**Concrete Durability in Offshore Structures**

(70 Characters Maximum, Title case preferred)

by Ross Taylor and Khurram Minhas

(NOTE: The title, names and text have been altered and pasted from different manuscripts for the purpose of format illustration ONLY.

This format can be used as a template to copy and paste your manuscript titles and sections.)

# Biography: (75 Words Maximum for each author) Ross Taylor is a Research Engineer at the Materials Division, Port and Airport Research Institute,*……….* He received his BS from …..; MS from……; and PhD from……. He is a member of ……..221 (Aggregates), 302 (Construction of concrete floors), and 325 (Concrete pavements). His research interests include durability of reinforced concrete structures in the marine environment.

**Khurram Minhas** is a researcher at………..

# EXTENDED ABSTRACT (or SYNOPSIS) (750 Words Maximum)

# A detailed investigation on the concrete specimens 100 mm diameter and 200 mm height (Units of measurement must be SI primary) made with different chemical admixtures was carried out. Chemical admixtures include air-entraining admixture (vinsol), water-reducing admixture (lingosulfonate group), various high-range water-reducing and air-entraining admixtures (naphthalene, melamine, polycarboxyl and amino-sulfonate group) and drying-shrinkage-reducing admixture (glycol ether plus amino alcohol derivatives). The specimens were tested for compressive strength, Young’s modulus of elasticity, carbonation depths, chloride ingress, pore size distribution, electrochemical and physical evaluation of steel bar’s corrosion in concrete, examination of steel-concrete interfaces, and mineralogy of the mortar portions of concrete…………..

**Keywords:** (9 Keywords Maximum; alphabetical order)chemical admixture; chloride ingress; corrosion; durability;…………….