research Institute (ITB), Warsaw**

Key-subjects: corrosion problems around the corner

- sustainability starts with small things, construction corrosion examples, informal typology, life time costs LCC, carbon footprint, formal typology, technical solutions, what should be done to avoid future problems and costs, real life examples

### **Fred van Rodijnen, Oerlikon Metco Europe GmbH, Surface Solutions Expert**

Key-subjects: novel surface solutions for corrosion protection

- in a sustainable building industry, surface coating solutions that provide corrosion protection over the entire lifetime, environmentally sensitive environments, practical applications - the reliability of wind turbines

## **DISCUSSION**

## **CEREMONY OF GIVING ENVIRONMENTAL PRODUCT DECLARATIONS TO THE ITB'S CLIENTS**

## ITB FOR SUSTAINABLE CONSTRUCTION

Sustainable construction is one of the main issues which the Building Research Institute (ITB) deals with to facilitate the activities of manufacturing, design and construction companies.

Certificates and environmental confirmations issued by the ITB, which are recognised throughout Europe, guarantee that the company seeks to maintain the environmental balance, and that its activities are associated with the highest quality of products or services as well as environmental protection.

The ITB is the national operator for the Environmental Product Declarations (EPD) programme for construction products.

The ITB cooperates with other EPD programme operators via Eco-Platform (mutual recognition).

The ITB EPD provides the basic data for building environmental certification schemes based on PN-EN 15804.