

CAITLIN NOLBY

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EDUCATION

- 2020 *(expected)* **Ph.D. in Teaching and Learning**, University of North Dakota (UND)
- 2012 **M.S. in Space Studies**, University of North Dakota (UND)
- 2010 **B.S. in Astrophysics**, University of Minnesota (U of M – TC)

PROFESSIONAL EXPERIENCE

- 2020 – Present **Director**, ND Space Grant Consortium (NDSGC) and ND NASA EPSCoR, UND
- 2015 – 2020 **Deputy Director**, ND Space Grant Consortium (NDSGC) and ND NASA EPSCoR, UND
- 2019 – Present **Social Media and Website Coordinator**, National Space Grant Foundation (NSGF)
- 2013 – 2015 **Coordinator**, NDSGC and ND NASA EPSCoR, UND
- 2012 **NASA Intern**, Meteoroid Environment Office, NASA Marshall Space Flight Center
- 2011 – 2012 **Graduate Research Assistant**, Department of Space Studies, UND
- 2010, 2011 **NDSGC Research Fellowship Recipient**, Department of Space Studies, UND
- 2009 – 2010 **Teaching Assistant**, Astronomy Department, University of Minnesota – Twin Cities

RESEARCH

- 2018 – Present The Impact of Gender on Faculty Experience in STEM Fields
- 2019 A New Vision for the Department of Space Studies Assessment Strategy
- 2016 – 2019 Development of Digital Thermosonde Instrument for Quantification of Relative Cn2 Estimation Error between NWP Analysis and Thermosonde Measurements
- 2018 Effects of an LGBTQ+ Inclusive Positive Sexuality Course
- 2017 Impact of Hands-on Professional Development Workshop in North Dakota on Secondary Teacher Confidence in Space Sciences

PROFESSIONAL AFFILIATIONS

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| Greater Grand Forks Young Professionals (GGFYP) | 2018 – Present |
| American Association of University Women (AAUW) | 2015 – Present |
| NASA's Museum Alliance | 2015 – Present |
| American Institute of Aeronautics and Astronautics (AIAA) | 2014 – Present |

SELECTED LEADERSHIP

NASA EPSCoR Nominating Committee	2020 – Present
“ <i>Inspiragage</i> ” Committee, GLEE (Great Lunar Expedition for Everyone)	2019 – Present
Mentor, UND LGBTQ+ Mentorship Program	2018 – Present
Chair, Department of Space Studies Assessment Committee	2017 – Present
Organizing Committee, Aerospace Community Day	2017 – Present
Host Consortium, National Council of Space Grant Directors’ Meeting	2017
Coordination Team Lead, Nationwide Eclipse Ballooning Project	2015 – 2016

PUBLICATIONS

Nolby, C., Saad, M., & Bartholomay, A. (2017). Impact of Hands-on Professional Development Workshop in North Dakota on Secondary Teacher Confidence in Space Sciences. *68th International Astronautical Congress*.

Saad, M., Fevig, R., Nolby, C., & Seelan, S. (2014). Promoting STEM Education with High Altitude Balloons. *65th International Astronautical Congress*.

Nolby, C., & Hardersen, P. (2013). The High School Physics Curriculum and the University of North Dakota Observatory. *Communicating Science: A National Conference on Science Education and Public Outreach – Astronomical Society of the Pacific Conference Series, 473, 373 – 376*.

SELECTED WORKSHOPS & PRESENTATIONS

NASA in the Classroom Series, NDSGC In-service & Pre-service Educator Workshops	2014 – Present
Engaging Communications; National Council of Space Grant Directors’ Spring Meeting	2020
Working with Students with Disabilities; Western Regional Space Grant Meeting	2019
Making STEM Accessible; National Council of Space Grant Directors’ Spring Meeting	2019
Getting a Feel for Space: Resources for the Blind / Visually Impaired, SEEC	2019
Undergraduate Student Instrument Project (USIP) Leadership Training	2016 – 2019

SELECTED SERVICE

Judge, Colorado Space Grant Consortium, Student Symposium	2020
External Reviewer, Montana NASA EPSCoR Research Awards Program (RAP)	2019 – Present
Space Grant Communications Subcommittee	2019 – Present
UND Atmospherium Committee	2018 – Present
Space Grant 30 th Anniversary Committee	2018 – Present
External Reviewer, Louisiana NASA EPSCoR Research Awards Program (RAP)	2016 – Present
Department of Space Studies Assessment Committee	2016 – Present
ND State Science & Engineering Fair (NDSSEF) Program & Activities Committee	2016 – 2017
UND STEM Initiative Work Group	2015 – 2017

QUALIFICATIONS

Civil Air Patrol Aerospace Educator	2016 – Present
SciGirls® Trainer	2015 – Present
Astronomy Society of the Pacific - Galileo Educator Fellow	2013 – Present