

Monika Jurkovic

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RESEARCH

- *Interests:* pulsating variable stars, Type II Cepheids, PL relation
- *Techniques:* optical photometry and spectroscopy, data reduction in IRAF, frequency analysis (Fourier decomposition), data mining, scripting, basic knowledge of C and Python programming languages

EDUCATION

- 2010-till present: University of Belgrade, Serbia, Department of Astronomy, PhD student of Astronomy and Astrophysics
- 2001-2006: University of Szeged, Hungary, Faculty of Natural Sciences, Masters in Astronomy
- 2000-2005: University of Szeged, Faculty of Natural Sciences, Masters in Physics teaching
- 1996-2000: "Svetozar Marković" Grammar School, Subotica, specialized natural sciences class

LANGUAGES

- English, German, Serbian, Hungarian

PROFESSIONAL EXPERIENCE

- 2013, July, 4-8 lecturer and technical support for the 2nd Student's Astronomical Practical Work at Vidojevica
- 2013, February visiting researcher at the Konkoly Observatory, Budapest, Hungary
- 2012, "Future Science with Metre-class Telescopes", BELISSIMA conference, Belgrade, Serbia, local organizing committee member
- 2011, 2012 participant of the "BELISSIMA" EU FP7 project
- 2012, April - July visiting researcher at the Leibnitz-Institut für Astrophysics, Potsdam, Germany, "Quantitative analysis of time series of classical Cepheids spectra taken with STELLA telescopes"
- 2011-2012 regular (monthly) observations at the Astronomical Station Vidojevica, Serbia (60 cm telescope)
- 2011, October, 10-12, "XVI National Conference of Astronomers of Serbia", local organizing committee member
- 2011, June, 5-11, "Second Workshop on Robotic Autonomous Observatories", Malaga, Spain, section chairperson
- 2003, March, Max Planck Institute für Radioastronomie, Bonn, Germany, participation in a 1 week course
- 2003, 2005 Hungarian Academy of Science, Astronomical Observatory Pizskéstető, 1 week long observations

WORKING EXPERIENCE

- 2011-till present research assistant at the Astronomical Observatory of Belgrade
- 2009 CE Optics Kft., Szeged, Hungary, assistant
- 2006-2008 Logintech Magyarország Kft., Szeged, Hungary, seminar organizer, assistant
- University of Szeged, Department of Experimental Physics:
 - from 2003 on, participation in outreach activity of the Observatory in Szeged
 - 2004/2005 II. semester: Practical Session in Physics and Biophysics for Pharmacists
- University of Szeged, Department of Optics and Quantum Electronics:
 - 2008/2009 I. Semester: Physics for Computer Engineers, Physics for Environmental Engineers
 - 2008/2009 II. semester: Experimental Physics Practical Session

SCHOLARSHIPS/ GRANTS

- 2013 OPTICON grant for the full coverage of cost of the "Awareness Conference in Astrophysics", Bucharest, Romania
- 2013 IAU Grant for participating at the IAU Symposium 301 "Precision Astroseismology", Wroclaw, Poland
- 2013, February DOMUS grant from the Hungarian Academy of Sciences for a month long visit at the Konkoly Observatory
- 2013 CHM "Soós Kálmán ösztödij" scholarship for the 2012/2013 school year from the Hungarian Government
- 2012 DOMUS Home grant from the Hungarian Academy of Sciences
- 2008 European Union Marie Curie Program - On the Fringe Event: Astrometry and Imaging with the Very Large Telescope Interferometer Summer School, Keszthely, Hungary, 2-13 of June, 2008, full recovery of finances
- 2008 Szekeres László Foundation (Serbia), grant
- 2006-2009 Márton Áron PhD scholarship
- 2006, September, MECENATÚRA Apponyi Albert grant
- 2005-2006 Ösztödij Alapítvány (Scholarship Foundation) scholarship
- 2004-2005 Köztársasági Ösztödij-Scholarship of the Hungarian Republic
- 2000-2005 Márton Áron student scholarship

CONFERENCES, SUMMER SCHOOLS, WORKSHOPS

- "Awareness Conference in Astrophysics", OPTICON workshop, Bucharest, Romania, 24-28 of September, 2013, participant
- IAU Symposium 301:"Precision Astroseismology", Wroclaw, Poland, 19-23 of August, 2013, poster
- "Future Science with Metre-class Telescopes", BELISSIMA conference, Belgrade, Serbia, 18-21 of September, 2012, participant
- "XVI National Conference of Astronomers of Serbia", Belgrade, Serbia, 10-12 of October, 2011, presentation
- IAU Symposium 282:"From Interacting Binaries to Exoplanets: Essential Modeling Tools", Tatárska Lomnica, Slovakia, 18-22 of July, 2011, participant

- "Second Workshop on Robotic Autonomous Observatories", Malaga, Spain, 5-11 of June, 2011, poster
- On the Fringe Event: Astrometry and Imaging with the Very Large Telescope Interferometer Summer School, Keszthely, Hungary, 2-13 of June, 2008, participant and oral presentation
- FROM OUR STAR TO FAR STARS: VARIATION AND VARIABILITY, British - Hungarian - French N+N+N Workshop for Young Researchers, Budapest, Hungary, 15-17 of January, 2007, poster and oral presentation
- World Science Forum, Budapest, Hungary, 8-10 of November, 2007, participant
- Precision Spectroscopy in Astrophysics Conference, Aveiro, Portugal, 10-17 of September, 2006, oral presentation

EXTRA-CURRICULAR ACTIVITIES

- 2003 - 2009 public lecturer at the Observatory in Szeged, Szeged, Hungary
- 2010 finalist in the national competition for the best science communicator "Famelab"
- participant of radio and TV shows (as an astronomer)

PUBLICATIONS

- 11 comet and minor planet observations in Minor Planet Circular and Minor Planet Electronic Circular 2006-2008
- Jurkovic, M.; Szabados, L.; Vinkó, J.; Csák, B., 2007, "Pulsation and orbit of AU Pegasi", *Astronomische Nachrichten*, Vol. 328, Issue 8, p. 837
- Jurkovic, Monika; Vinkó, József; Precision Spectroscopy in Astrophysics, Proceedings of the ESO/Lisbon/Aveiro Conference held in Aveiro, Portugal, 11-15 September 2006, Mapping Atmospheric Motions in Classical and Type II Cepheids. Edited by N.C. Santos, L. Pasquini, A.C.M. Correia, and M. Romaniello. Garching, Germany, 2008 pp. 165-168
- Vince, O. ; Jurkovic, M., 2012: "The Astronomical Station Vidojevica: The 60 cm Telescope", *Publications of the Astronomical Observatory of Belgrade*, vol. 91, pp. 77-82
- Martinović, N.; Jurković, M.; Stojanović, M.; Vince, O.; Bogosavljević, M., 2012: "Future Robotic observatory on Mountain Vidojevica: site and equipment specification", *Astronomical Society of India Conference Series*, Vol. 7, p. 187
- Ahmed Essam, Gojko Djurasevic, Nasser M. Ahmed, Monika Jurkovic, 2013: "A photometric study of the W-UMa type eclipsing binary system 1SWASP J160156.04+202821.6", accepted
- B. Vukotić, M. Jurković, D. Urošević and B. Arbutina, 2013: "On calibration of some distance scales in astrophysics", *Monthly Notices of the Royal Astronomical Society*, accepted