



Plasma and Artificial Intelligence

Guest Editors:

Prof. Dr. Brunello Tirozzi

Department of Physics, University
“La Sapienza”, 00185 Rome, Italy

Dr. Orchidea Maria Lecian

Faculty of Medicine and
Pharmacy, Sapienza University of
Rome, 00185 Rome, Italy

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

The physics of plasma is developed mostly in tokamaks. This device is rather complicated with many unknown variables to control in order that the fusion experiment really starts. Magnetic configuration, internal currents, geometric configuration. There are also various instabilities that should be controlled, Alfvén waves, elms, runaway electrons, and disruptions. All these issues have been evaluated in various tokamaks and somehow controlled. It is possible to collect all this data and study the most efficient one using a multilayer perceptron, i.e. artificial intelligence.

Prof. Dr. Brunello Tirozzi
Dr. Orchidea Maria Lecian
Guest Editors

