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Education

- 2001 Ph.D., Astronomy. Harvard University, Cambridge, MA
- 1998 M.S., Astronomy. Harvard University, Cambridge, MA
- 1995 B.A., Physics. Cornell University, Ithaca, NY

Academic Experience

- 2012 – Associate Professor
Astronomy Department, Yale University, New Haven, CT
- 2008 – 2012 Assistant Professor
Astronomy Department, Yale University, New Haven, CT
- 2004 – 2007 NSF Astronomy and Astrophysics Postdoctoral Fellow
Department of Astrophysics, American Museum of Natural History, New York, NY
- 2001 – 2004 Postdoctoral Researcher
Astronomy Department, California Institute of Technology, Pasadena, CA
- 1996 – 2001 Graduate Research Fellow
Astronomy Department, Harvard University, Cambridge, MA
- 1992 – 1995 Undergraduate Research Assistant
Astronomy Department, Cornell University, Ithaca, NY

Fellowships, Honors and Awards

- 2012 Honorable Mention: Andrew W. Mellon Foundation Career Enhancement Fellowship for Junior Faculty
- 2009 – 2014 NSF Faculty Early Career Development (CAREER) Award
- 2004 – 2007 NSF Astronomy and Astrophysics Postdoctoral Fellowship
- 1998 Harvard University GSAS Merit Fellowship
- 1995 – 1999 Harvard University Graduate Prize Fellowship
- 1995 – 1998 National Science Foundation Minority Graduate Fellowship
- 1994 National Science Foundation Incentive for Excellence in Scholarship Prize

Society Memberships

- American Astronomical Society (AAS)
- National Society of Hispanic Physicists (NSHP)
- Society for the Advancement of Chicanos/Latinos and Native Americans in Science (SACNAS)

Research Grants

- 2013 – 2016 Planet Formation and Stellar Feedback in Orion
NSF Astronomy & Astrophysics Research Grant (\$248,541)
- 2012 – 2014 Disentangling the Water Chemistry of the Spectacular Outflow BHR71
NASA Herschel Science Center (\$10,181)
- 2012 – 2014 Constraining the Chemistry of Water in Pre-Stellar Cores
NASA Herschel Science Center (\$5,000)
- 2011 – 2012 Multi-Scale Mosaics of Nearby Star-Forming Regions
National Radio Astronomy Observatory Student Observing Support Award (\$34,495)
- 2011 – 2013 A Herschel Study of Star Formation Feedback on Cloud Scales
NASA Herschel Science Center (\$11,891)
- 2009 – 2013 Star Formation and Dense Gas Dynamics in Molecular Clouds
NSF Faculty Early Career Development (CAREER) Award (\$750,402)
- 2006 – 2009 Gas Entrainment and Shock Physics in Giant Protostellar Outflows
Spitzer Space Telescope Guest Observer Grant (\$83,580)
- 2004 – 2007 The Impact of Young Stellar Outflows on their Surroundings
NSF Astronomy & Astrophysics Postdoctoral Fellowship (\$201,000)
- 2003 – 2006 The Impact of Infall and Outflow Motions on the Circumstellar Envelope of Young Stars
Hubble Space Telescope Archival Research Grant (\$32,000)

Professional Service

- 2013 NRAO Diversity Review Panel member
- 2012 – ALMA Proposal panel review member
- 2012 NSF CAREER proposal panel review member
- 2011 Organizing committee, Astronomy sessions of joint meeting of the National Society of Black Physicists and National Society of Hispanic Physicists
- 2011 NASA Proposal Review
- 2010 NSF postdoctoral fellowship review
- 2010 – Board of Advisors EarthSky en Español (<http://espanol.earthsky.org/>)
- 2010 – 2013 National Astronomy and Ionosphere Center (NAIC) Users and Scientific Advisory Committee
- 2010 – 2011 National Radio Astronomy Observatory (NRAO) Science Review Panel
- 2009 – 2010 National Research Council Astronomy & Astrophysics Decadal Survey, Science Frontier Panel on Planetary Systems and Star Formation
- 2009, 2012-13 James Clerk Maxwell Telescope (JCMT) Proposal Review
- 2009 Canada-France-Hawaii Telescope (CFHT) Proposal Review
- 2008 NSF Panel Review of the National Astronomy and Ionosphere Center
- 2005, 2008 NSF Astronomy and Astrophysics Research Grants Review Panel
- 2001 – Journal Referee for *The Astrophysical Journal* and *The Astronomical Journal*
- 2001 – 2004 Owens Valley Radio Observatory Time Allocation and Proposal Review Committee

Teaching at Yale

Astronomy 030: “The Search for Extraterrestrial Life”

Freshman seminar aimed at non-science majors. Course includes basic introduction to the interdisciplinary field of astrobiology. Topics include formation of stars and planets, origin of life on Earth, search for extra-solar planets, search for life in our Solar System and beyond, and search for extraterrestrial intelligence. Taught Spring 2009; Fall 2010; Fall 2011; Fall 2012.

Astronomy 360/560: “Interstellar Matter and Star Formation”

Graduate/advanced undergraduate course on the physical and chemical processes of the interstellar medium (ISM), the physics of molecular clouds and star formation. Taught Spring 2010; Spring 2012; Spring 2013; Fall 2014.

Astronomy 385/585: “Introduction to Radio Astronomy”

Graduate/advanced undergraduate course; introduction to radio astronomy, theory and techniques. Includes discussion of radiation fundamentals, antenna theory, radio interferometry, and radio-based astrophysical research. Taught Fall 2008.

SCIE 198: “Perspectives on Science and Engineering”

Served as one of two faculty discussants for one section (out of a total of five). Oversaw and helped in discussion of science lectures among a group of 15 students. Fall 2012.

Public Outreach

2009 – 2012 Yale University Peabody Museum of Natural History

- Advised (and worked with) students from EVOLUTIONS after-school program building exhibition cart on light and multi-wavelength astronomy. Exhibition cart (which is manned by EVOLUTIONS students) includes a World Wide Telescope presentation created by students and demonstrations for museum visitors.

2004 – 2008 Hayden Astrophysics and Research Program (HAERP)

American Museum of Natural History & Columbia University, New York, NY

- Instructor and research advisor for Hayden program for public high-school students
- Designed curriculum in astrophysics and computer programming for HAERP students
- Conducted hands-on activity on scientific method, for parents of HAERP students
- Conducted workshops for teachers on using hands-on activities in the classroom

2001 – 2004 Pasadena Unified School District

- Visited schools and lectured to elementary, middle, and high school students

1998 – 1999 Boston Public Schools

- Gave astronomy talks and presentations in English and Spanish to elementary and middle school students

Refereed Publications

Douglas, S. T., Agüeros, M. A., Covey, K. R., Bowsher, E. C., Bochanski, J. J., Cargile, P. A., Kraus, A., Law, N. M., Lemonias, J. J., **Arce, H. G.**, Fierroz, D. F. & Kundert, A. 2014, *The Factory and the Beehive II. Rotation and Activity in Praesepe and the Hyades*, ApJ, submitted

Lee, K., Fernández-López, M., Storm, S., Looney, L. W., Mundy, L. G., Segura-Cox, D. M., Teuben, P., Rosolowsky, R., **Arce, H. G.**, Ostriker, E. C., Shirley, Y. L., Kwon, W., Kauffmann, J., Tobin, J. J., Plunkett, A. L., et al. 2014, *CARMA Large Area Star Formation Survey: Structure and Kinematics of Dense Gas in Serpens Main*, ApJ, submitted

- Storm, S., Mundy, L. G., Fernández-López, M., Lee, K., Looney, L. W., Teuben, P., Rosolowsky, E. W., **Arce, H. G.**, Ostriker, E. C., Segura-Cox, D. M., Pound, M. W., Salter, D. M., Volgenau, N. H., Shirley, Y. L., Chen, C.-Y., Gong, H., Plunkett, A. L., et al., 2014, *CARMA Large Area Star Formation Survey: structure and kinematics of dense gas in Barnard 1*, ApJ, in press
- Dunham, M. M., Vorobyov, E. I., & **Arce, H. G.** 2014, *On the Reliability of Protostellar Disc Mass Measurements and the Existence of Fragmenting Discs*, MNRAS, in press
- Foster, J. B., **Arce, H. G.**, Kassis, M., Sanhueza, P., Jackson, J. M., Finn, S. C., Offner, S., et al. 2014 *Distributed Low-Mass Star Formation in the IRDC G34.43+00.24*, ApJ, 791, 108
- Fernández-Lopez, M., **Arce, H. G.**, Looney, L., Mundy, L. G., Storm, S., Teuben, P. J., Lee, K., Segura-Cox, D.; Isella, A., Tobin, J. J., Rosolowsky, E., Plunkett, P., et al. 2014, *CARMA Large Area Star Formation Survey: Observational Analysis of Filaments in Serpens South Molecular Cloud*, ApJ, 790, 19
- Zapata, L. A., **Arce, H. G.**, Brassfield, E., Palau, A., Patel, N. & Pineda, J. E. 2014 *A spider-like outflow in Barnard 5 - IRS 1: The transition from a collimated jet to a wide-angle outflow?*, MNRAS, 441, 3696
- Frank, A., Ray, T. P., Cabrit, S., Hartigan, P., **Arce, H. G.**, Bacciotti, F., Bally, J., Benisty, M., Eisloffel, J., Güdel, M., Lebedev, S., Nisini, B. & Raga, A. *Jets and Outflows From Star to Cloud: Observations Confront Theory*, Protostars and Planets VI, in press
- Krumholz, M. R., Bate, M. R., **Arce, H. G.**, Dale, J. E., Gutermuth, R., Klein, R. I., Li, Z.-Y., Nakamura, F., & Zhang, Q. *Star Cluster Formation and Feedback*, Protostars and Planets VI, in press
- Offner, S. S. R. & **Arce, H. G.** 2014 *Investigations of Protostellar Outflow Launching and Gas Entrainment: Hydrodynamic Simulations and Molecular Emission*, ApJ, 784, 61
- Dunham, M. M., **Arce, H. G.**, Mardones, D., Lee, J.-E. Matthews, B. C., Stutz, A. M., Williams, J. P. 2014, *Molecular Outflows Driven by Low-Mass Protostars. I. Correcting for Underestimates When Measuring Outflow Masses and Dynamical Properties*, ApJ, 783, 29
- Arce, H. G.**, Mardones, D., Corder, S. A., Garay, G., Noriega-Crespo, A., Raga, A., Cabrit, S. 2013 *ALMA Observations of the HH 46/47 Molecular Outflow*, ApJ, 774, 39
- Plunkett, A., **Arce, H. G.**, Corder, S., Mardones, D., Sargent, A., Schnee, S. 2013, *CARMA Observations of Protostellar Outflows in NGC 1333*, ApJ, 774, 22
- Chen, X., **Arce, H. G.**, Zhang, Q., Bourke, T., L., Launhardt, R., Jørgensen, J. K., Lee, C.-F., Foster, J. Dunham, M. M., Pineda, J. E., & Henning, T. 2013, *SMA Observations of Class 0 Protostars: A High-Angular Resolution Survey of Protostellar Binary Systems*, ApJ, 768, 110
- Dunham, M., **Arce, H. G.**, Allen, L. E., Evans, N. J., et al. 2013, *The Luminosity of Protostars in the Spitzer and Gould Belt Legacy Clouds*, AJ, 145, 94
- Dickey, J. M., McClure-Griffiths, N., Gibson, S. J., Gomez, J. F., Imai, H., Jones, P., Stanimirovic, S., van Loon, J. Th., Walsh, A., Alberdi, A., Angalda, G., Uscanga, L., **Arce, H.**, et al. 2013, PASA, 30, 3
- Raga, A. C., Noriega-Crespo, A., Carey, S. J., **Arce, H. G.**, *Proper Motions of Young Stellar Outflows in the Mid-infrared with Spitzer (IRAC) I. The NGC 1333*, AJ, 145, 28
- Foster, J. B., Mandel, K. S., Pineda, J. E., Covey, K. R., **Arce, H. G.**, Goodman, A. A. 2013, *Evidence for grain growth in molecular clouds: A Bayesian examination of the extinction law in Perseus*, MNRAS, 428, 1606
- Dunham, M., **Arce, H. G.**, Bourke, T., L., Chen, X., van Kempen, T. A., & Green, J. D. 2012, *Revealing the Millimeter Environment of the New FU Orionis Candidate HBC722 with the Submillimeter Array*, ApJ, 755, 157

- Chen, X., Arce, H. G., Dunham, M. M., Zhang, Q., Bourke, T., L., Launhardt, R., Schmalz, M., & Henning, T. 2012, *SMA and Spitzer Observations of Bok Globule CB17: A Candidate First Hydrostatic Core?*, ApJ, 751, 89
- Chen, X., Arce, H. G., Dunham, M. M., & Zhang, Q. 2102, *Discovery of a Binary System in IRAM 04191+1522*, ApJ, 747, L43
- Pineda, J. E., **Arce, H. G.**, Schnee, S., Goodman, A. A., Bourke, T. L., Foster, J. B., Robitaille, T., Tanner, J., Kauffmann, J., Tafalla, M., Caselli, P., & Anglada, G. 2011, *The Enigmatic Core L1451-mm a First Hydrostatic Core or a Hidden VeLLO?*, ApJ, 743, 201
- Offner, S. S. R., Lee, E. J., Goodman, A. A., **Arce, H.** 2011, *Radiation-Hydrodynamic Simulations of Protostellar Outflows: Synthetic Observations and Data Comparison*, ApJ, 743, 91
- Arce, H. G.**, Borkin, M., Goodman, A. A., Pineda, J., & Beaumont, C. N. 2011, *A Bubbling Nearby Molecular Cloud: COMPLETE Shells in Perseus*, ApJ, 742, 105
- Dunham, M., Chen, X., Arce, H. G., Bourke, T., L., Schnee, S., Enoch, M. L. 2011, *Detection of a Bipolar Molecular Outflow Driven by a Candidate First Hydrostatic Core*, ApJ, 742, 1
- Pineda, J. E., Goodman, A. A., **Arce, H. G.**, Caselli, P., Longmore, S., & Corder, S. 2011, *EVLA Observations of the Barnard 5 Star-Forming Core: Embedded Filaments Revealed*, ApJ, 739, L2
- Arce, H. G.** 2011, *Outflows and Turbulence in Young Stellar Clusters –An Observer’s View*, Proceedings of the International Astronomical Union, Volume 6, Symposium S270, 287
- Tanner, J. & Arce, H. G. 2011, *The Dynamics of the Envelope Surrounding the Protostar HH 211-mm*, ApJ, 726, 40
- Loinard, L., Rodríguez, L. F., Gómez, L., Cantó, J., Raga, A. C., Goodman, A. A., & **Arce, H. G.** 2010, *A reassessment of the kinematics of PV Cephei based on accurate proper motion measurements*, RevMexAA, 46, 375
- Chen, X. & Arce, H. G. 2010, *R CrA SMM1A: Fragmentation in A Prestellar Core*, ApJ, 720, L169
- Chen, X., Arce, H. G., Zhang, Q., Bourke, T., L., Launhardt, R., Schmalz, M., & Henning, T. 2010, *L1448 IRS2E: A Candidate First Hydrostatic Core*, ApJ, 715, 1344
- Arce, H. G.**, Borkin, M., Goodman, A., Pineda, J., & Halle, M. 2010, *The COMPLETE Survey of Molecular Outflows in Perseus*, ApJ, 715, 1170
- Pineda, J. E., Goodman, A. A., **Arce, H. G.**, Caselli, P., Foster, J. B., Myers, P. C., & Rosolowsky, E. W. 2010, *Direct Observation of a Sharp Transition to Coherence in Dense Cores*, ApJ, 712, L116
- Arce, H. G.**, Santiago-García, J., Jørgensen, J. K., Tafalla, M., & Bachiller, M. 2008, *Complex Molecules in the L1157 Molecular Outflow*, ApJ, 681, L21
- Schnee, S., Caselli, P., Goodman, A., **Arce, H. G.**, Ballesteros-Paredes, J., & Kuchibhotla, K. 2007, *TMC-1C: An Accreting Starless Core*, ApJ, 671, 1839
- Arce, H. G.**, Shepherd, D., Gueth, F., Lee, C.-F., Bachiller, R., Rosen, A., & Beuther, H., 2007, *Molecular Outflows in Low- and High-Mass Star Forming Regions*, Protostars and Planets V, eds. B. Reipurth, D. Jewitt and K. Keil, University of Arizona Press, Tucson, p. 245
- Arce, H. G.**, & Sargent, A. I., 2006, *The Evolution of Outflow-Envelope Interactions in Low-Mass Protostars*, ApJ, 646, 1070
- Ridge, N. A., Di Francesco, J., Kirk, H., Li, D., Goodman, A. A., Alves, J., **Arce, H. G.**, et al. 2006, *The COMPLETE Survey of Star Forming Regions: Phase I Data*, AJ, 131, 2921

- Jha, S., Kirshner, R. P., Challis, P., Garnavich, P. M., Matheson, T., Soderberg, A. M., Graves, G. J. M.; Hicken, M., Alves, J. F., **Arce, H. G.**, et al. 2006, *UBVRI Light Curves of 44 Type Ia Supernovae*, *AJ*, 131, 527
- Arce, H. G.**, & Sargent, A. I. 2005, *Pushing the Envelope: The Impact of an Outflow at the Earliest Stages of Star Formation*, *ApJ*, 624, 232
- Arce, H. G.**, & Sargent, A. I. 2004, *Outflow-Infall Interactions in Early Star Formation and their Impact on the Mass-Assembling Process in L1228*, *ApJ*, 612, 342
- Goodman, A. A., & **Arce, H. G.** 2004, *PV Cephei: Young Star Caught Speeding?*, *ApJ*, 608, 831
- Arce, H. G.**, & Goodman A. A. 2002, *Bow Shocks, Wiggling Jets, and Wide-Angle Winds: A High-Resolution Study of the Entrainment Mechanism of the PV Cephei Molecular (CO) Outflow*, *ApJ*, 575, 928
- Arce, H. G.**, & Goodman A. A. 2002, *The Great PV Cephei Outflow: A Case Study in Outflow-Cloud Interaction*, *ApJ*, 575, 911
- Arce, H. G.**, & Goodman A. A. 2001, *The Mass-Velocity and Position-Velocity Relations in Episodic Outflows*, *ApJ*, 551, L171
- Arce, H. G.**, & Goodman A. A. 2001, *The Episodic, Precessing Giant Molecular Outflow from IRAS 04239+2436 (HH 300)*, *ApJ*, 554, 132
- Arce, H. G.**, & Goodman A. A. 1999, *An Extinction Study of the Taurus Dark Cloud Complex*, *ApJ*, 517, 264
- Arce, H. G.**, & Goodman A. A. 1999, *Measuring Galactic Extinction: A Test*, *ApJ*, 512, L135
- Arce, H. G.**, Goodman, A. A., Bastien, P., Manset, N., & Sumner M. 1998, *The Polarization Power of the Interstellar Medium in Taurus*, *ApJ*, 499, L93
- Giovanelli, R., Scodreggio, M., Solanes, J. M., Haynes, M. P., **Arce, H.**, & Sakai, S. 1995, *HI 2334+26: an extended HI cloud near Abell 2634*, *AJ*, 109, 1451

Invited Talks and Colloquia

- Protostellar Outflows and their Effect on Star Formation, from Disk to Cloud Scales*
Invited Review Talk at The Early Phase of Star Formation Conference,
Ringberg Castle, Germany June 1 – June 6, 2014
- Episodic Outflows (Evidence of Episodic Accretion from Outflows)*
Invited Talk at the 2014 Oort Workshop, Leiden, The Netherlands, May 13-15, 2014
- From clouds to protostars (and then back to the cloud): studying the early stages of star formation and stellar feedback*
Astrophysics Seminar: Rutgers University, NJ (10/13)
- Studying Star and Planet Formation with the Atacama Large Millimeter Array (ALMA)*
Invited Talk at the 2013 SACNAS National Conference, in San Antonio TX (10/13)
- Protostellar Outflows – Special Session on Outflows from Young Stars*
Invited Talk at NRAO – NAASC 2012 Workshop “Outflows, Winds and Jets: From Young Stars to Supermassive Black Holes” (3/12)
- Young Stars, Stellar Feedback and Molecular Clouds*, Colloquium: University of Toledo, OH (2/12)
- Stellar Feedback and Star Formation*, Colloquium:
- Boston University (3/11)
 - University of Maryland (3/11)

Laboratory Astrophysics in the Astro2010 Science Frontier Panel on Planetary Systems and Star Formation,
Invited Talk at 2010 NASA Laboratory Astrophysics Workshop, Gatlinburg, TN (10/10)

Outflows and Turbulence in Young Stellar Clusters –An Observer’s View, Invited Talk, IAU Symp. 270,
Barcelona, Spain (5/10)

The Birth of Stars Invited Talk at 2009 SACNAS National Conference, in Dallas TX (10/09)

A Review of Outflows: from the Middle Ages to the Present Invited Talk at Dense Cores in Dark Clouds
LXV Meeting, in Newport, RI, (10/09)

The Impact of Outflows on Star Formation and their Environment Colloquium: SUNY, Stony Brook (09/09)

The Physical and Chemical Impact of Outflows from Young Stars, Colloquium:

- University of Illinois at Urbana-Champaign (09/09)
- Wesleyan University (04/09)

Complex Molecules in Molecular Outflows Colloquium: Arcetri Observatory, Florence, Italy (05/09)

Protostellar Outflows and their Influence on the Star Formation Environment, Colloquium:

- Arecibo Observatory (10/08)
- Herzberg Institute of Astrophysics (02/08)
- University of Rochester (11/07)
- Rutgers University (09/07)
- Yale University (12/06)
- University of Michigan (10/06)
- Columbia University (9/06)

Using ALFA to Study HI and Molecular Clouds Invited Talk, Special Session 78: Galactic Astronomy
with the Arecibo L-band Feed Array, AAS Meeting 205, #78.03 (1/05)

Selected Conference Contributed Talks and Poster Presentations

Looney, L., Fernandez Lopez, M., Segura-Cox, D., **Arce, H. G.**, et al. 2014, *Analysis of the Serpens South Filamentary Cloud: CLASSy Results*, AAS Meeting 223, #244.12

Mundy, L. G., Storm, S., Fernandez Lopez, M., Lee, K., Looney, L., Teuben, P. J., Rosolowsky, E., Shirley, Y. L., **Arce, H. G.**, Plunkett, A., et al. 2014, *The Structure of Dense Gas in Perseus and Serpens: CLASSy Results*, AAS Meeting 223, #244.11

Storm, S., Mundy, L. G., Teuben, P. J., Lee, K., Looney, L., Fernandez Lopez, M., Rosolowsky, E., **Arce, H. G.**, et al. 2014, *Dendrogram Analysis of Large-Area CARMA Images in Perseus: the Dense Gas in NGC 1333, Barnard 1, and L1451*, AAS Meeting 223, #214.06

Lee, K., Mundy, L. G., Fernandez Lopez, M., Storm, S., Looney, L., Segura-Cox, D., Teuben, P. J., Rosolowsky, E., **Arce, H. G.**, et al. 2014, *Kinematics and Temperature Structures of Filaments in Serpens Main and Serpens South*, AAS Meeting 223, #214.05

Plunkett, A., **Arce, H.**, Corder, S., Dunham, M., Mardones, D. 2013, *Outflows in protostellar clusters: a multi-wavelength, multi-scale view*, Protostars and Planets VI, Heidelberg, July 15-20, 2013. Poster #1K044

Maureira, M. J., **Arce, H. G.**, Dunham, M. M., Fernandez Lopez, M. 2013, *Probing the Earliest Phases of Star Formation: Observations of Two First Core Candidate*, Protostars and Planets VI, Heidelberg, July 15-20, 2013. Poster #1B093

Araya, E., **Arce, H. G.**, Minchin, R. F., Ghosh, T., Salter, C. J., Lebrón Santos, M. E., De Vries, C.

- H. 2013, *Arecibo Spectral Line Scan of the Hot Molecular Core in W51: Results from the C-Band High Frequency Range*, AAS Meeting 222, #216.07
- Mundy, L. G., Storm, S., Pound, M. W., Salter, D. M., **Arce, H. G.**, et al. 2013, *CARMA Large Area Star-formation Survey: First Look at NGC 1333 SVS-13 Region*, AAS Meeting 221, #251.12
- Looney, L., Lee, K., Fernandez Lopez, M., **Arce, H. G.**, et al. 2013, *CARMA Large Area Star-formation Survey: First Look at Serpens Main*, AAS Meeting 221, #251.11
- Storm, S., Mundy, L. G., Teuben, P. J., **Arce, H. G.**, et al. 2013, *CARMA Large Area Star-formation Survey: First Look at Barnard 1*, AAS Meeting 221, #251.10
- Arce, H. G.**, Mardones, D., Corder, S., Dunham, M. M., Plunkett, A., & Chen, X. 2012, *Studying Stellar Feedback and Accretion in Young Stellar Objects with ALMA*, in “The First Year of ALMA Science”, Puerto Varas, Chile, December 12-15, 2012
- Arce, H. G.** 2012, *Stellar Feedback in Protostellar Clusters* (contributed talk), in Sexten Center for Astrophysics Workshop “The Formation and Early Evolution of Stellar Clusters”, Sexten, Italy, July 23-27, 2012
- Arce, H. G.** 2012, *Entrainment (and Chemistry) in Protostellar Outflows*, in NRAO Workshop “Outflows, Winds and Jets: From Young Stars to Supermassive Black Holes”, Charlottesville, March 3-6, 2012
- Plunkett, A., **Arce, H. G.**, Corder, S. A. 2012, *The Impact of Molecular Outflows in the Protostellar Cluster NGC1333*, AAS Meeting 219, #337.02
- De La Cruz, D., De Vries, C., **Arce, H. G.** 2012, *Inflow Models of Nearby Cores*, AAS Meeting 219, #444.08
- Arce, H. G.**, Santiago-García, J., Mardones, D., Jørgensen, J. K., Garay, G., Tafalla, M., Bachiller, R. 2011, *Complex Molecules in Protostellar Outflows*, IAU Symp. 280, 86
- Corder, S., & **Arce, H. G.** 2011, *Wide-field, High-resolution, Millimeter-wavelength Spectral Imaging of the Serpens Core*, AAS Meeting 218, #139.12
- Offner, S. R., Lee, E. J., Goodman, A. A., **Arce, H. G.** 2011, *Synthetic Observations of Protostellar Outflows in Radiation-Hydrodynamic Simulations*, AAS Meeting 218, #318.06
- Rivera, E. M., Lebrón, M., **Arce, H.**, Salter, C., Ghosh, T., Minchin, R. 2011, *Radio Recombination Lines Towards W51A*, AAS Meeting 217, #434.33
- Borkin, M. A., Offner, S. S. R., Lee, E. J., **Arce, H. G.**, Goodman, A. A. 2011, *Visualization and Analysis of Synthetic Observations of Embedded Protostellar Outflows*, AAS Meeting 217, #258.13
- De Vries, C. H., Terebey, S., **Arce, H. G.**, Isella, A. 2011, *Fitting Outflow Models to Millimeter Molecular Line Observations of L1228 and L1527*, AAS Meeting 217, #258.12
- Schmalzl, M., Launhardt, R., Bourke, T., Chen, X., **Arce, H.**, Henning, T. 2010, *High Resolution mm Observations of the Double Core in the Isolated Dark Cloud CB17*, AAS Meeting 215, #606.41
- Pineda, J. E., Goodman, A. A., Foster, J. B., Rosolowsky, E. W., Caselli, P., Myers, P. C., & **Arce, H.** 2009, *Dense Cores In Perseus: Physical Properties From Large Scale GBT Maps*, AAS Meeting 213, #356.05
- Borkin, M., **Arce, H.**, Goodman, A., & Halle, M. 2008, *3D Visualization and Detection of Outflows From Young Stars* in Astronomical Data Analysis Software and Systems XVII, 145
- Borkin, M. A., **Arce, H. G.**, & Goodman, A. A. 2007, *A COMPLETE Survey of Outflows in Perseus*,

AAS Meeting 211, #154.01

Shetty, R., Goodman, A. A., Schnee, S., Pineda, J., Foster, J., Borkin, M., Rosolowsky, E., Kauffmann, J., **Arce, H.**, Caselli, P. 2007, *Updated Offerings From The COMPLETE Survey Of Star-forming Regions*, AAS Meeting 211, #132.06

Arce, H. G. 2006, *Protostellar Outflows and their Influence on the Star Formation Process*, AAS Meeting 209, #30.14

Arce, H. G. 2006, *YSO Outflows and their Influence on the Star Formation Process*, in “Science with ALMA: a New Era for Astrophysics”, Madrid, Spain, Nov. 13 – 17, 2006

Goodman, A. A., Alves, J., **Arce, H.**, et al. 2005, *Offerings from the COMPLETE Survey of Star-Forming Regions, c. 2005*, AAS Meeting 207, #184.20

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