

Chairman	<u>Apostolopoulos Ch.</u>
Topic	<i>Material Degradation and Structural Integrity</i>
Objectives	<p>According to established standards and methods, the safety of a reinforced concrete structure is highly correlated with expected service life. However, there are plenty of factors which are responsible for the loss of structural integrity. Service loads, environmental and accidental actions may cause damage and consequently early deterioration to constructions. Regular inspection and environmental conditions assessment of the reinforced concrete structures are necessary for the early detection of any defect and the determination of the remaining safety and reliability. Lack of concern and the underestimation of materials degradation phenomena of reinforced concrete structures can lead to premature failure.</p> <ul style="list-style-type: none">• Engineering in harsh Environments• Corrosion Effects on Reinforced Concrete Structures• Analysis / evaluation of material / construction behavior• Aging Infrastructure and future Earthquakes: reinforced concrete and masonry structures