

Serena Criscuoli

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EDUCATION

2001: Master degree in Physics, Università di Roma “TorVergata”.

Master thesis: “Treatment of high resolution Solar Images by the Phase Diversity technique”.

2007: PhD in Astronomy, Università di Roma “TorVergata”.

Dissertation: “Radiative properties of complex magnetic elements in the solar photosphere”.

FELLOSHIPS and GRANTS

2001, November: 3 year PhD fellowship in Microelectronic Engineering for Space, Università di Roma “TorVergata”. This fellowship was refused by the applicant.

2001 - 2002: One year collaboration grant, Osservatorio Astronomico di Roma. “Development and application of a medium-resolution solar images restoration algorithm”.

2002, November - 2005, October: 3 year PhD fellowship in Astronomy, Università di Roma “TorVergata”.

2004, March - 2007, March: “Newkirk” integrative PhD fellowship, High Altitude Observatory, NCAR.

2007, April - 2008, November: Research Grant at Osservatorio Astronomico di Roma. “Analysis and interpretation of solar images acquired at high spectral, spatial and temporal resolution.”

2008, December - Today: Temporary Researcher position, Osservatorio Astronomico di Roma.

LECTURES and TEACHING

2002: Member of the SOC and teacher of National School of Astronomical Techniques “Instrumentations, techniques, methods for ground based observations at high spatial and spectral resolution”, Naples.

Lecture on “Phase Diversity”.

2003 – Today: Master courses in Physics, Università di Roma “Tor Vergata”. Lectures on the following topics: Self Organized Criticality, Radiative Transfer in Stellar Atmospheres, Restoration of solar images, Magnetic flux tubes.

2010: PhD courses in Astronomy, Università di Roma “Tor Vergata”. Lecture on “Self-similar properties of solar magnetic field and Flare forecasting”.

From 2002 on: lectures on “Solar Physics” in Italian high schools in the framework of public outreach events.

