

Manuela Temmer

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COSPAR 2008, Montreal, Canada

ACADEMIC EDUCATION:

2004 Ph.D. in Astronomy

IGAM/Institute of Physics, University of Graz, Austria
Dissertation: *Solar Activity Patterns – a Hemisphere Related Study*

PROFESSIONAL EXPERIENCE:

2008-2010 Post-Doc Scientist

IGAM/Institute of Physics, University of Graz, Austria
Project: *Forces governing CMEs and prediction of CME arrival times*
(ÖAW/APART-11262)

2007-2008 Post-Doc Scientist

Space Research Institute of the Austrian Academy of Sciences, Graz, Austria
Project: *Magnetic clouds and their solar origin* (FWF P20145-N16)

2005-2007 Post-Doc Scientist

Hvar Observatory, Faculty of Geodesy, University of Zagreb, Croatia
Project: *On the feed-back relation between flares and CMEs* (FWF J2512-N02)

2004-2005 Post-Doc Scientist

IGAM/Institute of Physics, University of Graz, Austria
Project: *A Solar Flare Recognition and Analysis System* (FWF P15344)

2001-2004 PhD student and research assistant

IGAM/Institute of Physics, University of Graz
Project: *A Solar Flare Recognition and Analysis System* (FWF P15344)

1999-2001 Research student

IGAM/Institute of Physics, University of Graz
Project: *Solar Variability* (FWF P13655-PHY)

AWARDS:

- *Erwin Schrödinger Scholarship* from the Austrian Science Fund (2005)
- *APART* (Austrian Programme for Advanced Research and Technology) fellowship from the Austrian Academy of Sciences (2008)

PUBLICATIONS:

- 37 peer-reviewed scientific papers in international journals (12 as first author)
- 36 articles in conference proceedings

INVITED REVIEW TALKS:

- “Statistical properties of flares/sunspots over the solar cycle”
(SOHO-23, 2009, Northeast Harbor, USA)
- “Coronal mass ejections and radio related aspects”
(CESRA10, 2010, La Roche-en-Ardenne, Belgium)

RESEARCH:

- **Main field:** Coronal mass ejections (3D evolution, IP propagation, relation to flare processes), Energy release in solar flares, Global coronal wave phenomena (Moreton, EUV waves)
- **Further interests:** Coronal holes (relation to CME propagation, solar wind and geomagnetic parameters), Solar activity, Solar-Terrestrial coupling

TEACHING at University of Graz:

2008-2009 & 2003-2005 External Lecturer

- STEREO/Hinode Data Analyses, Seminar in Astrophysics, Interstellar Matter
- Astroph. Data Analysis, Solar Physics, Seminar in Astroph., Theor. Astroph. I

2001-2003 Teaching Assistant

- Introductory course on Astrophysics

RESEARCH COLLABORATIONS (international):

- Astronomical Institute of the Slovak Academy of Sciences, Slovakia (Rybák)
- Department of Physics and Astronomy, Univ. of Glasgow, Scotland (Kontar)
- EOS, Univ. of New Hampshire, Durham, NC, USA (Farrugia)
- Hvar Observatory, Univ. of Zagreb, Croatia (Vršnak)
- NASA Goddard Space Flight Center, Greenbelt, MD, USA (Gopalswamy)
- Solar Physics Department (SIDC), Royal Observatory, Belgium (Magdalenić)
- Space Science Laboratory, UC Berkeley, CA, USA (Krucker)

PROFESSIONAL SERVICE:

- Referee for the international journals:
Solar Physics, Astronomy and Astrophysics, Astrophysical Journal, Geophysical Research Letters, Journal of Geophysical Research, Advances in Space Research, Monthly Notices of the Royal Astronomical Society, New Astronomy
- Supervision of diploma and co-supervision of PhD students