

SECOND WORLD CONGRESS ON CORROSION IN THE MILITARY ORGANIZING COMMITTEE

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Background and Objectives

Building on the success of our First World Congress on Corrosion in the Military held in Sorrento Italy back in 2005, this Second World Congress has been organized with the even timelier premise of dealing with the escalating costs of corrosion. The realization that corrosion has an enormous impact on the world economy, human factors and the global environment makes governments, industries and private institutions think twice before investing in any new acquisition without giving serious consideration to corrosion. In tangible costs alone, corrosion is now estimated to be in the several hundreds of billions of U.S. dollars worldwide. In light of this enormous expenditure, the “business-as-usual” approach to the corrosion problem has to be revised or abandoned.

The major cost and readiness concerns in the military are on the operational and maintenance side as most advanced countries have a large inventory of aging ships, air and ground vehicles, submarines, tanks and weapons systems. The deterioration and aging of military facilities and bases in areas of utility systems, housing installations, storage tanks, water distribution systems, piers, docks, runways etc. due to the effects of corrosion of concrete, rebars and pipelines, are intangible costs which are hard to assess in monetary terms. These are worldwide problems, issues and concerns for all advanced and even developing countries.

The theme of this year’s congress: Corrosion Protection through Innovation, Transformation and Strategic Corrosion Management shall encompass the deliberation in the areas of state-of-the-art corrosion control technologies, early detection and prevention using smart technologies, strategic policy in corrosion management, innovation in development of non-metallic structures, environmentally compliant materials in corrosion prevention, non-defence related corrosion maintenance and management, and microbiologically influenced corrosion.

The session themes are:

1. Coatings/Corrosion Inhibitors I
2. Coatings/Corrosion Inhibitors II
3. Corrosion Prevention Control
4. Monitoring & Diagnostic
5. Management and Data Analysis
6. Corrosion Mechanism / Microbiologically Influenced Corrosion I
7. Corrosion Mechanism / Microbiologically Influenced Corrosion II
8. Stress-Induced Cracking
9. Metal Joining Concepts

After 4 successive corrosion congresses and workshops held in Europe, our experience tells us that the gathering together of international scientists, academicians, planning and practising engineers, program managers and technicians, all presenting their latest inventions and innovative concepts on corrosion protection, control technologies and management schemes provides an invaluable educational and information forum. The pooling and leveraging of each others’ knowledge, experience, expertise and talents within the global realm encompassed by this world congress proves to be most meaningful, beneficial and productive and does much to consolidate, direct and propel corrosion research to the next technologically-advanced level.

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Chairman



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