FALLON P KONOW

Website ◇ fkonow1@gsu.edu ◇ LinkedIn

EDUCATION

Sapienza University of Rome, Rome, Italy *11/22 - Present*
PhD (Projected 03/26): Astronomy, Astrophysics and Space Sciences

Georgia State University, Atlanta, GA *07/20 - Present*
Master of Science, Physics *08/22*
PhD (Projected 03/26): Astronomy

Wesleyan University, Middletown, CT *07/16 - 05/20*
Bachelor of Arts: Astronomy, Physics, College of East Asian Studies (Minor)

GRANTS AND FELLOWSHIPS

"AsTropaLooza: The Astronomy of ATL Showcase" *2025*
Amount Allocated: $30,000
Funding Source: NASA, GSGC
PI: Justin Robinson, Co-PI: Fallon Konow

"A Multi-Height Investigation into Acoustic Wave Propagation in the Solar Atmosphere" *2024 -2026*
Amount Allocated: $81,000
Funding Source: NASA FINESST
PI: Petrus Martens, FI: Fallon Konow

"A New Instrument for Synoptic Space Weather Observing " *2024*
Amount Allocated: $2,000
Funding Source: Georgia State University Dissertation Grant Program
PI: Fallon Konow

"GSGC Graduate Internship Fellow" *2022*
Amount Allocated: $23,000
Funding Source: Georgia Space Grant Consortium

"2nd Century Initiative Fellow" *2020 - 2024*
Amount Allocated: $22,000 per year
Funding Source: Georgia State University

RESEARCH EXPERIENCE

Research Assistant, University of Rome Tor Vergata *11/22 - Present*
Graduate Research Assistant, Georgia State University *09/20 - Present*
Intern, NASA Jet Propulsion Lab *01/22 - 12/22*
Remote Sensing for Space Sciences Lab Intern, Georgia State University *06/21 - 05/22*
Research Assistant, Wesleyan University *05-20 - 12/21*
Undergraduate Research Assistant, Wesleyan University *01/19 - 05/20*

PUBLICATIONS

Konow, F. et al. 2024, *GATES: A New Network for Synoptic Space Weather Observation*, JATIS, in prep

Konow, F. et al. 2024, *GATES: A New Network for Synoptic Space Weather Observation*, SPIE, 13096

Konow, F. et al. 2024, *Constructing a Survey of the Local Interstellar Medium Using Hubble Spectra*, ApJ, in prep

Bentz, M. et al. 2022, *Broad-band Photometric Monitoring of 1226 Golia and 6349 Acapulco*, MPB, 49, 255-256

Wood, B., et al. 2021, *New Observational Constraints on the Winds of M Dwarf Stars*, ApJ, 951, 37

CONFERENCE TALKS AND POSTERS

SHINE 2025 Workshop; Poster No. 005 *2025*
"GATES: A New Network for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

56th SPD Meeting (joint with AAS and APLD); Talk No. 211.01 *2025*
"GATES: A New Network for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

SHINE 2024 Workshop; Poster No. 007 *2024*
"GATES: A New Network for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

SPIE: Astronomical Telescopes and Instrumentation; Poster No. 13096 *2024*
"GATES: A Network for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

55th SPD Meeting (joint with TESS); Poster No. 415-03A *2024*
"A New Network for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

Solarnet: Sun, Science, and Society; Talk *2023*
"A New Instrument for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

SHINE 2023 Workshop; Poster No. 002 *2023*
"Building a Synoptic Telescope for Space Weather Observations"
F. Konow, GATES Collaboration

Solarnet: The Many Scales of the Magnetic Sun; Poster *2023*
"A New Instrument for Synoptic Space Weather Observations"
F. Konow, GATES Collaboration

2022 Fall AGU Meeting; Poster No. SH52E-1508 *2022*
"Looking for Acoustic Precursor Signals of Solar Eruptive Events with a new Helium D3 Instrument"
F. Konow, N. Murphy, W. E. Rodgers, S. M. Jefferies

SHINE 2022 Workshop; Poster No. 053 *2022*
"Looking for Acoustic Precursor Signals of Solar Eruptive Events with a new Helium D3 Instrument"
F. Konow, N. Murphy, W. E. Rodgers, S. M. Jefferies

CUWiP 2020 New England Meeting; Poster *2020*
"Constructing a Survey of the Local Interstellar Medium (LISM) Using Hubble Spectra"
F. Konow, S. Redfield, J. Linsky

235th AAS Meeting; Poster No. 368.07 *2020*
"Constructing a Survey of the LISM Using Hubble Spectra"
F. Konow, S. Redfield, J. Linsky

INVITED TALKS AND COLLOQUIA

European Solar Physics Online Seminars Speaker *04/25*
"GATES: A Network for Synoptic Space Weather Observations"
High Altitude Observatory Colloquium Speaker *11/24*
"GATES: A Network for Synoptic Space Weather Observations"
AASS PhD Journal Club Speaker *02/25*
"Building a Ground-Based Network of Telescopes for Space Weather Observation"

TEACHING EXPERIENCE

Georgia State University:
Course Instructor, ASTR 1010: Astronomy of the Solar System *08/23 - 12/23*
Graduate Teaching Assistant, ASTR 1010 Lab *09/20 - 06/24*
Graduate Teaching Assistant, ASTR 1020 Lab *09/20 - 06/21*

Wesleyan University:
Teaching Apprentice, PHYS 111 & 112: Introductory Physics *09/18 - 05/20*
Teaching Apprentice, ASTR 211: Observational Astronomy *01/20 - 05/20*
Course Assistant, PHYS 324: Electricity & Magnetism *01/20 - 05/20*
Peer Tutor, PHYS 111 & 112: Introductory Physics *09/17 - 05/19*

Peer Tutor, ASTR 155: Introductory Astrophysics *09/18 - 05/20*
Peer Tutor, MATH 221: Vectors & Matrices *09/17 - 05/19*

COURSES DEVELOPED AND TAUGHT

ASTR1010: Astronomy of the Solar System
Online undergraduate astronomy course, GSU

OUTREACH AND ADDITIONAL EXPERIENCES

Peer Mentor, **AstroPAL**, Georgia State University *08/22 - Present*
Social Media Manager, **Astronomy on Tap: Atlanta** *08/24 - 07/25*
Executive Secretary, **NASA HSR24**, NASA *10/24*
Student Representative, **SHINE** *01/23 - 08/24*
Graduate Head, **GOT Space**, Georgia Space Grant Consortium *07/21 - 07/25*
Presenter & Module Developer, **Atlanta Science Festival** *02-03/21*
Presenter, **Space Night**, Wesleyan University *09/18 - 03/20*
Assistant Director, **Camp Invention**, Chicago, IL *Summer '15-'20*

AWARDS AND HONORS

Member, **Phi Beta Kappa**, Connecticut Gamma Chapter *inducted 05/20*
Recipient, **Littell Astronomy Prize**, Wesleyan University *05/20*
Recipient, **Outstanding TA award**, Wesleyan University Physics Department *05/20*
Fellow, **CT Space Grant Undergraduate Research** *09/19 - 05/20*

SKILLS

Computer: Python, IDL, C, Mathematica, Julia, MATLAB, LaTeX, AstroImageJ, DS9, IRAF, MacOS, Windows, Certified Mastering Online Teaching: GTA Course Facilitation
Technical: Optics alignment; SLM manipulation and usage; proficient in usage of electrical breadboards; beginning soldering experience;
Telescopes Observations:24" Perkin telescope, 20" refracting telescope, and 16" Meade Schmidt-Cassegrain telescope, 8 cm Solar magneto-optical filter telescope
World Languages: Japanese (fluent)

PROFESSIONAL AFFILIATIONS

The International Society for Optics and Photonics (SPIE) *12/23 - Present*
American Geophysical Union (AGU) *01/22 - Present*
Waves in the Lower Solar Atmosphere (WaLSA) *09/21- Present*
Georgia Space Grant Consortium (GSGC) *07/21 - Present*
American Physical Society (APS) *09/19- Present*
American Astronomical Society (AAS) *09/19- Present*
Astronomy on Tap (AoT) *08/24 - 07/25*