

ADVANCED ANALYSIS OF STEEL AND STEEL-CONCRETE COMPOSITE STRUCTURES

JOSÉ GUILHERME S. DA SILVA^{*}, RICARDO AZOUBEL DA M. SILVEIRA[†]

^{*} UERJ - State University of Rio de Janeiro
jgss@uerj.br

[†] UFOP - Federal University of Ouro Preto
ramsilveira@yahoo.com.br

Key words: Steel and Steel-Concrete Structures, Structural Analysis, Dynamic Analysis, Fatigue Analysis, Stability Design, Computational Modelling.

ABSTRACT

The aim of this mini-symposium is to summarize the progress in theoretical, computational and experimental research in the field of steel and steel-concrete composite structures. Special emphasis is always given to new concepts and procedures concerning the computational modelling, structural analysis and design of steel and steel-concrete composite structures. Topics of interest include linear and nonlinear structural dynamics, fatigue analysis, stability design, connections, cold-formed members, buildings, bridges and footbridges, fire engineering, trusses, tower and masts and soil-structure interaction.