



CURRICULUM VITÆ

Personal Informations

Name: **ROBERTO SUSINO**
Birth: May 19, 1981 – Monza (MB), ITALY
Address: Via Bellini 78, I-97014 Ispica (RG)
Mail: sur@oact.inaf.it

Education

2010 **Ph.D. Degree in Physics**
Università degli Studi di Catania
Thesis title: "Investigating the characteristics of coronal loop heating by hydrodynamic simulations"

2006 M.Sc. in Physics (110 cum laude)
Università degli Studi di Catania
Thesis title: "Spectroscopic analysis in the EUV of solar coronal streamers"

Positions

2007 – today **Ph.D. student in Physics**
Università degli Studi di Catania
January 2, 2007 – October 31, 2009

2006 – 2007 Term contract worker
INAF-Osservatorio Astrofisico di Catania
August 1, 2006 – January 31, 2007
Project title: "Study of the physical conditions of the solar wind source regions"

Research Fields

My research field is the study of the outer solar atmosphere.
I investigated the coronal heating problem with a detailed study of the dynamic behaviour of the coronal plasma confined in a magnetic flux-tube in response to different heating regimes, by means of 1D numerical simulations performed with the Adaptively Refined Godunov Solver (ARGOS) hydro-code.
I also addressed some aspects relevant to the problem of the identification of the solar wind acceleration regions through the analysis of spectral observations of a narrow, mid-latitude streamer, performed with SOHO/UVCS in 2004.

Publications

2010 Susino, R., Lanzafame, A. C., Lanza, A. F., Spadaro, D.,
Signatures of impulsive localized heating in the temperature distribution of multi-stranded coronal loop
ApJ 709, 499-506

2008 Susino, R., Ventura, R., Spadaro, D., Vourlidas, A., Landi, E.,
Physical parameters along the boundaries of a mid-latitude streamer and in its adjacent regions
A&A 488, 303-310

2007 Noci, G., Gavryuseva, E., Spadaro, D., Susino, R.
Study of the interface between coronal holes and streamers
FLOWS, BOUNDARIES, INTERACTIONS: Flows, Boundaries,

and Interaction Workshop.
AIP Conference Proceedings 934, 111-118

2007 Spadaro, D., Susino, R., Ventura, R., Vourlidas, A., Landi, E.,
*Physical parameters of a mid-latitude streamer during the decli-
ning phase of the solar cycle*
A&A 475, 707-715

Conferences

2009 Solar Coronal Loops Workshop IV
June 30 – July 3, Firenze, ITALY
Oral contribution

2009 3rd Solar Orbiter Workshop
May 25 – 29, Sorrento, ITALY

2009 2nd SOLAIRE Network Meeting
January 12 – 15, Catania, ITALY
Oral contribution

2008 ESPM-12: 12th European Solar Physics Meeting
September 8 – 12, Freiburg, GERMANY

2006 SOHO-17: 10 Years of SOHO and Beyond
May 7 – 12, Giardini Naxos, ITALY

Other Experiences

2008 Training course on high-performance parallel computing
September 29 – October 6, Catania, ITALY