

Abstract

## **Improvement in Resource Productivity by Life Extension Through Corrosion Education**

Materials are non-renewal resources that are created through an 'unnatural' process. Simple methods to extend the life of materials enhance the resource productivity. Corrosion costs the U.S. over \$300 billion per year and also produces significant safety hazards. Corrosion protection technology utilizes metallurgy, material chemistry and physics as well as electricity to prevent or control corrosion degradation and therefore, the education of corrosion science & engineering is directly linked to improving material life. Education in corrosion Control applies these sciences to control the chemical and mechanical aspects that are involved in the deterioration of properties.