

Computational Intelligence and Learning applied to solve problems in Engineering and Medicine.

Efrén Mezura-Montes
Artificial Intelligence Research Center
University of Veracruz, MEXICO

Abstract.

This talk briefly introduces some Computational Intelligence and Machine Learning techniques adopted in the Artificial Intelligence Research Center of the University of Veracruz, to solve complex problems in different domains (mechanical design, robotics, cancer pre-diagnosis, among others). The applications are detailed, as well as the way each intelligent technique is adapted. In some cases, hybrid intelligent approaches are presented.