



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DICEA**  
DIPARTIMENTO  
DI INGEGNERIA CIVILE  
E AMBIENTALE

CIM – Corso di Laurea Magistrale  
In Ingegneria Civile  
EDM - Corso di Laurea Magistrale  
In Ingegneria Edile  
INDICEE – International Doctorate  
In Civil and Environmental Engineering



**29 Sept:**  
h 14-17  
**30 Sept:**  
h 8.15-11.15

**Workshop**  
**Concrete – the most used  
construction material**  
by **Magdalena Dobiszewska**

**Room to be  
confirmed -**  
Scuola di  
Ingegneria  
Via S. Marta  
3 - Firenze

## Summary

- Introduction to concrete
- Main constituents of concrete and their role in shaping concrete properties
- Concrete – requirements and performance
- Properties of fresh and hardened concrete and test methods
- The role of material modification in concrete technology
- Cement composites with basalt powder additive

### **Magdalena Dobiszewska, Assoc. Prof. Ph.D., Eng.**

**Faculty of Civil and Environmental Engineering and Architecture  
Bydgoszcz University of Science and Technology, Poland**

*Experienced academic lecturer in higher education and head of the Department of Structures Mechanics and Building Materials at Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology. Her research activity concerns concrete technology, in particular the use of mineral additive to produce cement composites, self-compacting concrete, high-performance concrete, geopolymer concrete and life cycle assessment of concrete. She conducts foreign scientific cooperation in the field of concrete technology with scientists from Turkey, Italy, and USA.*

*Her objective as a teacher is to motivate students to develop their own learning interests and critical thinking. She has been a supervisor of about 120 bachelor's, and master's theses, the subject matter of which related mainly to technical condition diagnostics, strengthening of building structures, design of construction and engineering structures as well as concrete technology. She also has extensive administrative experience and experience in developing and improving study programs in higher education. She was vice-dean for teaching and student affairs, and the chairman of the scientific council for the discipline of civil engineering and transport.*

