

Ivan Milić

Max-Planck Institut für Sonnensystemforschung
Justus-von-Liebig-Weg 3
37077 Göttingen, Germany

Phone: +49 551 384 979-504

Email: milic@mps.mpg.de

Personal

Born on January 10, 1985.

Serbian Citizen.

Education

Gimnasium Valjevo, 2004.

Diploma in astrophysics, Faculty of Mathematics, University of Belgrade, 2010 (average mark **8.92**)

PhD in astrophysics, Faculty of Mathematics, University of Belgrade, 2014. **Thesis title** “Acceleration of methods for multidimensional polarized radiative transfer and their application”.

Visiting PhD student at Lagrange laboratory, University of Nice Sophia-Antipolis between 2011 and 2014.

Employment

Postdoc researcher, Max-Planck Institute for Solar system research, October 2014-present

Research assistant, Astronomical Observatory Belgrade, September 2012-October 2014

Research apprentice, Astronomical Observatory Belgrade, February 2011-September 2012

Head of Department of astronomy in Petnica Science Center, January 2010-December 2012

Interests

Radiative transfer of polarized light

NLTE line formation.

Spectropolarimetric inversions.

Scattering polarization.

Journal papers

Milić I., Faurobert M., “Scattering line polarization in rotating, optically thick disks”, 2014, *Astronomy & Astrophysics*, 571

Milić I., Atanacković, O. “Accelerating multidimensional NLTE radiative transfer using forth-and-back implicit lambda iteration”, 2014, *Advances in Space Research*, vol. 54, issue 7

Faurobert, M., Milić, I., Atanacković, O. “Boundary conditions for NLTE polarized radiative transfer with incident radiation”, 2013, *Astronomy & Astrophysics*, 559

Milić, I. “Polarized Radiative Transfer in 2D cylindrical coordinates”, 2013, *Astronomy & Astrophysics*, 555A

Milić, I., Faurobert, M. “Modeling of scattering polarization in molecular solar lines in spherical geometry”, 2012, *Astronomy & Astrophysics*, 539

Milić, I., Faurobert, M. “Hanle diagnostics of weak solar magnetic fields: Inversion of scattering polarization in C2 and MgH molecular lines”, 2012, *Astronomy & Astrophysics*, 547

Recent conferences, schools, and workshops

IAU Symposium 305: The Sun to Stars and Stellar Environments, December 2014, Puenta Leona

Astropol meeting, May 2014, Grenoble

WG2 meeting of COST action MP1104, May 2014, Prague

First SOLARNET school on Solar physics, March 2014, Wroclaw

Solar Polarization Workshop 7, September 2013, Kungmin

IAU Symposium 300: Nature of Prominences and their role in Space Weather, June 2013, Paris

International School on Astrophysical Polarimetry, June 2013, Aussois

Grants and scholarships

Solarnet 8 week grant for a STSM in Nice, January and February 2014

Eiffel scholarship laureate, Academic year 2012/2013

PNST (Programme National Soleil-Terre) grant, April 2011 and April 2012

EGIDE one-month research grant, July 2011 and June 2012

Henry Poincare Junior Fellowship March-June, 2011

Other relevant experience

Participant in COST action MP1104: Polarization as a tool to study Solar system and beyond

Organizer and lecturer at Petnica Summer Institute

Observational experience at THEMIS solar telescope, June 2012

Other skills

Basic knowledge of CCD image processing software (MaximDL, IRAF)

Programming/Scientific computing (C/C++, IDL)

Languages

Serbian (Native speaker)

English (fluent)

Last updated: July 22, 2015