



## SCIENTIFIC COMMITTEE

dr. *Paolo Negro* – European Commission Joint Research Centre  
prof. *Paolo Riva* – Università degli Studi di Bergamo  
prof. *Nemkumar Banthia* – University of British Columbia  
dr. *Marco Castagna* – EURAC Research  
Prof. *Helena Gervasio* – Universidade de Coimbra  
dr. *Roberto Lollini* – EURAC Research  
prof. *Alessandra Marini* – Università degli Studi di Bergamo  
prof. *Marina Montuori* – Università degli Studi di Brescia  
dr. *Oliver Rapf* – Building Performance Institute Europe  
prof. *Koji Sakai* – Japan Sustainability Institute  
prof. *Matthias Sauerbruch* – Sauerbruch Hutton, Berlin  
dr. *Alexandra Troi* – EURAC Research  
dr. *Heiko Trumpf* – Bollinger + Grohmann Ingenieure

## ORGANIZING COMMITTEE

**The workshop is jointly organized by *European Commission Joint Research Centre* and *Università degli Studi di Bergamo*.**

dr. *Paolo Negro* – European Commission Joint Research Centre  
prof. *Paolo Riva* – Università degli Studi di Bergamo  
*Barbara Angi* – Università degli Studi di Brescia  
*Alessio Caverzan* – European Commission Joint Research Centre  
*Marco Lamperti* – European Commission Joint Research Centre  
prof. *Alessandra Marini* – Università degli Studi di Bergamo  
*Artur Pinto Vieira* – European Commission Joint Research Centre  
*Geraldine Sachs* – European Commission Joint Research Centre

<https://ec.europa.eu/jrc/>

# SAFESUST Workshop

*A roadmap for the improvement of earthquake resistance and eco-efficiency of existing buildings and cities*

Joint Research Centre, Ispra

November 26-27, 2015



## DEFINITIVE PROGRAMME

### Structures Session November 26<sup>th</sup>, 09:00

Keynote lecture: **Helena Gervásio**

*Eco-structural efficiency in natural hazard events*

**Roberta Apostolska** – Ss. Cyril and Methodius University, Skopje

*The need of integrated renovation of the existing building stock in Macedonia*

**Alessandra Marini** – Università degli Studi di Bergamo

*Coupling energy refurbishment with structural strengthening in retrofit interventions*

**Elvira Romano** – Università degli Studi di Napoli Federico II

*Improving sustainability performances of existing buildings: a case study*

**Antonio Salzano** – Università degli Studi di Salerno

*Seismic retrofitting and new way of living in existing social housing settlements*

Session Rapporteur **Paolo Riva**: *Summary of selected presentations*

### Energy Session November 26<sup>th</sup>, 11:30

Keynote lecture: **Alexandra Troi**

*Transforming of existing buildings balancing energy, comfort and heritage value*

**Jesús García Domínguez** – ACCIONA Infraestructuras S.A.

*BREackthrough Solutions for Adaptable Envelopes in building Refurbishments+*

**Stefano Prosseda** – TIS innovation park

*Lime plastering systems for energy-efficient and seismic retrofitting*

**Francesca Guidolin** – Università Iuav di Venezia

*Taxonomy of the redevelopment methods for non-listed architecture:  
from façade refurbishment to the exoskeleton system*

**Valentina Puglisi** – Politecnico di Milano

*A new model to evaluate the performance of the building envelope*

Session Rapporteur **Roberto Lollini**: *Conclusions and final remarks*

### Lunch 13:30

### Materials Session November 26<sup>th</sup>, 14:30

Keynote lecture: **Nemkumar Banthia**

*Smart City Dream Through Engineered High Performance Materials*

**Takafumi Noguchi** – The University of Tokyo

*Sustainable Recycling of Concrete with Environmental Impact Minimization*

**Petr Hájek** – Czech Technical University, Prague

*Sustainable concrete structures – Contribution to the development of a sustainably built environment*

**Costantino Menna** – Università degli Studi di Napoli Federico II

*LCA-based sustainability assessment approach applied to structural retrofit of buildings*

**Liberato Ferrara** – Politecnico di Milano

*Self-healing cement based construction materials: a new value for sustainable concrete.*

Session Rapporteur. **Koji Sakai**: *Summary of selected presentations*

### Financial Session

November 26<sup>th</sup>, 16:45

Keynote lecture: **Oliver Rapf**

*Investing in buildings efficiency – challenges and opportunities*

**David Christmann** – PATRIZIA Immobilien AG

*The tension between competition and regulation on European real estate markets*

**Alessio Rimoldi** – BIBM, European Federation for Precast Concrete / The Concrete Initiative

*An extended financial dimension of sustainability*

**Nelson Silva Brito** – University of Coimbra / modular / ICOMOS ISCES

*Common Efficacy: from what we “have and know” to what we “need and expect”*

**Giampiero Bambagioni** – European Real Estate Institute

*European existing buildings heritage:*

*financial aspect and evaluation of cost-benefit related to lifecycle and performance*

**Stefano Bellintani** – Politecnico di Milano

*Decision support tools for efficiency in energy field*

Session Rapporteur **Marco Castagna**: *Conclusions and final remarks*

**Closing 18:30**

**Dinner 19:30**

### Architecture and City Planning

November 27<sup>th</sup>, 09:00

Keynote lecture: **Matthias Sauerbruch**

*25 years of sustainable buildings*

**Roberta Grignolo** – Università della Svizzera italiana

*A large scale approach for sustainable interventions on built heritage*

**Greta Bruschi** – Università IUAV di Venezia

*Seismic risk, Restoration, Sustainability: between prevention and compatible materials*

**Alfredo Baladrón Carrizo** – Vírgula i

*Sensible Architecture: Sustainability as a part of the Architectural Design Process*

**Barbara Di Gregorio** – RARE Office, Architekturbüro

*The Urban Ruins of San Berillo, Catania, Italy*

**Massimiliano Botti** – Università degli Studi di Brescia

*Urban Eutopia Strategies for the combined redevelopment of Social housing*

Session Rapporteur **Heiko Trumpf**: *Summary of selected presentations*

**Lunch 13:30**

### Synthesis and Roundtable discussion

November 27<sup>th</sup>, 14:30

**Closing 16:30**