

CURRICULUM VITAE

Sladjana Knežević

Maiden: Nikolić

WORK ADDRESS: Astronomical Observatory Belgrade
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PERSONAL INFORMATION

Date of Birth 9th of June 1985
Place of Birth Zaječar, Serbia
Nationality Serbian
Languages Serbian (mother tongue), English (fluent), French (mediocre), German (basic)

RESEARCH TITLE

2017 – 2022* Research Associate
(* extended to 2023 due to maternity leave)

RESEARCH INTERESTS

Supernova and nova remnants: Morphology and kinematics
Cosmic rays: Probing hadronic cosmic rays with Balmer-dominated shocks
Observations and data reduction: Integral-field spectroscopy, Fabry-Pérot interferometry
Data analysis: Bayesian inference

EDUCATION

2010 – 2014 Astronomy PhD at Max Planck Institute for Astronomy, Heidelberg
grade: magna cum laude
2004 – 2010 Astronomy and Astrophysics undergraduate (BSc & MSc) at Belgrade University
BSc grade 9.6 (out of 10), MSc grade: 10 (out of 10)
2000 – 2004 High school “XIII Belgrade gymnasium”, Belgrade, Serbia

RESEARCH EXPERIENCE

2017 – Research Associate at Astronomical Observatory Belgrade, Serbia
2014 – 2017 Benozio Postdoctoral Fellow at Weizmann Institute of Science, Rehovot, Israel
2010 – 2014 PhD thesis at Max Planck Institute for Astronomy, Heidelberg
Title: An Integral View of Shocks
Supervisor: Dr. Glenn van de Ven
2009 – 2010 Undergraduate thesis at Belgrade University
Title: Radio Evolution of the supernova remnant of SN 1006
Supervisor: Prof. Dejan Urošević
2007 Undergraduate research project at the Astronomical Institute
of Academy of Sciences of the Czech Republic, Ondřejov
Title: Improving Algorithm for Automatic Spectra Processing
Supervisor: Pavel Kotrč

TEACHING EXPERIENCE

2012 – 2013 Teaching assistant for the “Theoretical Astrophysics” at Ruprecht-Karls University,
Heidelberg, Germany

SCHOLARSHIPS/GRANTS/AWARDS

2018, May 05–07	LMU München Universität Sternwarte travel support to attend Workshop "Astrophysical Shocks", Leibniz-Institut für Astrophysik, Potsdam, Germany
2017, Feb 20–24	IAU grant to attend the symposium IAUS 331
2014 – 2017	Benoziyo Prize Postdoctoral Fellowship in Astrophysics, Weizmann Institute of Science
2014, Jun-Oct	International Max Planck Research School supporting grant
2014, Jan-Apr	Heidelberg Graduate School of Fundamental Physics supporting grant
2013, Jan 07–11	IAU grant to attend the symposium IAUS 296
2010 – 2013	International Max Planck Research School PhD Fellowship
2008	Ministry of Education, Science and Technological Development, Republic of Serbia Award for Extraordinary Student
2006 – 2007	Ministry of Education, Science and Technological Development, Republic of Serbia Scholarship for Academic Excellence

INVITED TALKS

2018, May 05–07	Workshop "Astrophysical Shocks", Leibniz-Institut für Astrophysik, Potsdam, Germany Talk: "Shock precursors in the north-eastern rim of Tycho's supernova remnant"
2013, Jun 20	Colloquium at National Institute for Astrophysics, Arcetri, Florence, Italy Talk: "High-spatial resolution spectro-photometric imaging of Balmer-dominated shocks"

LIST OF RELEVANT PREVIOUS PROJECTS OR ACTIVITIES:

2017 – 2019	Participant at the National project ON176021: "Visible and invisible matter in nearby galaxies: theory and observations".
2018 – 2019	PI of the ON176021 sub-project "Supernova remnants: spectro-photometric observations of shock waves".
2012	PI of the observational proposal 089.D-0264(A): "VIMOS-IFU spectroscopy of shocks in SN1006: Cosmic-ray acceleration efficiency and temperature equilibration", 18 hours awarded at the Very Large Telescope.

MEMBERSHIPS

2021 –	IAU Individual Member
2018 – 2021	IAU Junior Member

COMPUTER SKILLS

Operating systems	Linux/Unix, Windows
Programming	IDL, C
Graphics	IDL, ORIGIN
Text processing	LaTeX, MSWord
Other	IRAF, SExtractor, GAIA:SkyCat, Karma toolkit, MSPowerPoint

PUBLICATIONS

1. Bandiera R., Morlino G., Knežević S., Raymond J.C., 2019, MNRAS, Vol. 483, Issue 2, p.1537-1557
2. Kostić P., Knežević S., Vukotić B., 2019, Contributions of the Astronomical Observatory Skalnat Pleso, vol. 49, no. 2, p. 377-379
3. Knežević S. et al., 2017, ApJ, Vol. 846, Issue 2, article id. 167, 30 pp.
4. Miller, A.A. et al., 2017, ApJ, Vol. 848, Issue 1, article id. 59, 13 pp.
5. Nikolić S. et al., 2013, Science, Vol. 340, Issue 6128, pp. 45-48

CITATIONS

Excluding self-citations/total: 49/52 (SCOPUS), 67/70 (NASA ADS)
Hirsch index (SCOPUS): 3