Lazar Živadinović | Curriculum Vitae

Myaddress

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Personal info

Date of birth: blabla
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Education

University of Belgrade, Faculty of Mathematics, Department of Astronomy   **Belgrade, Serbia**
Major in Astronomy and Astrophysics   *2013 – present*
Undergraduate

Gymnasium "General gymnasium - Kruševac"   **Kruševac, Serbia**
Natural Science class   *2009 – 2013*

Publications and Conference Proceedings

Density profile of Milky Way: Comparison of dynamical model and Monte Carlo method for determining stellar space densities:

Živadinović L., Milošević S., Milić D. Serbian astronomical conference; Belgrade; Serbia; 2017; In preparation

Temperature distribution in Solar active region:

Živadinović. L.; Mentored by Milić I.; Proceedings of the 12th Petnica's annual conference; Petničke sveske; Petnica Science Center, Serbia; 2013;

Work and Research Experience

ITEkako D.O.O.   **Belgrade, Serbia**
DevOps Engineer   *May 2017. - present*
- Work with CI/CD tools
- Work with configuration management tools
- Server and network maintenance

Max Planck Institute For Solar System Research   **Göttingen, Germany**
Research Internship at SLAM gropu   *4th July - 5th September, 2016*
- Research subject: **Time series of photospheric Poynting flux** mentored by PhD Pradeep Chitta
  - Rate of change of photospheric poynting flux induced by horizontal photospheric motions
  - Analysis of SST/CRISPEX spectropolarimetric data

Petnica Science Center   **Valjevo, Serbia**
Junior Teaching Assistant   *2015-Present*
- Junior teaching assistant in astronomy department
  - Organization of seminars for high school students
  - Various lectures for high school students (calculus, statistics, error analysis, observational data reduction, solar physics, programming and scientific computing...)
  - Monte Carlo Radiative Transfer simulation of sunset and detectability of cyanobacteria in exoplanets atmospheres
  - Analysis of magnetic field in sunspot based on Fe I line pair
  - DSLR photometry on Delta Scutti variable stars
  - Maintenance of personal computation server

Petnica Science Center **Valjevo, Serbia**
Participant and presenter at annual conference "Step into science" *2012-2013*
- Research subject: **Temperature distribution in Solar active region** mentored by Milić, I.
  - Data reduction of HINODE/SOT BFI data of Solar active region using SolarSoft library
  - Using MARCS synthetic stellar spectra for comparing intensities with reduced data from HINODE/SOT

Other relevant experiences, schools and workshops

Spectroscopic data analysis with iSpec **Wroclaw, Serbia**
Participant, spectral data reduction and analysis with iSpec *26th-29th June 2018*

10th Student astronomical workshop (SAR) **Novi Sad, Serbia**
Talk on, "Poynting flux derived from photospheric motions" *18th November 2017*

Advanced data mining with the Sloan Digital Sky Survey **Belgrade, Serbia**
Workshop on databases structures and their usage in astronomy *9th- 11th July 2017*

Observational school, SVAP 2017 **Prokuplje, Serbia**
3 day education course on "AS Vidojevica" and remote observation with 60cm RC telescope *1st-6^{th}June 2017*
Remote observation, photometry and data reduction

9th Student astronomical workshop (SAR) **Belgrade, Serbia**
Talk on, "Temperature distribution in Solar active region and image reconstruction techniques" *23rd April 2016*

Observational school, SVAP 2016 **Prokuplje, Serbia**
4 day education course on "AS Vidojevica" and usage of 60cm RC telescope *1st-4^{th}April 2016*
Photometry and data reduction

Dom Omladine Beograda **Belgrade, Serbia**
Astronomy school for high school student *May, 2014 - May, 2015*
- Lecturer and part of organization team

Summer schools
Participant
- **Summer school of Astronomy and Astrophysics** - Petnica Science Center, Valjeo (24. July - 2. August, 2015.)
- **Scientific computer seminar** - Petnica Science Center, Valjevo (May 2013)

Computer skills

General purpose programming: Python, IDL

System administraton: Linux, bash, LDAP, OpenVPN, Ansible, Webservers, RDB

Scientific Software: IRAF/PyRaf, MaximDL, Origin/QtiPlot, SAODS9, LaTeX

Research interest

- Dynamics of Solar atmosphere
- Spectropolarimetric inversion
- Image reconstruction
- Instrumentation

Languages

- **Serbian**: Native speaker
- **English**: Fluent

Interests

- Musical instruments and music
- Graphic novels/comic books
- Cooking
- Mountaineering

Last update, December 9, 2018