

# Anže Slosar

Nationality: Slovene  
Date of birth: 23 November 1977  
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## **Professional development**

2022 - Senior Physicist, Group Leader for Cosmology and Astrophysics Group  
Brookhaven National Laboratory  
2015 - 2022 Physicist with tenure, Group Leader for Cosmology and Astrophysics Group  
Brookhaven National Laboratory  
2009 - 2015 Assistant Physicist (2009), Associate Physicist (2011), Physicist (2014)  
Brookhaven National Laboratory  
2007 - 2009 Inaugural Fellow (5 year position)  
Berkeley Center for Cosmological Physics,  
University of California Berkeley & Lawrence Berkeley National Laboratory  
2006 - 2007 Postdoctoral Research Assistant  
Oxford Astrophysics, Department of Physics,  
University of Oxford, United Kingdom  
2004 - 2006 Postdoctoral Fellowship  
Faculty of Mathematics and Physics  
University of Ljubljana, Slovenia

## **Education**

2000 - 2003 Ph. D. Astrophysics  
Astrophysics Group, Cavendish Laboratory & St John's College,  
University of Cambridge, United Kingdom.  
Title of dissertation: Cosmology with the Very Small Array.  
Supervisors: Dr. K. J. B. Grainge, Dr. M. E. Jones.  
1996 - 2000 B. A. Hons. M. Sci. Natural Sciences  
Sidney Sussex College, University of Cambridge, United Kingdom.  
First Class (grade) in all years.

## **Grants and Awards**

2021 - BNL Program Development "LuSEE at Night", total ~ \$440k  
2021 - Co-PI on BNL Program Development "Astrophysics and Cosmology: Strategic response to the priorities of the ASTRO2020 Decadal Survey", total ~ \$1 million  
2017 - Co-PI on funded SciDac proposal "Accelerating HEP Science: Inference and Machine Learning at Extreme Scales", total ~ \$1.4 million  
2019 - Full Professor (Habilitation), University of Ljubljana  
2017 - 2020 Honorary Professor, University College London  
2016 - 2018 Two BNL Laboratory Directed Research and Development grants for development of 21-cm cosmology techniques  
2012 Selected one of the *Brilliant Ten* by the *Popular Science Magazine*  
2011 - 2016 Department of Energy *Early Career Award*, \$2.5 million award for young tenure track scientists

2012 - 2014	Co-PI on funded SciDAC proposal “Computation-Driven Discovery for the Dark Universe” (\$350k)
2009 - 2014	Visiting Scholar, Columbia University
2007 - 2012	Inaugural Fellowship, Berkeley Center for Cosmological Physics

## Research Experience, Service and Expertise Recognition

- Bibliographic Summary:
  - over 150 papers published in or accepted to refereed journals
  - 50 papers with > 100 citations according InSPIREHEP
  - Cited over 30,000 times (Google Scholar)
- Roles in LuSEE-Night:
  - Successfully co-lead the BNL bid for lead laboratory
  - Science Lead (2022-)
- Roles in LSST:
  - Analysis Coordinator for LSST DESC (2019-2021)
  - Invited member of the *Science Advisory Committee* of LSST project (2016-)
  - Elected member of the *LSST Dark Energy Science Collaboration Council* (2015-2017)
  - Co-convener of LSST DESC Large Scale Structure Working Group (2016-2019)
- Roles in BOSS/eBOSS:
  - Co-convener of the Lyman- $\alpha$  Cosmology Working Group in BOSS (2009-2012, 2014-2016)
  - Co-convener of the Lyman- $\alpha$  Cosmology Working Group in eBOSS (2018-2020)
- Roles relevant to funding agencies:
  - Lead author for “LuSEE at Night” report to Department of Energy (2020)
  - Topical convener to Snowmass CF4 subgroup (2019-)
  - Lead author to several science and project submission to Decadal Survey of Astronomy & Astrophysics, including the umbrella Dark Energy Science white-paper endorsed by all major collaborations and the PUMA project submission
  - Invited member of Department of Energy *Cosmic Visions Dark Energy* committee (2014-2020)
  - Invited member of the NASA *Cosmic Dawn Science Interest Group Steering committee* (2018)
  - Invited member of the *Particle Data Group Steering Committee* responsible for Cosmology (2012-2018)
  - Proposal reviewer for NASA (Theory and Fundamental Physics), Department of Energy (Early Career Awards, Comparative Review of Experimental Research at the Cosmic Frontier)
- Refereed for *Physical Review Letters (PRL)*, *Physical Review D (PRD)*, *Journal of Cosmology and Astroparticle Physics (JCAP)*, *Astrophysics Journal (ApJ)*, *Monthly Notices of Royal Astronomical Society (MNRAS)*, *New Astronomy*
- Invited colloquia and seminars at numerous universities (including in USA: Berkeley, Cornell, Chicago, Columbia, Harvard, NYU, Ohio State, Penn, Princeton, Yale, Stanford; in UK: Cambridge, Imperial College, Oxford, UCL; elsewhere: “La Sapienza” (Rome), Tokyo), national laboratories (including Fermilab, JPL, Los Alamos, CEA Saclay) and research institutions (including Institute of Advanced Study (Princeton), Canadian Institute for Theoretical Astrophysics (CITA), Chinese National Academy of Sciences Beijing, International Centre for Theoretical Physics (ICTP), MPI Heidelberg, Perimeter Institute).

## Teaching and Public Outreach experience

2012 -	Supervised over 20 SULI and HSRP students
2010 -	Experience and involvement in preparing press releases and web articles for both experiments (BOSS, eBOSS, LSST) as well as BNL
2007 - 2010	Founding member of the citizen science project <i>Galaxy Zoo</i> ; heavily involved with press relations and user interaction