

## BIOGRAPHICAL SKETCH

### Jesse Leaman PhD

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#### PROFESSIONAL PREPARATION

|                  |   |                  |
|------------------|---|------------------|
| <b>Post Doc.</b> | <b>Computer Science, University of Nevada, Reno</b>     | <i>2015-</i>     |
| <b>Post Doc.</b> | <b>Space Science, NASA Ames Research Center, CA</b>     | <i>2008-2010</i> |
| <b>PhD</b>       | <b>Astrophysics, University of California, Berkeley</b> | <i>2004-2008</i> |
| <b>MA</b>        | <b>Astrophysics, University of California, Berkeley</b> | <i>2002-2004</i> |
| <b>BS</b>        | <b>Astronomy, University Of Maryland, College Park</b>  | <i>2000-2002</i> |

#### APPOINTMENTS

- **Councilman**

*Nevada Assistive Technology Council, Reno, NV*      *Feb 2013 -*

- **NASA Post doctoral program fellowship**

*Ames Research Ctr., Moffett Field, CA*      *2008 -2010*

- **Graduate student researcher**

*University of California, Berkeley, CA*      *2005 - 2008*

- **Graduate student instructor**

*University of California, Berkeley, CA*      *2004 - 2005*

- **Founder and chairman**

*Leamanpotential Foundation, Reno, NV*      *2003 - 2008*

- **Student Trainee (Physics)**

*NASA Goddard Space Flight Center, Greenbelt, MD*      *2000 - 2008*

#### PUBLICATIONS

H. La and J. Leaman, “iChair: Co-robot for people with severe disabilities,” in Proceedings of the International Society of Science and Applied Technologies: Modeling of complex systems and environments, Da Nang City, Vietnam, Jun 2015.

Nearby supernova rates from the Lick Observatory Supernova Search - I The methods and data base. (Leaman, Jesse; Li, Weidong; Chornock, Ryan; Filippenko, Alexei V.) *Monthly Notices of the Royal Astronomical Society*, Volume 412, Issue 3, pp. 1419-1440. April 2011.

Nearby supernova rates from the Lick Observatory Supernova Search - II. The observed luminosity functions and fractions of supernovae in a complete sample. (Li, Weidong; Leaman, Jesse; Chornock, Ryan; Filippenko, Alexei V.; et al.) *Monthly Notices of the Royal Astronomical Society*, Volume 412, Issue 3, pp. 1441-1472. April 2011.

Nearby supernova rates from the Lick Observatory Supernova Search - III. The rate-size relation, and the rates as a function of galaxy Hubble type and colour. (Li, Weidong; Chornock, Ryan; Leaman, Jesse; Filippenko, Alexei V.; et al.) *Monthly Notices of the Royal Astronomical Society*, Volume 412, Issue 3, pp. 1473-1507. April 2011.

## SYNERGISTIC ACTIVITIES

### • Honors/Awards

*Nomination to join the Nevada Assistive Technology Council, Sparks NV Feb 2013.*

*Top 25 Inventions of the year with "Gryphon Shield, Assistive Technology upgrade package for motorized wheelchairs." History Channel's InventNow Challenge, New York, NY 2007.*

### • Professional Activities

*Presenter at KICP workshop: Photometric Identification of Supernova. Title: "Supernova Rates in the local universe from the Lick Observatory Supernova Search." Chicago, IL 2012.*

*Invited to testify before the US Senate Health Education Labor & Pension (HELP) subcommittee regarding successes and shortcomings of the Americans with Disabilities Act (ADA). Washington DC 2000.*

## COLLABORATORS & OTHER AFFILIATIONS

- **Collaborators:** Hung La (University of Nevada, Reno [UNR]), George Bebis (UNR), George McKinley (UNR), Scott Youngs (UNR).
- **Post doctoral and PhD advisors:** Jeffrey Scargle (Post doc advisor, NASA Ames Research Center), Alex Filippenko (PhD advisor, University of California, Berkeley).