

# Post Doctoral Position at University of Bologna - "The evolution of radio emitting electrons in the cosmic web"

University of Bologna, Physics Department

(posted on Thursday, June 1, 2017 10:42 AM)

**Application deadline:** Tuesday, June 20, 2017 11:59 PM

**Contact:** Franco Vazza ([vazza@ira.inaf.it](mailto:vazza@ira.inaf.it))

**Job category:** Postdoc/Fellowship

**Research field:**

Astrophysics

**More information:** <http://cosmosimfrazza.myfreesites.net/magcow>

**ID:** 3872

**Description:**

This project will study the spatial and energy evolution of relativistic electrons accelerated by cosmic shocks, and their radio emission. Fundamental to this project will be the development and the optimisation of new numerical algorithms to model the energy evolution of electrons in time, combined with numerical methods being developed by the MAGCOW group (P.I. Franco Vazza). A strong numerical expertise with cosmological simulations and advanced numerical methods is crucial for this project. The selection process is centralised by the University of Bologna, hence applicants must follow the instructions given in the following links:

CALL FOR APPLICATIONS

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PROJECT DESCRIPTION

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The application must be received by the University of Bologna either via Italian Certified Email (PEC), in person or via courier/post no later than 20/06/2017 (see links above for the exact procedure).