

# DR. HERMANCE J. HAGENAAR

## WORK ADDRESS

Lockheed Martin ATC, Bldg. 252, Org ADBS  
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## HOME ADDRESS

242 Divisadero St., Apt. #4  
San Francisco, CA 94117  
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## EDUCATION

### Study Theoretical Physics and Astrophysics

Utrecht University, Netherlands 08/89 - 03/95

### Ph.D. Student Solar Physics

Utrecht University 03/95 - 05/99  
Half time at LMSAL, Palo Alto  
Funding from Leidsch Kerkhoven Bosscha Fonds, Netherlands  
Two Amelia Earhart Fellowship Awards from Zonta International

Ph. D. Thesis: **Flows and Magnetic Patterns on the Solar Surface** 05/99

## COMPUTER SKILLS

Languages: IDL  
HTML  
Unix  
LaTeX  
Microsoft Powerpoint, Word, Excel  
Software: Feature Recognition and Tracking Algorithms for  
large Solar Data Bases

## EXPERIENCE

**Senior Scientist** Lockheed Martin ATC 07/99 - Current  
Palo Alto, CA

**SH-MOWG** NASA 01/01 - 02/04:

Solar and Heliospheric Management Operations Working Group, formed to facilitate communications between the Solar and Heliospheric Cluster science team at NASA Headquarters and the community.

**Visiting Observer** Sacramento Peak Observatory, NM 09/03, 04 - 07/05, 11/06, 04/07

**Magnetic Tracking Workshop** St Andrews University (Scotland) 11/04  
LMSAL, CA 12/06  
SwRI in Boulder, CO 07/07  
UCB's SSL 12/07  
St. Andrews 09/08  
SwRI, Boulder 06/09

Participation in and Organization of the Magnetic Tracking Workshop, a series of informal conferences on computer vision applied to the solar magnetic field, a particularly challenging application. Several research groups are represented.

**PUBLIC OUTREACH**

Contributed to Design and Development of Webpages

<http://www.sot.lmsal.com/pod> 2008-2009

Internet Site with spectacular movies of Hinode/SOT Observations

<http://www.lmsal.com> 2009

Home page for Lockheed Martin Solar and Astrophysics Laboratory

Solar Calendars 2009, 2010

Design and Development of Solar Calendars of Observations by the Japanese/American Hinode Satellite