Centrum Wiskunde & Informatica (CWI), the Dutch national center for Mathematics and Computer Science based in Amsterdam, is seeking candidates (both at PhD and postdoctoral level) to conduct research on the topic of Machine Learning applied to Space Weather.

The positions involve research in machine learning techniques and Bayesian inference, applied to real-time forecasting of energetic electrons in the Earth radiation belts.
The aim of this project is to advance our space weather prediction capability by enhancing physics based models with a new data-driven probabilistic framework, and it will involve state-of-the-art numerical simulations, Bayesian parameters estimation, uncertainty quantification and machine learning techniques.

The project 'Real-time forecasting of killer electrons on satellite orbits' is funded by NWO, the Dutch Organization for Scientific Research, through a 5-years VIDI grant. During the first half of the project, we aim to hire two postdocs (two years) and one PhD student (four years).

Applications will be accepted until the positions are filled. Application screening will begin on 15 September 2017.
More info can be found on:

PhD position: http://tinyurl.com/phdML-CWI
Postdoc position: https://tinyurl.com/PostdocML-CWI

or contacting Dr. Enrico Camporeale, e.camporeale@cwi.nl.

For more information about the Machine Learning for Space Weather research at CWI, please visit our website www.mlspaceweather.org