



Industrial Member:

Ennio Casagrande

Short Description of the Organization:

Ennio Casagrande, is a structural consultant engineer for industrial factory, private and public institutions.

In 2011 E.C. published a book called “Introduzione all’analisi automatica di sistemi strutturali composti da funi” (ed. Cleup – Padova) about numerical analysis of tensile structures and in particular to the cable structure (cable net, stayed structure). For tensile structures, he has written scientific papers (Scilab Consortium, A&C, Ingenio) and he has taught in a specific course for engineers about lightweight structure.

In 2013 E.C. published a book called “Metodi numerici per l’analisi sismica di dighe a gravità e opere accessorie” (ed. Cleup – Padova) about validation analysis of concrete gravity dam in seismic condition. In this book, he has developed a simple procedure to validation of the seismic analysis dams done with structural software. Some scientific papers have been published in special magazine: Ingenio web, Structural magazine and Ingegneri a Treviso journal.

In 2015, with contribute of the Confartigianato Treviso, E.C. published a book called “Rischio sismico nei luoghi di lavoro” (ed. Cleup – Padova). In this book, he has written about the importance of risk assessment of the non-structural element in the general workplaces (industrial shelving, cryogenic tanks, cantilever crane). The book is divided into two parts: the first part describes the current standard code about non-structural element in accordance with D.M. 14/08/2008 and others international code. The second part describes the non-structural elements and general risk mitigation in the workplaces.

The “Casagrande seismic engineering” is located in Treviso. E.C. deals with general structural problems of lightweight structure (tensile-fabric structure) and specific seismic structural problems such as dams and hydraulic structures.

E.C. deals with evaluation of seismic risk in the workplace in the N-E Italy for several associations like Confartigianato and public institutions.

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