



About COST Action SARCOS – Self-healing As preventive Repair of Concrete Structures

The search for smart self-healing materials and preventive repair methods is justified by the increasing sustainability and safety requirements of structures. The appearance of small cracks in concrete is unavoidable, not necessarily causing a risk of collapse for the structure, but certainly accelerating its degradation and diminishing the service life and sustainability of constructions. That loss of performance and functionality promotes an increasing investment on maintenance and/or intensive repair/strengthening works. Firstly, SARCOS focuses on preventive repair solutions including self-healing approaches and innovative external repair methods for existing concrete elements. Despite the promising potential of the developed healing technologies, they will only find their way to the market when sound characterization techniques for performance verification are developed, being the SARCOS's second focus. The third focus deals with modelling the healing mechanisms taking place for the different designs and with predicting the service life increase achieved by these methods.

YOU ARE INVITED for the SARCOS Final Show-room

In order to disseminate the most practical aspects reached within the SARCOS COST Action and to facilitate the application of the preventive repair approaches into real applications, the SARCOS Final Show-room brings together researchers from the network and relevant stakeholders.



During the Show-room, Action members will give a general presentation about the Action and more detailed information on the activities performed within the three SARCOS focus groups. Some selected researchers who performed a short-term scientific mission (STSM) within the framework of the SARCOS Action will present their research. In order to strengthen the collaboration with the stakeholders, industry representatives will be given the opportunity to share their experience concerning the status of the introduction of self-healing and innovative repair technologies in the market (demonstration cases, opportunities and future perspectives,...). Also a 'meet and greet' between the network researchers and relevant stakeholders will be organised which will be followed by panel discussions. The industry representatives can be refunded for their participation as long as they are coming from one of the 28 SARCOS Countries.* The official invitation, including the registration form, will be available in March 2020. More information will be available at www.sarcos.eng.cam.ac.uk.

About COST

The European Cooperation in Science and Technology (COST) is a funding organization for the creation of research networks, called COST Actions. These networks offer an open space for collaboration among scientists across Europe (and beyond) and thereby give impetus to research advancements and innovation. COST provides networking opportunities for researchers and innovators in order to strengthen Europe's capacity to address scientific, technological and societal challenges. They are multi-stakeholder, often involving the private sector, policymakers as well as civil society. COST funding intends to complement national research funds, as they are exclusively dedicated to cover collaboration activities, such as workshops, conferences, working group meetings, training schools, STSMs, and dissemination and communication activities. We greatly acknowledge COST for their financial support in organizing this event.

***The 28 SARCOS Countries are: Belgium, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, France, Germany, Greece, Hungary, Israel, Italy, Latvia, Lithuania, Malta, The Netherlands, The Republic of North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Switzerland, Turkey, United Kingdom.**