

COST CA15202 SARCOS  
SELF-HEALING AS PREVENTIVE REPAIR  
OF CONCRETE STRUCTURES



COST is supported by  
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Programme Horizon 2020

### Organizing Committee

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### Sponsors



## SARCOS (CA 15202) COST Action

### 3<sup>rd</sup> Training School

‘Advanced solutions for the external repair of concrete’

20<sup>th</sup> - 22<sup>nd</sup> January 2020, Thessaloniki, Greece

Faculty of Engineering, Aristotle University of Thessaloniki



## Monday, 20<sup>th</sup> January 2020

- 9:30-9:45 Welcome greetings  
**Konstantinos Katsifarakis**, Dean of the Faculty of Engineering AUTH  
**Maria Stefanidou**, Associate Professor AUTH
- 9:45 - 10:15 Presentation of participants
- 10:15-11:00 **Ioanna Papayianni, Em. Professor AUTH**, Behaviour of Concrete under Service Life Conditions and Crack Formation
- 11:15-12:00 **Eleutherios Anastasiou, Assis. Professor AUTH**, Assessment of concrete structures and repair strategies
- 12:15-13:00 **Maria Stefanidou, Associate Professor AUTH**, The role of porosity in healing procedures
- 13:00-15:00 **Lunch break**
- 15:00-15:30 **Papaioannou Stefanos, Epivlavon company**, Case studies of application of non destructive techniques in concrete pathology
- 15:30- 17:00 **Dr. Michalis Papachristoforou, Civil engineer Post Doc, Papaioannou Stefanos**, Lab session- Application of NDT

## Tuesday, 21<sup>st</sup> January 2020

- 09:30-10:30 **Liberato Ferrara, Associate Professor POLIMI**, High Performance Fibre Reinforced Cementitious Composites for structural retrofitting
- 10:45-11:30 **Dr. Mercedes Sanchez, Department of Inorganic Chemistry and Chemical Engineering, Córdoba**, External surface treatments for improving performance of existing concrete structures

- 11:45-12:30 **Theodor Mentzikofakis, Managing Director & Partner PENETRON HELLAS S.A**, Advanced repair systems for concrete recovery
- 12:30-14:00 **Lunch break**
- 14:15-15:00 **Dr. Georgios Mitolidis, Civil Engineer**, Case studies using self healing –crystalline products
- 15:00 Visit a bridge and apply in situ healing and repair materials
- 20:30-23:00 **Dinner**

## Wednesday, 22<sup>nd</sup> January 2020

- 9:30-10:15 **Paulina Faria, Associate Professor NOVA, University of Lisbon**, Effect of alternative bio-products on surface treatment and formulation of cementitious construction materials
- 10:30-11:15 **Violeta Bokan-Bosiljkov, Professor, University of Ljubljana**, Preventive repair of modernistic concrete buildings – case study of the UL FGG main building
- 11:30-12:30 **Dr. Nikos Anagnostopoulos, Civil engineer, Target Market Manager Sika**, Reinforced concrete corrosion prevention / reduction by hydrophobic impregnation
- 12:30-14:00 **Lunch break**
- 14:30-15:15 **Dr. Georgios Karagiannis, Electrical engineer**, New ultra sonic micro- tomography technique for repair evaluation
- 15:30- 17:00 **Lab session** -Applying micro- tomography in concrete
- 17:00-18:00 Evaluation of the Training School- Discussion  
Farewell