
CONTACT INFORMATION	Şeyh Şamil Mah. 587 Sok. Acar Sitesi no:7 A/24 Etimesgut/ANKARA	Mobile Phone : (+90) 541 979 59 75 E-mail: onurbenli21@gmail.com Web : https://onurbenli21.wixsite.com/astro
PERSONAL INFORMATION	Born in Çanakkale/Turkey, 1987, Citizen of Turkey	
CURRENT AFFILIATION	Part-time Lecturer, TED University	
RESEARCH INTERESTS	Accretion onto compact objects, dynamical evolution and radiative properties of accretion disks, transitional millisecond pulsars, accreting X-ray binaries, pulsar magnetosphere.	
EDUCATION	Sabancı University , İstanbul, Turkey Ph.D., Physics, June 2016 <ul style="list-style-type: none">• Thesis Topic: <i>Investigation of isolated neutron stars with the fallback disk model</i>• Supervisor: Ünal Ertan İzmir Institute of Technology , İzmir, Turkey B.S., Physics Department, June 2010	
RESEARCH EXPERIENCE	<ul style="list-style-type: none">• Postdoctoral Researcher - Strasbourg Observatory Jan. 2020 - Jan. 2021• Postdoctoral Researcher - University of Southampton Feb. 2019 - December 2019• Postdoctoral Researcher - Sabancı University Mar. 2017 - Jan. 2019• Postdoctoral Researcher - Sabancı University Jul. - Sep. (2016)• Ph.D. Research Assistant 2013 - 2016 <i>Physical Properties and Evolutionary Connections of Young Neutron Star Systems</i>", TUBITAK Project Supervised by Ünal Ertan• Ph.D. Research Assistant 2010 - 2013 <i>"Investigation of the Evolution of Young Neutron Star Systems by Fallback Disks"</i>, TUBITAK Project Supervised by Ünal Ertan• Undergraduate Research Project 2008 - 2010 Supported by TUBITAK <i>"General Relativity and Palatini Formulation"</i> Supervised by Durmuş Ali Demir	

REFEREED
JOURNAL
PUBLICATIONS

1. **Benli, O.**, J. Petri & D. Mitra "Constraining millisecond pulsar geometry using time-aligned radio and gamma-ray pulse profile", 2021, *Astronomy & Astrophysics*, 647, A101
2. **Benli, O.** "On the peculiar torque reversals and the X-ray luminosity history of the accretion-powered X-ray pulsar 4U 1626-67" 2020, *MNRAS*, 495, 3531
3. **Benli, O.** & Ertan, Ü. "Central Compact Objects: some of them could be spinning up?" 2018, *MNRAS*, 478, 4890
4. **Benli, O.** & Ertan, Ü. "Rotational and X-ray luminosity evolution of high-B radio pulsars" 2018, *New Astronomy*, 61, 78-83
5. **Benli, O.** & Ertan, Ü. "On the evolution of high-B radio pulsars with measured braking indices" 2017, *MNRAS*, 471, 2553
6. **Benli, O.** & Ertan, Ü. "Long-term evolution of anomalous X-ray pulsars and soft gamma repeaters" 2016, *MNRAS*, 457, 4114
7. **Benli, O.**, Çalışkan, Ş. & Ertan, Ü. "Long-term evolution, X-ray outburst and optical/infrared emission of SGR 0501+4516" 2015, *MNRAS*, 447, 2282
8. Ertan, Ü., Çalışkan, Ş., **Benli, O.** & Alpar, M. A. "Long-term evolution of dim isolated neutron stars" 2014, *MNRAS*, 444, 1559
9. **Benli, O.**, Çalışkan, Ş., Ertan, Ü., et al. "X-Ray Enhancement and Long-term Evolution of Swift J1822.3-1606" 2013, *ApJ*, 778, 119

JOURNALS
REFEREED

The Astrophysical Journal (ApJ)

AWARDS &
GRANTS

BIDEB 2219 Postdoctoral Fellowship	2018
Teaching Assistant Incentive Award, Sabancı University	2013
Project Scholarship offered by Sabancı University	2010 - 2016
TEV (Turkish Educational Foundation) Scholarship for undergraduate study	2005 - 2010

ACTIVE
MEMBERSHIPS

Turkish Astronomical Society (TAD)
International Astronomical Union (IAU)
European Astronomical Society (EAS)

COURSES
OFFERED

- PHYS101: General Physics I, TED University
 - 2022-2023 Spring
- PHYS105: Mechanics & Electricity, TED University
 - 2022-2023 Spring
 - 2022-2023 Fall (2 Sections)
 - 2021-2022 Spring (3 Sections)

Teaching Assistant

- Astrophysical Disks Summer School August 2017
Feza Gürsey Institute, Istanbul, Turkey
- Academic Support Program (ADP) 2015 Fall - 2016 Spring
Peer study with students
Sabancı University
- Science of Nature II - “ *Module I: Climate change, Module II: Can we ever comprehend the human brain?*” Fall 2014
(I contributed also to the organization of the lecture content)
Instructors: Gözde Ünal, Gözde İnce
Sabancı University
- Science of Nature I - “ *Classical mechanics, statistical mechanics, electricity & magnetism and quantum mechanics*” 2010-2014
Instructors: M. A. Alpar, Ü. Ertan, E. Kalemci, E. Gogus, Y. Kaneko
Sabancı University
- Hakkı Ögelman Summer School (twice) 2011, 2012
“ Physics for Astronomers”
Instructor: M. Ali Alpar
The Science Academy, Istanbul

PROFESSIONAL
ACTIVITIES

Conferences

- “*SPINS-UK 2019, UCL*”, UK May 2019
(Contributed Talk)
- “*Jodrell Bank Centre for Astrophysics The University of Manchester*”, UK April 2019
(Invited Talk)
- “*42nd Cospar Scientific Assembly - E1.10: Structure, Evolution and Dynamics of Neutron Stars*”, Pasadena, CA, USA July 2018
(Contributed Talk)
- “*19th National Astronomy Conference*”, Ankara, Turkey Feb 2015
- “*Physics of Neutron Stars*” commemorating the 100th birthday of Yakov Borisovich Zel’dovich, St. Petersburg, Russia July 2014
(Poster Presentation)
- “*Explosive Transients: Lighthouses of the Universe*”, Santorini, Greece Sep 2013
(Poster Presentation)

- “*International Summer School and Conference on High Energy Physics: Standard Model and Beyond (ISSCSMB-09)*”, Muğla, Turkey 27 Aug - 04 Sep. 2009
- “*5th National Student Conference of Turkish Physical Society (UFOK-5), METU Ankara/Turkey,*” June 2009
- “*3rd National Student Conference of Turkish Physical Society (UFOK-3), ESOGU Eskişehir/Turkey,*” May 2007

Summer Schools

- “*Python Programming for Astronomers*” Feza Gürsey Institute, Istanbul, Turkey Aug 2014
- “*International Research Advanced School in Physics -PHYSICS OF STARS*”, ITAP, Marmaris, Turkey July 2011
- “*Summer School on Differential Geometry & Its Applications in Theoretical Physics*”, Feza Gürsey Institute, Istanbul, Turkey Aug 2009

COMPUTER SKILLS Unix-like operating systems (GNU/Linux), Fortran, Python, C++, gnuplot and LaTeX

LANGUAGE SKILLS **Turkish:** Native language
English: Fluent (Exam: ÜDS2010, Grade: 92.25)
French: Basic

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