LauraInno

Postdoctoral researcher

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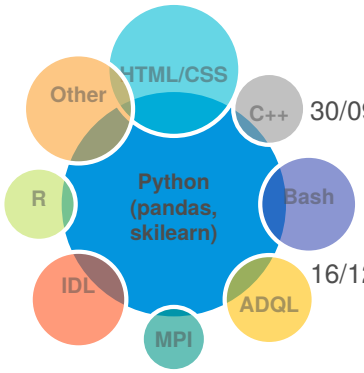
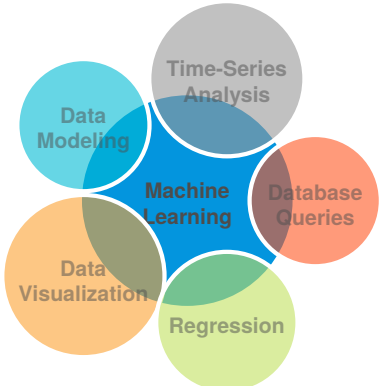
Programming



Data Analysis



Experience

07/15 - Now **Postdoctoral researcher** Max Planck Institute for Astronomy, Heidelberg, Germany
I am leading a project that aims at identifying new variable stars in the Galactic disk by exploiting a time-domain catalog which includes more than 6 billions of stars (PanSTARRS1). In order to exploit such challenging dataset, I developed a working experience on data mining and code parallelisation. My work is carried out in the context of the Milky Way research Group, led by Prof. Hans-Walter Rix.

05/15 - 06/15 **Visitor researcher** Department of Astronomy, The University of Tokyo, Japan
As a visitor researcher, I promoted my research and invested my time in Tokyo in networking and collaborating with a team of engineers for building a new astronomical instrument.

11/12 - 02/15 **PhD Fellowship holder** ESO- European Southern Observatory
During my PhD, I led a project aimed at investigating the three-dimensional structure of the Magellanic Clouds. In order to achieve this objective, I have analysed the largest photometric dataset available for such irregular dwarf galaxies, thus developing an expertise in handling and crossmatching large photometric catalogs of stars in crowded fields.

Education

22/12/2014 **PhD degree in Astronomy** Universitá di Roma Tor Vergata
Project: *Cepheids as stellar tracers to determine galactic structures: An application to the Magellanic Clouds*
Assessment: cum laude

30/09/2011 **Master Degree in Scienze dell'Universo** Universitá di Roma Tor Vergata
Thesis: *Distance and Geometry of the Magellanic Clouds using the Cepheid Near-Infrared Period-Luminosity relations.*
Assessment: 110/110 cum laude

16/12/2007 **Bachelor's degree in Physics** Universitá degli studi di Salerno
Thesis: *The shape of the Bulge of the Milky Way*
Assessment: 108/110

Other Experience

Conference Organisation and fundraising
• Main organiser (chair) of the international conference *Piercing the Galactic Darkness: Stellar populations in high extincted regions of the Milky Way* (GALDARK2017), for which I have been awarded of 11,000 euro from National German Fundings.
• Part of the organising committee for several international conferences

Personal Skills

Other Experience

Supervising and mentoring

• Currently co-supervising PhD Students.

• Tutor for Astromundus students for the Stellar Astrophysics class in the II Semester of 2012

Outreach and Science communication

• Public talk at the Civico Planetario Ulrico Hoepli of Milan on: *Fari nel buio: le stelle pulsanti ci svelano la Galassia nascosta* (22/02/2018).

• Member of the ESO Translators and Hubble Podcast subtitles editors.

• Collaborator and founding member of the ScienzImpresa association.

• Tour guide in the Astronomic Museum ASTROLAB of the Astronomic Observatory of Rome.

OS Preference

MacOS ★★★★★
GNU/Linux ★★★★☆
Unix ★★★☆☆
Windows ★☆☆☆☆

Editors

LaTeX ★★★★★
Office ★★★★★

Languages

Italian ★★★★★
English ★★★★★
German ★☆☆☆☆

Publications

I have written/contributed to 19 refereed publications, including 4 as first-author (of which one currently under review), and 2 contributions to chapters in collective refereed volumes.
I have also written/contributed to 8 conference proceeding, including 3 as first-author.
I have also written 9 successful (approved and executed) observing proposal at the most important facilities worldwide.
My current h-index is: 9, total citations: 342. source: ADS.
Selection of first-author publications:

• **Laura Inno, Matsunaga N., Bono G., et al.**
On the distance of the Magellanic Clouds using Cepheid NIR and optical-NIR Period Wesenheit Relations , 2013, ApJ, 764, 8; cited 61 times

• **Laura Inno, Matsunaga N., Romaniello, M. et al.**
New NIR light curve templates for classical Cepheids, 2015, A&A, 576, A30; cited 21 times

• **Laura Inno, Bono, G., Matsunaga, N. et al.**
The Panchromatic view of the Magellanic Clouds from Classical Cepheids. I. Distance, reddening and geometry of the Large Magellanic Cloud Disk, 2016, ApJ, 832, 176; cited 18 times

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Other Info

For the Italian job market:
Si autorizza il trattamento delle informazioni contenute nel curriculum in conformità alle disposizioni previste dal d.lgs. 196/2003. Si dichiara altresì di essere consapevole che, in caso di dichiarazioni non veritiere, si è passibili di sanzioni penali ai sensi del DPR 445/00 oltre alla revoca dei benefici eventualmente percepiti.

May 22nd, 2018

Dr. Laura Inno