

Curriculum Vitae et Studiorum

Ronald Eugene Drimmel

Osservatorio Astrofisico di Torino, Pino Torinese (TO)
+39 011 8101926 | ronald.drimmel@inaf.it

RESEARCH

My research efforts are focused on understanding of the structure and dynamics of our Galaxy, and in particular its non-axisymmetric structures, with the goal of understanding the origin and dynamics that give rise to these features. These efforts have included:

- Study of the stellar kinematics associated with non-axisymmetric structures in the disk of the Milky Way using all-sky space-based astrometric surveys (Hipparcos, Gaia), especially of the Galactic warp and spiral arms.
- the large-scale distribution of the stars, gas, and dust, including the mapping of the spiral arms and galactic warp, as seen in the optical, NIR and FIR.
- Construction of interstellar extinction maps, necessary for the proper modelling and interpretation of optical survey data.

PROJECT MANAGEMENT

My research interests have naturally led me to become involved in major European space missions at an early stage of their development, which led me to fill key roles in the implementation and management of large and long-term projects of national interest. In particular:

- Implementation and management of the development of the Science Ground Segment of the ESA Gaia mission, the Gaia Data Processing and Analysis Consortium (DPAC), responsible for the data processing of the science telemetry and the production of the science products published in the Gaia Archive.
- Project manager of the Italian Involvement in the Gaia DPAC, including the co-authorship of periodic funding proposals and progress reports made to the funding agency, ASI (Italian Space Agency).
- The construction and delivery of a source catalogue for the operation of the fine guidance sensor of the ESA Euclid satellite, delivered to industry.

POST-DOCTORAL WORK EXPERIENCE

INAF

First Technologist

Research Astronomer

Research Fellow (assegni di ricerca, borse di studio post-dottorato)

Osservatorio Astrofisico di Torino

03.08.2020 – oggi

15.10.2004 – 02.08.2020

1999 – 2004

Hayden Planetarium, American Museum of Natural History	New York, NY, USA
<i>Visiting Scientist</i>	1.12.1998 al 31.03.1999
I'Università degli Studi di Torino	Torino
<i>Research Fellow (borse di studio post-dottorato)</i>	1996 – 1998

PROJECT MANAGEMENT ROLES

Gaia DPAC

<i>Gaia Payload Expert</i>	2013-oggi
<i>Manager of Interstellar Extinction Work Package</i>	2007-oggi
<i>Interim Project Manager of the DPAC</i>	2007-2008
<i>Deputy Chair of the Gaia DPAC Executive</i>	2006-2012

INAF

<i>Project Manager of the production of Euclid FGS Input Star Catalogue</i>	May 2015-oggi
<i>Project Manager of the Italian Participation in DPAC</i>	2008-oggi
<i>Scientist-in-Charge of the FP6 Marie Curie Research Training Network "ELSA"</i>	2006-2010

DIPLOMAS

<i>Laurea in Astronomia, Università di Padova</i>	Padova, 2001
(recognition of equivalence of my "Master in Science" degree from the University of Florida.)	
<i>Doctor of Philosophy, Astronomy, University of Florida</i>	Gainesville, FL, USA, 1995
<i>Master of Science, Astronomy, University of Florida</i>	Gainesville, FL, USA, 1990
<i>Bachelor of Arts, Physics-Astronomy, Whitman College</i>	Walla Walla, WA, USA, 1987

SPECIALIZED COURSES

<i>PRINCE2 Foundation management course</i>	2013
<i>GAIA Project Management course</i>	2006

TEACHING ASSIGNMENTS

I'Università degli Studi di Torino	23.04.2015 al 22.05.2015
<i>Co-docente, 24 ore corse for doctorate students on Galactic dynamics</i>	
Franklin&Marshall College	Lancaster, PA, USA
<i>Visiting Assistant Professor</i>	spring semester