Stanford

Sasha Philippov

Associate Professor of Physics

Bio

BIO

I joined Stanford University as an Associate Professor of Physics in June 2026. Before this appointment, I served as an Assistant Professor in the Department of Physics at the University of Maryland, College Park. Prior to Maryland, I was an Associate Research Scientist at the Flatiron Institute, following a Ph.D. in Astrophysical Sciences from Princeton University (2017) and an Einstein Postdoctoral Fellowship at UC Berkeley.

ACADEMIC APPOINTMENTS

- Associate Professor, Physics

HONORS AND AWARDS

- Outstanding Young Scientist Award, Maryland Academy of Sciences (2025)
- Packard Fellowship in Science and Engineering, David and Lucile Packard Foundation (2024)
- Sloan Research Fellowship in Physics, Alfred P. Sloan Foundation (2024)
- Thomas H. Stix Award for Outstanding Early Career Contributions to Plasma Physics Research, APS (2024)
- Einstein postdoctoral Fellowship, NASA (2017)
- Porter Ogden Jacobus Fellowship, Princeton University (2017)
- Earth and Space Science Fellowship, NASA (2015)

PROFESSIONAL EDUCATION

- MS, Moscow Institute of Physics and Technology , Applied Physics & Mathematics (2012)
- PhD, Princeton University , Astrophysical Sciences (2017)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research centers on high-energy astrophysics and numerical simulations of astrophysical plasmas, with a particular focus on the physical processes through which plasmas around compact objects generate multi-messenger signals.