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 1 University Station C1400 *Phone:* (512) 466-5985  
 Austin, TX 78712-0259 USA *Web:* www.as.utexas.edu/~iur
- RESEARCH INTERESTS** Stellar nucleosynthesis, Galactic chemical evolution, high resolution stellar spectroscopy
- EDUCATION** **University of Texas**, Austin, Texas: *08/2005—present*  
 Ph. D. candidate (anticipated 2010), Department of Astronomy  
 M. A., Astronomy, May 2007
- Indiana University**, Bloomington, Indiana: *08/2001—05/2005*  
 B. S., Astronomy, May 2005 (*with departmental honors*), B. S., Physics, May 2005
- REFEREED PUBLICATIONS** **Roederer, I. U.** *Chemical Inhomogeneities in the Milky Way Stellar Halo*, 2008, AJ, submitted
- Roederer, I. U.**, Frebel, A., Shetrone, M. D., Allende Prieto, C., Rhee, J., Gallino, R., Bisterzo, S., Sneden, C., Beers, T. C., & Cowan, J. J. *The Hobby-Eberly Telescope Chemical Abundances of Stars in the Halo (CASH) Project. I. The Lithium, r-, and s-Enhanced Metal-Poor Giant HKII 17435-00532*, 2008, ApJ, 679, 1549
- Roederer, I. U.**, Lawler, J. E., Sneden, C., Cowan, J. J., Sobeck, J. S., & Pilachowski, C. A. *Europium, Samarium, and Neodymium Isotopic Fractions in Metal-Poor Stars*, 2008, ApJ, 675, 723 [This article was also featured in the “Research Highlights” section of Nature, 20 March 2008, 452, 256.]
- Mighell, K. J. & **Roederer, I. U.** *Flickering Red Giants in the Ursa Minor Dwarf Spheroidal Galaxy: Detection of Low-Amplitude Variability in Faint Red Giant Branch Stars on 10 Minute Timescales*, 2004, ApJ, 617, L41
- CONFERENCE PROCEEDINGS** **Roederer, I. U.** 2008, “IAU 255: Low Metallicity Star Formation,” submitted.
- Roederer, I. U.**, et al. 2008, “The New Horizons in Astronomy Frank N. Bash Symposium 2007,” 393, 263
- Roederer, I. U.**, et al. 2008, “The IXth Torino Workshop on Evolution and Nucleosynthesis in AGB Stars,” 1001, 169
- Roederer, I. U.**, et al. 2008, “First Stars III Symposium,” 990, 172
- Roederer, I. U.**, et al. 2008, ESO Astrophysics Symposium “Precision Spectroscopy in Astrophysics,” Princeton Series in Astrophysics, 55
- POSTER PRESENTATIONS** **Roederer, I. U.**, et al. 2007, BAAS, 211, 13104
- Roederer, I. U.**, et al. 2006, BAAS, 209, 16802
- Roederer, I. U.**, & Mighell, K. J. 2004, BAAS, 205, 5418
- Roederer, I. U.**, et al. 2003, BAAS, 203, 1408

HONORS &  
AWARDS

NSF Graduate Research Fellowship—Honorable Mention: *2005, 2006, 2007*

Herman B. Wells Scholarship, *the most prestigious merit-based scholarship offered at the undergraduate level at Indiana University: 2001—2005*

IU STARS (Science, Technology, and Research Scholars) Program, Indiana University: *2002—2005*

Hollis and Grete Johnson Award for Excellence in Student Research, Department of Astronomy, Indiana University: *04/21/2005*

*Sigma Xi* award for best oral presentation, IU STARS Research Symposium: *04/09/2005*

*Society of Physics Students (SPS)* award for best oral presentation, *SPS Zone 9 Meeting: 04/02/2005*

GRANTS

International Astronomical Union travel grants: \$900, *07/2008* (IAU meeting 258); \$1100, *02/2008* (IAU meeting 255)

Professional Development Awards, University of Texas: \$650, *10/2007*; \$600, *12/2006*

*Sigma Xi* Grant-in-Aid of Research Award: \$4875, *04/2006*

Undergraduate Research and Creative Activity Partnership Grant, Indiana University: \$3000, *2003—2005*

SERVICE

**Graduate Student Representative**, Department of Astronomy, University of Texas *05/2007—05/2008*: Served as the elected graduate student liaison on department committees (e.g., graduate admissions, graduate studies, faculty search, office space, and Cox Excellence Fund committees) and as a representative on the Graduate Student Assembly

PROFESSIONAL  
EXPERIENCE

**Gheens Science Hall and Rauch Planetarium**, Louisville, Kentucky *05/2002—08/2002, 05/2003—06/2003, and 06/2005—07/2005*: Summer Intern. Duties included operating planetarium shows, interacting with the public, and creating educational materials to accompany planetarium shows for students in grades 6–12

REFERENCES

Dr. Chris Sneden, Professor of Astronomy, University of Texas at Austin  
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Dr. John J. Cowan, David Ross Boyd Professor, University of Oklahoma  
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Dr. Constantine P. Deliyannis, Associate Professor of Astronomy, Indiana University  
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