

# Matteo Bugli

Università di Torino

## CITTÀ IN CUI LAVORI

Torino

## FORMAZIONE

Dottorato in fisica

## AMBITO DI RICERCA

Astrofisica

## POSIZIONE

Ricercatore post-doc



## PARLACI DELLA TUA RICERCA

My work consists in studying the dynamics of astrophysical plasmas in extreme environments, such as accretion disks around black holes and supernova explosions. To this end I produce large numerical simulations that re-create the behaviour of the hot astrophysical gas I am interested in, allowing me to understand how the most energetic objects in the Universe actually work. These "numerical experiments" need to be performed on supercomputers based all across Europe, which typically have the equivalent power of a hundred thousand personal computers.

## RACCONTA UNA TUA GIORNATA TIPO AL LAVORO

My day usually starts with lots of emails to read and write. I later focus on more interesting work, such as running simulations and analysing their data, writing scientific papers and reading the latest published results obtained by researchers from other institutions. Lunch with my colleagues is an important ritual, just as the coffee that follows it.

In the afternoon I often attend ZOOM meetings with collaborators from Europe (from Italy, France and Spain), journal clubs (where people present scientific papers they recently read) and group meetings where I coordinate with the other members of my research team.

Code development and debugging are also very common activities, and they can involve both the software I use to run my simulations and the scripts I launch to analyse their data.

## HOBBIES E TEMPO LIBERO

I play the accordion, mostly gipsy-klezmer stuff but occasionally also a bit of jazz. I love RTS (Real Time Strategy) video-games, with Starcraft 2 at the top of my list. Running occupies a bit of my free time as well, although lately I mostly run after my 18-months son around the house!

## UN OGGETTO DA PORTARE CON TE IN MISSIONE

My ebook reader

## DESCRIVI LA TUA VITA IN TRE PAROLE

Passion, fun, wonder

## MATERIA PREFERITA A SCUOLA

Philosophy

**LIBRO PREFERITO**

1984

**FILM PREFERITO**

The Shawshank Redemption