

Chairman	<a href="#"><u>Lekatou Ang. – Agathopoulos S.</u></a>
Topic	<i>Surface Degradation (Corrosion, Wear, Erosion) and Environmental Durability of Materials</i>
Objectives	<p>The session covers fundamental and applied issues of environmental surface degradation and durability of materials at macro-, micro-, and nano-scale. Emphasis will be given on cutting-edge research, material design and development against degradation, understanding of degradation mechanisms and protection evaluation/design.</p> <p>Main topics include:</p> <ul style="list-style-type: none"> <li>-Corrosion forms and mechanisms, coatings and surface engineering, tribocorrosion, high temperature corrosion, corrosion protection and inhibition, non-destructive testing, electrochemical techniques, corrosion of steel in concrete, corrosion modelling, marine corrosion, corrosion of artefacts, and others</li> <li>- Wear types (sliding, abrasion, high temperature, fretting, lubricating wear), wear modes, understanding of tribological phenomena, wear testing, erosion-corrosion, solid particle erosion, wear of metals, ceramics, polymers and composites, and others</li> <li>- Structural stability under aggressive environments, structure-durability relationship, environmental effects on ceramics, polymers and composites, durability of concrete structures, durability of ceramics, and others</li> </ul>