

## **1. Special Issue "ICEAF VI Engineering Against Failure"**

### **Topics**

- Fracture and fatigue of materials and structures;
- Damage-tolerant materials and structures;
- Experimental studies on the relation between microstructure and mechanical fracture processes;
- Characterization of fractures;
- Engineering metallic structures;
- Surface engineering and coatings;
- Environmentally assisted fracture;
- Latest advancements in corrosion of metallic materials;
- Integrated approaches for design, manufacturing and reliability of engineering structures;
- Testing and control systems;
- Structural integrity and structural health monitoring;
- Computational mechanics and analytical methods;
- Multiscale (nano, meso, micro and macroscopic) approaches to understand mechanical behavior and fracture of engineering materials and structures.

## **2. Special Issue "Machinability and Tribological Performance of Advanced Alloys"**

### **Topics**

- Machinability
- Ecofriendly alloys
- Antimicrobial alloys
- Novel and conventional machining processes
- Optimization of machining parameters
- Tribological behavior of alloys
- Tribological behavior of coatings
- Manufacturing of machinable alloys
- High wear resistance alloys and coatings
- Nanostructured coatings