

ANDREAS LAGG CV

February 17, 2021

- ▶ **Status:** senior scientist at MPI for Solar System Research (Germany), research fellow at Aalto University (Finland)
- ▶ **Research:** magnetism in the photosphere & chromosphere of the Sun, radiative transfer, inversion methods, solar instrumentation
- ▶ **Tasks:** Project Management SUNRISE III, leader of the research group SLAM@MPS, supervision of PhD students
- ▶ **IDs:** ORCID ID: <https://orcid.org/0000-0003-1459-7074>
Researcher ID: <https://publons.com/researcher/W-8166-2019/>
- ▶ **Personal:** born: 20-Feb-1968 in Breitenwang, Austria; nationality: Austrian



Academic Preparation

1998	Ph.D. in Physics	University of Innsbruck, Austria
	<ul style="list-style-type: none"> ▶ <i>Energetic Particles in the Jovian Magnetosphere: Simulation and Results from the Energetic Particles Detector on Board the Galileo Spacecraft</i> ▶ Max-Planck-Institut für Aeronomie, Katlenburg-Lindau, Germany 	
1994	Diploma in Physics	University of Innsbruck, Austria
	<ul style="list-style-type: none"> ▶ <i>Analysis of Neutral Gas Products of a DC-Discharge of an Ar – CH₄ – O₂ Mixture Using Ion-Molecule-Reaction Mass Spectrometry</i> ▶ Advisor: Univ. Prof. Dr. Werner Lindinger 	

Professional Experience

since 2021	research fellow	Aalto University, Finland
	<ul style="list-style-type: none"> ▶ 10% contract in Computer Science Department ▶ Numerical modelling of the solar interior; prediction of magnetic flux emergence 	
since 2019	project manager of the SUNRISE III observatory	MPS Göttingen
	<ul style="list-style-type: none"> ▶ responsible for technical and scientific staff at MPS (≈ 20 employees) and communication with international consortium ▶ stratospheric solar observatory, launch: June 2022 	
since 2007	involvement in EST	MPS Göttingen
	<ul style="list-style-type: none"> ▶ acted as MPS contact person for the H2020 EU proposals EST, SOLARNET, SOLARNET-2, PRE-EST ▶ actively contributed to science definition and instrument design 	
2005 - 2019	SLAM group leader	MPS, Göttingen
	<ul style="list-style-type: none"> ▶ research group 'Solar Lower Atmosphere and Magnetism' (SLAM) ▶ 20–30 PhD students, postdocs and senior scientists 	

Feb 2009 **USO main lecturer** Abisko, Sweden

- › main lecturer at the USO Abisko Winter School
- › radiative transfer, inversion techniques

Jul-Okt 2008 **visiting professor** NAOJ, Japan

- › 3-month visiting professorship at the National Astronomical Observatory of Japan (NAOJ), Tokyo, Japan
- › main topic: chromospheric magnetic field measurements

since 1999 **MPS staff member** MPAe, Katlenburg-Lindau / MPS, Göttingen

- › planetary department (1999-2000); solar department 2001 - now; permanent contract since 2008
- › Infrared polarimetry of the solar photosphere and chromosphere: analysis and observations (senior scientist in SLAM group at MPS)
- › Development of inversion codes for solar spectro-polarimetry data
- › Analysis of Cassini MIMI/LEMMS and Galileo EPD data
- › Development of a high resolution time-of-flight system for the Rosetta orbiter

1998 - 1999 **postdoc researcher** Johns Hopkins University Applied Physics Laboratory, USA

- › space department
- › analysis and simulation of the Energetic Particle Detector (EPD) on board the Galileo spacecraft

Memberships / Positions

- › member of the Time Allocation Committee (TAC) for the Tenerife Observatory
- › member of the TAC of the European Association for Solar Telescopes (EAST)
- › Co-investigator of the Polarimetric and Helioseismic Imager (PHI) on board Solar Orbiter

Academic Record

- › acted as supervisor and co-supervisor of 17 PhD students
- › 20+ invited talks at conferences
- › 135 refereed publications (including co-author), 248 total
- › number of Citations: 6664
- › h-index: 47
- › i10-index 126
(according to google scholar, February 17, 2021)

Award

1999 **Honorary member** Johns Hopkins University Applied Physics Laboratory

- Honorary member of the Space Physics Department of the Johns Hopkins University / Applied Physics Laboratory for achievements in my work on the Jovian magnetosphere