

# Jeremy Jones

---

## Current Position

2017-present **Data Scientist**, *GSU's Center for High Angular Resolution Astronomy*, Atlanta, GA.

## Previous Position

2016-2017 **Postdoctoral Researcher**, *Georgia State University*, Atlanta, GA.

## Education

Aug 2016 **Ph.D. (Astronomy)**, *Georgia State University*, Atlanta, GA.

Apr 2015 **M.S. (Physics)**, *Georgia State University*, Atlanta, GA.

May 2009 **B.S. (Physics)**, *Georgia Institute of Technology*, Atlanta, GA.

## Research Interests

- Stellar Evolution
- Exoplanetary Science
- Interferometry
- Stellar Rotation
- Fundamental Properties of Stars
- Intermediate Mass Stars
- Young Stars

## Honors and Awards

2012-2016 GSU 2nd Century Initiative Fellow

## Memberships

American Astronomical Society, Planetary Society

## Github Repository

<https://github.com/jeremyjonesbatiste/>

## Teaching Experience

2010-2015 **Guest Lecturer**, *GSU Dept. of Physics & Astronomy*, Atlanta, GA.  
(occasional) Guest lectured ASTR 1010/1020 classes for out of town professors.

2009-2013 **Graduate Teaching Assistant**, *GSU Dept. of Physics & Astronomy*, Atlanta, GA.  
ASTR 1010/1020 Lab: Administered labs to Introductory Astronomy students.

2012 **Guest Lecturer**, *GSU Dept. of Physics & Astronomy*, Atlanta, GA.  
Gave an introductory lecture on interferometry to graduate-level "Astronomical Techniques and Instrumentation" course.

25 Park Place, Suite 625 – Atlanta, GA 30303-2911

☎ 404-413-6024 • ✉ [jones@astro.gsu.edu](mailto:jones@astro.gsu.edu)

🌐 [www.astro.gsu.edu/~jones](http://www.astro.gsu.edu/~jones)

Department of Physics & Astronomy, Georgia State University

## Curriculum Development

**Lab**, ASTR 1010.

"December 21, 2012: Are we all going to die?" - A lab about the folly of astrology

**Lab**, *Developed with J. Chatelain*, ASTR 1010.

"Quiz Game" - A lab designed to help students prepare for their final exam

**Lab**, *Developed with J. Chatelain and R. Sketch*, ASTR 1020.

"Exoplanets" - A lab for characterizing exoplanets based on real data

## Departmental and Astronomical Service

Jan 2017 **Judge**, AAS Chambliss Astronomy Achievement Student Award

Oct 2016 **Local Organizing Committee Member**, Georgia Regional Astronomy Meeting, Atlanta, GA

Jan 2016 **Judge**, AAS Chambliss Astronomy Achievement Student Award

May 2015 **Local Organizing Committee Member**, IAU symposium 314: Young Stars & Planets Near the Sun, Atlanta, GA

Jan 2015 **Judge**, AAS Chambliss Astronomy Achievement Student Award

2014-2016 **Founding Member**, AstroPAL - Astronomy Peer Advising Leaders

2014-2016 **Webmaster**, GSU Astronomy Website

## Community Outreach

2017 **Volunteer**, Rabun County Total Solar Eclipse Event

2009-2016 **Volunteer**, *Biannually*, GSU's Hard Labor Creek Open House

2016 **Moderator**, Big Astronomy Debate - Planet X: Fact or Fiction?

2013-2016 **Graduate Student Organizer**, *Annually*, GSU's Hard Labor Creek Open House

2015 **Presenter**, IAU Creative Lessons in Astronomy and Space Science (CLASS)

2009-2014 **Volunteer**, *Annually*, Fernbank Museum of Natural History's Science at Hand Day

2011-2013 **Volunteer**, *Annually*, Fernbank Museum of Natural History's Astronomy Day

2012 **Volunteer**, Ask an Astronomer at the National Science Teachers Association

2011 **Volunteer**, Space Night at Memorial Middle School

2010 **Volunteer**, Georgia Science Olympiad

2010 **Volunteer**, Family Fun Day at Centennial Olympic Park

## Conferences, Colloquia, and Public Speaking

Sep 2017 **Poster**, *Ages<sup>2</sup>: Taking Stellar Ages to the Next Power*, Isola d'Elba, IT.

Mar 2017 **Colloquium**, *NASA Jet Propulsion Laboratory*, Pasadena, CA.  
The Ages of A-Stars

Mar 2017 **Invited Talk**, *CHARA Community Workshop*, Pasadena, CA.  
Ages of Stars

Jan 2017 **Dissertation Talk**, *229<sup>th</sup> American Astronomical Society Meeting*, Grapevine, TX.  
The Ages of A-Stars: Interferometric Observations of Our Brightest Neighbors  
25 Park Place, Suite 625 - Atlanta, GA 30303-2911

☎ 404-413-6024 • ✉ [jones@astro.gsu.edu](mailto:jones@astro.gsu.edu)

🌐 [www.astro.gsu.edu/~jones](http://www.astro.gsu.edu/~jones)

Department of Physics & Astronomy, Georgia State University

2/5

## Conferences, Colloquium, and Public Speaking (cont.)

- Oct 2016 **Invited Talk**, *Charlie Elliot Astronomy*, Covington, GA.  
The Ages of A-Stars
- Oct 2016 **Poster**, *Georgia Regional Astronomy Meeting*, Atlanta, GA.
- Oct 2016 **Invited Talk**, *GSU Astronomy Club*, Atlanta, GA.  
The Expanding Waistline of the Sun's Massive Neighbors
- Sep 2016 **Poster**, *STARS2016: Understanding the roles of rotation, pulsation and chemical peculiarities in the upper main sequence*, Lake District, UK.
- Mar 2016 **Contributed Talk**, *CHARA 2016 Year Twelve Review*, Nice, FR.  
The Ages of A-Stars
- Jan 2016 **Contributed Talk**, *227<sup>th</sup> American Astronomical Society Meeting*, Orlando, FL.  
The Age of Planet Host  $\kappa$  Andromedae Based on Interferometric Observations
- Oct 2015 **Contributed Talk**, *Georgia Regional Astronomy Meeting*, Milledgeville, GA.  
The Age of Kappa Andromedae
- Sep 2015 **Colloquium**, *Georgia State University*, Atlanta, GA.  
Creating an Inclusive Environment in the GSU Physics and Astronomy Department
- Jun 2015 Attended, *Inclusive Astronomy 2015*, Nashville, TN.
- May 2015 **Poster**, *IAU symposium 314: Young Stars & Planets Near the Sun*, Atlanta, GA.
- Mar 2015 **Contributed Talk**, *CHARA Array Year Eleven Science Review*, Atlanta, GA.  
The Age of the Ursa Major Moving Group
- Jan 2015 **Contributed Talk**, *225<sup>th</sup> American Astronomical Society Meeting*, Seattle, WA.  
The Age of the Ursa Major Moving Group from Interferometric Measurements of Its A-type Members
- Oct 2014 **Contributed Talk**, *Georgia Regional Astronomy Meeting*, Cartersville, GA.  
The Age of the Ursa Major Moving Group from Interferometric Measurements of Its A-type Members
- Oct 2014 **Invited Talk**, *Georgia Perimeter Astronomy Conference*, Atlanta, GA.  
The Age of the Ursa Major Moving Group
- Apr 2014 **Invited Talk**, *GSU Astronomy Club*, Atlanta, GA.  
The Expanding Waistline of the Sun's Massive Neighbors
- Mar 2014 **Contributed Talk**, *CHARA Array Year Ten Science Review*, Ann Arbor, MI.  
A-Stars in the Ursa Major Moving Group
- Oct 2013 **Invited Talk**, *Georgia Perimeter Astronomy Conference*, Atlanta, GA.  
The Expanding Waistline of the Sun's Massive Neighbors
- Mar 2013 **Contributed Talk**, *CHARA/NPOI Collaboration Meeting*, Flagstaff, AZ.  
How Old Are the A-stars?
- Jan 2013 **Poster**, *221<sup>st</sup> American Astronomical Society Meeting*, Long Beach, CA.
- Nov 2012 **Invited Talk**, *GSU Astronomy Club*, Atlanta, GA.  
The Expanding Waistline of the Sun's Massive Neighbors
- Mar 2012 **Contributed Talk**, *CHARA Array Year Eight Science Review*, Atlanta, GA.  
How Old Are the A-stars?

25 Park Place, Suite 625 – Atlanta, GA 30303-2911

☎ 404-413-6024 • ✉ [jones@astro.gsu.edu](mailto:jones@astro.gsu.edu)

🌐 [www.astro.gsu.edu/~jones](http://www.astro.gsu.edu/~jones)

Department of Physics & Astronomy, Georgia State University

3/5

## Conferences, Colloquium, and Public Speaking (cont.)

- Mar 2011 **Poster**, *Resolving the Future of Astronomy with Long-Baseline Interferometry*, Socorro, NM.
- Mar 2011 **Contributed Talk**, *CHARA Array Year Seven Science Review*, Atlanta, GA.  
Interferometric Survey to Determine A-star Ages Using CHARA (ISAAC)
- Jan 2009 **Poster**, *213<sup>th</sup> American Astronomical Society Meeting*, Long Beach, CA.

## Awards of CHARA Array Observing Time

- 2012-present **PAVO beam combiner**, *30 nights*, [PI: S. Quinn].  
Open Cluster Ages from Sizes of Giants and A-Stars

## Awards of CHARA Array Observing Time (cont.)

- 2011-present **Classic and PAVO beam combiners**, *76 nights*, [PI: T. Boyajian/K. von Braun].  
Diameters and Temperatures of Main-Sequence FG Stars
- 2010-present **Classic, CLIMB, and PAVO beam combiners**, *81 nights*, [PI: J. Jones].  
How Old Are the Nearest A-Stars?
- 2016 **PAVO and MIRC beam combiners**, *7 nights*, [PI: R. White].  
Star Spots and Radii of Solar Analogues
- 2015 **MIRC beam combiner**, *2 nights*, [PI: J. Jones].  
Rapidly Rotating A-stars in the Ursa Major Moving Group
- 2015 **Classic and CLIMB beam combiners**, *4 nights*, [PI: R. White].  
Radii of Four Benchmark Stellar Systems
- 2014 **PAVO beam combiner**, *2 nights*, [PI: E. Baines].  
The Mass and Age of the Imaged Planet Host GJ 504
- 2013 **Classic and PAVO beam combiners**, *2 nights*, [PI: J. Jones].  
Planet Host kappa Andromeda and a Search for Pole-on Rapid Rotators

## Selected Publications

- May 2016 **The Age of the Directly Imaged Planet Host Star  $\kappa$  Andromedae Determined from Interferometric Observations.**  
**Jones, J.**, White, R. J.; Quinn, S.; Ireland, M.; Boyajian, T.; Schaefer, G.; Baines, E. 2016, *ApJL*, 822, 3
- Jan 2016 **Spectroscopy, MOST Photometry, and Interferometry of MWC 314: Is it an LBV or an interacting binary?.**  
Richardson, N. D.; Moffat, A. F. J.; Maltais-Tariant, R.; Pablo, H.; Gies, D. R.; Saio, H.; St-Louis, N.; Schaefer, G.; Miroshnichenko, A. S.; Farrington, C.; Aldoretta, E. J.; Artigau, É.; Boyajian, T. S.; Gordon, K.; **Jones, J.**; Matson, R.; McAlister, H. A.; O'Brien, D.; Raghavan, D.; Ramiaramanantsoa, T.; Ridgway, S. T.; Scott, N.; Sturmman, J.; Sturmman, L.; ten Brummelaar, T.; Thomas, J. D.; Turner, N.; Vargas, N.; Zharikov, S.; Matthews, J.; Cameron, C.; Guenther, D.; Kuschnig, R.; Rowe, J.; Rucinski, S.; Sasselov, D.; Weiss, W. 2016, *MNRAS*, 455, 244

25 Park Place, Suite 625 – Atlanta, GA 30303-2911

☎ 404-413-6024 • ✉ [jones@astro.gsu.edu](mailto:jones@astro.gsu.edu)

🌐 [www.astro.gsu.edu/~jones](http://www.astro.gsu.edu/~jones)

Department of Physics & Astronomy, Georgia State University

4/5

## Publications (cont.)

- Nov 2015 **The Ages of A-Stars I: Interferometric Observations and Age Estimates for Stars in the Ursa Major Moving Group.**  
Jones, J., White, R. J.; Boyajian, T.; Schaefer, G.; Baines, E.; Ireland, M.; Patience, J.; ten Brummelaar, T.; McAlister, H.; Ridgway, S. T.; Sturmann, J.; Sturmann, L.; Turner, N.; Farrington, C.; Goldfinger, P. J. 2015, ApJ, 813,58
- Feb 2015 **Stellar diameters and temperatures - VI. High angular resolution measurements of the transiting exoplanet host stars HD 189733 and HD 209458 and implications for models of cool dwarfs.**  
Boyajian, T.; von Braun, K.; Feiden, G. A.; Huber, D.; Basu, S.; Demarque, P.; Fischer, D. A.; Schaefer, G.; Mann, A. W.; White, T. R.; Maestro, V.; Brewer, J.; Lamell, C. B.; Spada, F.; López-Morales, M.; Ireland, M.; Farrington, C.; van Belle, G. T.; Kane, S. R.; Jones, J.; ten Brummelaar, T. A.; Ciardi, D. R.; McAlister, H. A.; Ridgway, S.; Goldfinger, P. J.; Turner, N. H.; Sturmann, L. 2015, MNRAS, 447, 846
- Nov 2014 **The expanding fireball of Nova Delphini 2013.**  
Schaefer, G. H.; ten Brummelaar, T.; Gies, D. R.; Farrington, C. D.; Kloppenborg, B.; Chesneau, O.; Monnier, J. D.; Ridgway, S. T.; Scott, N.; Tallon-Bosc, I.; McAlister, H. A.; Boyajian, T.; Maestro, V.; Mourard, D.; Meilland, A.; Nardetto, N.; Stee, P.; Sturmann, J.; Vargas, N.; Baron, F.; Ireland, M.; Baines, E. K.; Che, X.; Jones, J.; Richardson, N. D.; Roettenbacher, R. M.; Sturmann, L.; Turner, N. H.; Tuthill, P.; van Belle, G.; von Braun, K.; Zavala, R. T.; Banerjee, D. P. K.; Ashok, N. M.; Joshi, V.; Becker, J.; Muirhead, P. S. 2014, Nature, 515, 234
- Mar 2014 **Stellar diameters and temperatures - V. 11 newly characterized exoplanet host stars.**  
von Braun, K.; Boyajian, T. S.; van Belle, G. T.; Kane, S. R.; Jones, J.; Farrington, C.; Schaefer, G.; Vargas, N.; Scott, N.; ten Brummelaar, T. A.; Kephart, M.; Gies, D. R.; Ciardi, D. R.; López-Morales, M.; Mazingue, C.; McAlister, H. A.; Ridgway, S.; Goldfinger, P. J.; Turner, N. H.; Sturmann, L. 2014, MNRAS, 438, 2413
- Jul 2013 **Stellar Diameters and Temperatures. III. Main-sequence A, F, G, and K Stars: Additional High-precision Measurements and Empirical Relations.**  
Boyajian, T. S.; von Braun, K.; van Belle, G.; Farrington, C.; Schaefer, G.; Jones, J.; White, R.; McAlister, H. A.; ten Brummelaar, T. A.; Ridgway, S.; Gies, D.; Sturmann, L.; Sturmann, J.; Turner, N. H.; Goldfinger, P. J.; Vargas, N. 2013, ApJ, 771, 40
- Dec 2012 **The CHARA Array Angular Diameter of HR 8799 Favors Planetary Masses for its Imaged Companions.**  
Baines, E. K.; White, R. J.; Huber, D.; Jones, J.; Boyajian, T.; McAlister, H. A.; ten Brummelaar, T. A.; Turner, N. H.; Sturmann, J.; Sturmann, L.; Goldfinger, P. J.; Farrington, C. D.; Riedel, A. R.; Ireland, M.; von Braun, K.; Ridgway, S. T. 2012, ApJ, 761, 57
- Oct 2012 **Stellar Diameters and Temperatures. II. Main-sequence K- and M-stars.**  
Boyajian, T. S.; von Braun, K.; van Belle, G.; McAlister, H. A.; ten Brummelaar, T. A.; Kane, S. R.; Muirhead, P. S.; Jones, J.; White, R.; Schaefer, G.; Ciardi, D.; Henry, T.; López-Morales, M.; Ridgway, S.; Gies, D.; Jao, W.; Rojas-Ayala, B.; Parks, J. R.; Sturmann, L.; Sturmann, J.; Turner, N. H.; Farrington, C.; Goldfinger, P. J.; Berger, D. H. 2012, ApJ, 757, 112

25 Park Place, Suite 625 – Atlanta, GA 30303-2911

☎ 404-413-6024 • ✉ jones@astro.gsu.edu

🌐 www.astro.gsu.edu/~jones

Department of Physics & Astronomy, Georgia State University

5/5