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Education

- Binghamton University Physics B.S. *cum laude*, 1996
- Indiana University Astronomy, Physics minor M.A., 1999
- Indiana University Astronomy Ph.D., 2003
 - Thesis: *Quasar Detection via Variability in a High Galactic Latitude Drift Scan Survey*
 - Advisor: Professor Stuart L. Mufson, Indiana University

Academic Positions

- Assistant Professor of Physics and Astronomy, Purdue University Calumet, Department of Chemistry and Physics, 2005 – present
- Visiting Instructor, University of Illinois, Department of Astronomy, 2005
- Postdoctoral Research Associate, University of Illinois, Department of Astronomy and National Center for Supercomputing Applications (joint appt.), 2003 – 2005
- Research Associate, Indiana University, Department of Astronomy, 1999 – 2001
- Instructor, Indiana University, School of Continuing Studies, 1998 – 2003
- Instructor, Indiana University, Department of Astronomy, 1997 – 2003
- Associate Instructor, Indiana University, Department of Astronomy, 1996 – 2002

Other Positions

- Purdue University Calumet Affiliate Director, Indiana Space Grant Consortium, 2006 – present
- Physics Coordinator, Purdue University Calumet Science Olympiad Steering Committee, 2006 – present

Teaching Awards

- Teaching Excellence Recognition Award, Indiana University, 2000

Other Grants and Awards

- INSGC Discovery Program Grant (co-PI), 2008 – 2009
- Purdue Research Foundation Summer Faculty Research Grant, 2008
- Purdue University Calumet Summer Faculty Grant, 2007
- American Astronomical Society Small Research Grant, 2004
- Travel Grant, Indiana University College of Arts and Sciences, 2001
- J. & F. Morgan Swain Fellowship, Indiana University, 2000
- Departmental Fellowship, Indiana University Astronomy Department, 1996 – 1998
- Golden Key National Honor Society, inducted 1996

- Sigma Pi Sigma National Physics Honors Society, inducted 1996

Other Education Experience

- NASA 50th Anniversary Essay Competition, Judge, 2008
- Science Olympiad State Judge, 2007
- Summer Youth Astronomy Camp, Organizer/Lecturer, 2006 – present
- Science Olympiad Regional Judge, 2006 – present
- University of Illinois Undergraduate/Graduate Student Mentoring, 2003 – 2005
- Science Olympiad Volunteer, 1999 – 2003
- Town of Bloomington, Department of Parks & Rec. Viewing Session Host/Speaker, 1999 – 2000
- Indiana Astronomical Society, Guest Speaker, 1999
- Kirkwood Observatory Host and Tour Guide, 1996 – 2003
- Indiana University Physics and Astronomy Open House Volunteer, 1996 – 2003

Professional Development

- “*Advanced Strategies for Creating a Learner-Centered Introductory College Astronomy Course,*” NASA-JPL Center for Astronomy Education Tier-II (Advanced) Teaching Excellence Workshop, Washington State Convention and Trade Center, Seattle, WA, 5-6 Jan 2007, 16 contact hours.
- “*Improving the Introductory Astronomy Survey Course for Non-Science Majors Through Active Learning,*” NASA-JPL Center for Astronomy Education Workshop, Harold Washington College, Chicago, IL, 28-29 Jan 2005, 15 contact hours.

Research Interests

- Quasar variability as detection method and diagnostic tool.
- Time-variable phenomena and time series analysis techniques.
- Software development for automated reduction, analysis, and visualization of massive data sets.

Refereed Publications

- **Rengstorf, A. W.**, Brunner, R. C., & Wilhite, B. C. 2006, “*A Synoptic, Multiwavelength Analysis of a Large Quasar Sample,*” AJ, 131, 1923.
- **Rengstorf, A.W.**, Mufson, S.L., Andrews, P., Honeycutt, R.K., Vivas, A.K., Abad, C., Adams, B., Baily, C., Baltay, C., Bongiovanni, A., Briceno, C., Bruzual, G., Coppi, P., Della Prugna, F., Emmet, W., Ferrin, I., Fuenmayor, F., Gebhard, M., Hernandez, J., Magris, G., Musser, J., Naranjo, O., Oemler, A., Rosenzweig, P., Sabbey, C.N., Sanchez, Ge., Sanchez, Gu., Schenner, H., Sinnott, J., Snyder, J.A., Sofia, S., Stock, J., & van Altena, W., 2004, “*QUESTI Variability Survey II: Variability Determination Criteria and 200k Light Curve Catalog,*” ApJ, 617, 184.
- **Rengstorf, A.W.**, Mufson, S.L., Abad, C., Adams, B., Andrews, P., Baily, C., Baltay, C., Bongiovanni, A., Briceno, C., Bruzual, G., Coppi, P., Della Prugna, F., Emmet, W., Ferrin, I., Fuenmayor, F., Gebhard, M., Hernandez, J., Honeycutt, R.K., Magris, G., Musser, J., Naranjo, O., Oemler, A., Rosenzweig, P., Sabbey, C.N., Sanchez, Ge., Sanchez, Gu., Schenner, H., Sinnott, J., Snyder, J.A., Sofia, S., Stock, J., van Altena, W., & Vivas, A.K., 2004, “*New Quasars Detected via Variability in the QUESTI Survey,*” ApJ, 606, 741.

- **Rengstorf, A.W.**, 2004, “*Quasar Discovery via Variability in a High Galactic Latitude Drift Scan Survey*,” PASP, 116, 103.
- Hillwig, T.C., Gale, A.A., Honeycutt, R.K., & **Rengstorf, A.W.**, 2002, “*The Classification and Orbital Period of WD2154+408: A New Short Period Post Common Envelope Binary*,” PASP, 114, 756.
- Baltay, C., Snyder, J.A., Andrews, P., Emmet, W., Schaefer, B., Sinnott, J., Bailyn, C., Coppi, P., Oemler, A., Sabbey, C.N., Sofia, S., van Altena, W., Vivas, A.K., Abad, C., Bongiovanni, A., Briceno, C., Bruzual, G., Della Prugna, F., Magris, G., Sanchez, Ge., Sanchez, Gu., Schenner, H., Stock, J., Adams, B., Gebhard, M., Honeycutt, R.K., Musser, J., **Rengstorf, A.**, et al., 2002, “*A Large Area CCD Camera for the Schmidt Telescope at the Venezuelan National Astronomical Observatory*,” PASP, 114, 780.
- Vivas, A. K., Zinn, R., Andrews, P., Bailyn, C., Baltay, C., Coppi, P., Ellman, N., Girard, T., Rabinowitz, D., Schaefer, B., Shin, J., Snyder, J., Sofia, S., van Altena, W., Abad, C., Bongiovanni, A., Briceno, C., Bruzual, G., Della Prugna, F., Herrera, D., Magris, G., Mateu, J., Pacheco, R., Sanchez, Ge., Sanchez, Gu., Schenner, H., Stock, J., Vicente, B., Vieira, K., Ferrin, I., Hernandez, J., Gebhard, M., Honeycutt, R., Mufson, S., Musser, J. & **Rengstorf, A.**, 2001, “*The QUEST RR Lyrae Survey: Confirmation of the Clump at 50 Kiloparsecs and Other Overdensities in the Outer Halo*,” ApJL, 554, 33.
- Sabbey, C., Oemler, G., Coppi, P., Baltay, C., Bongiovanni, A., Bruzual, G., Garcia, C., Musser, J., **Rengstorf, A.W.** & Snyder, J., 2001, “*The Low-Redshift Quasar-Quasar Correlation Function from an Extragalactic H α Emission-Line Survey to $z=0.4$* ,” ApJ, 548, 585.
- Ferrin, I., Rabinowitz, D., Schaefer, B., Snyder, J., Ellman, N., Vincente, B., **Rengstorf, A.**, et al., 2001, “*Discovery of a Bright Trans-Neptunian Object 2000 EB₁₇₃*,” ApJL, 548, 243.
- Schaefer, B., Snyder, J., Hernandez, J., Roscherr, B., Deng, M., Ellman, N., Bailyn, C., **Rengstorf, A.**, et al., 1999, “*Discovery of the Optical Transient of GRB990308*,” ApJL, 524, 103.

Conference Presentations

- Myers, J., Cornwell, R. C., Brownell, C., & **Rengstorf, A. W.**, “*Reaching for the Stars*,” panel presentation at 16th Annual National Conference of United Steelworkers’ Institute for Career Development, Nashville, TN, 26 – 28 June 2007.
- Myers, J., Cornwell, R. C., Brownell, C., & **Rengstorf, A. W.**, “*Eyes to the Sky: The Thomas M. Conway Observatory – Past, Present and Future*,” workshop presentation at National Conference of the Association of Joint Labor/Management Educational Programs, New York, NY, 29-31 October 2006.
- **Rengstorf, A.W.**, “*Variable Quasars in the Palomar-QUEST Survey*,” oral presentation at SC2004, Pittsburgh, PA, 6-12 November 2004.
- **Rengstorf, A.W.** & the QUEST Collaboration, “*Quasar Detection via Variability*,” oral presentation at the 203rd Meeting of the American Astronomical Society, Atlanta, GA, 4-8 January 2004. Abstract in BAAS, 35, 1245.

- **Rengstorf, A.W.** & the QUEST collaboration, “*Quasar Detection with the QUEST Variability Survey*,” presented at the 199th Meeting of the American Astronomical Society, Washington, D.C., 6-10 January 2002. Abstract in BAAS, 33, 1515.

Invited Talks

- “*The Death of Pluto*,” 2007, Calumet Astronomical Society, Hammond IN
- “*Quasar Variability*,” 2006, Calumet Astronomical Society, Hammond, IN
- “*Quasar Detection and Study via Variability*,” 2005, Purdue University Calumet, Department of Chemistry & Physics
- “*Ongoing and Future Synoptic Sky Surveys*,” 2003, University of Illinois, Department of Astronomy

Professional Affiliations

- Astronomical Society of the Pacific, 2003 – present
- American Astronomical Society, 2000 – present

References

- available upon request