**First Pan American Congress on Computational Mechanics**
**PANACM 2015**
*April 27-29, 2015, Buenos Aires, Argentina*

# INDUSTRIAL APPLICATIONS OF COMPUTATIONAL MECHANICS

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**Key words:** Industrial Applications, Engineering Design, Engineering Analysis.

## ABSTRACT

This mini-symposium is intended to share experiences and discuss opportunities for application of numerical methods to the resolution of engineering problems related to industrial and government activities.

Both researchers and project/design engineers are encouraged to show the evolution in application of computational methods to solve industrial problems in their fields, and the opportunities to improve the results that could be obtained.

Some topics that could be treated in this mini-symposium include:

- Industrial installations and their components
- Machines and their components
- Structures and their components
- Pressure vessels and reactors
- Manufacturing processes
- Modelling of industrial physical and chemical processes
- Failure analysis and forensic engineering