Jinhee Lee

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Steward Observatory, The University of Arizona, Tucson, AZ, USA
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EMPLOYMENT

Korea Astronomy and Space Science Institute (KASI)	Sep 2022-Aug 2024
Pusan National University	2021-2022
Kyung-Hee University	2019-2020

EDUCATION

The University of Georgia, Ph.D., Physics and Astronomy "A Detailed Analysis of Nearby Young Stellar Moving Groups" Supervisor: Inseok Song	2012-2019
Seoul National University, M.A., Science Education	2010
Seoul National University, B.A., Astronomy	2008

AWARDS AND FELLOWSHIPS

KASI-Arizona Fellow, Korea Astronomy and Space Science Institute & Steward Observatory	Sep 2022- Aug 2026
Supports for creative and challenging research, the National Research Foundation of Korea	Jun 2021 - May 2022
The Dissertation Completion Award, Graduate School , The University of Georgia,	2018-2019
Anderson-Pioletti Award, Department of Physics and Astronomy, The University of Georgia,	2015
Fellow, BK21 in Science Education for Next Society, National Research Foundation of Korea	2008-2009
National Science & Technology Scholarship, Korea Science and Engineering Foundation	2003-2007

EXPERIENCE

Graduate Laboratory Assistant, Physics and Astronomy, The University of Georgia	2012-2018
Research Assistant, Physics and Astronomy, The University of Georgia	2016-2017
Teaching Assistant, Seoul National University	2010
Teacher, SNU & GwanAk Science-Gifted Education center	2008-2010
Teaching Assistant, Seoul National University	2008
Observatory manager, Department of Earth Science Education, Seoul National University	2008

PEER-REVIEWED PAPERS

Jinhee Lee & Inseok Song "Kinematic age of the β-Pictoris moving group", *ApJ*, in revision

Jinhee Lee, Jae-Joon Lee, & Changwoo Kye "Atmospheric analysis of five exoplanets using IGRINS/HJST", in prep

Beomdu Lim, Jongsuk Homg, **Jinhee Lee**, et al., "The kinematics of the young stellar population in the W5 region of the Cassiopeia OB6 association: Implication for the formation process of stellar associations", *Astronomical Journal*, 166, 97 (2023)

Beomdu Lim, Yael Naze, Jongsuk Hong, et al., [including **Jinhee Lee**], "A Gaia view on the star formation in the Monoceros OB1 and R1 associations", *Astronomical Journal*, 163, 266 (2022)

Jinhee Lee, Inseok Song, & Simon J. Murphy "Low-mass members of nearby young stellar moving groups from Gaia EDR3", *Monthly Notices of the Royal Astronomical Society*, 511, 6179 (2022)

K. Ward-Duong, J. Patience, K. Follette, [et al., including **Jinhee Lee**], "Gemini Planet Imager Spectroscopy of the Dusty Substellar Companion HD 206893 B", *The Astronomical Journal Journal*, 161, 5 (2021)

Jinhee Lee, Inseok Song, & Simon J. Murphy "2MASS J15460752-6258042: a mid-M dwarf hosting a prolonged accretion disc", *Monthly Notices of the Royal Astronomical Society*, 494, 62 (2020)

Jinhee Lee & Inseok Song "Evaluation of nearby young moving groups based on unsupervised machine learning", *Monthly Notices of the Royal Astronomical Society*, 489, 2189, (2019)

Jinhee Lee & Inseok Song "Development of models for nearbaby young stellar moving groups: creation, revision, and finalization of the models", *Monthly Notices of the Royal Astronomical Society*, 486, 3434, (2019)

Jinhee Lee & Inseok Song, "Bayesian assessment of moving group membership: importance of models and prior knowledge", *Monthly Notices of the Royal Astronomical Society*, 475, 2955 (2018)

B. Macintosh, J. R. Graham, T. Barman., [et al, including **Jinhee Lee**], "Discovery and spectroscopy of the young jovian planet 51 Eri b with the Gemini Planet Imager", *Science*, 350, 64 (2015)

AWARDED TELESCOPE TIME – should be updated!

Gemini 8-m telescope / IGRINS (from 2019 to 2023)

DCT / IGRINS (2017?)

Australian National University 2.3-m Telescope / WiFeS (26 nights from Jul 2016 to Feb 2018) "WiFeS confirmation of highly probably late-type beta-Pictoris Moving Group members"

Discovery Channel Telescope / IGRINS (40 hours from Nov 2016 to Feb 2017)

"Confirmation of the lowest mass members of beta-Pic moving group"

Bohyunsan Optical Astronomy Observatory 1.8-m telescope / KASINICS (4 nights 2014B; 4 nights 2014A; 6 nights 2013B)
"Search for wide separation planetary/substellar companion in planetary systems"

CONFERENCES & TALKS

KAS-Fall 2023 - talk
KGU-Aug 2023 - poster

Jinhee Lee, "Kinematic age of the beta-Pictoris moving group". *Kongju National University Workshop*, July 19, 2023, Gongju, Korea

Jinhee Lee, "Nearby Young Moving Groups" *Origins Seminar*, Apr 24, 2023, Tucson, Arizona

Jinhee Lee, "No title" *Internal symposium of the Steward Observatory*, Apr 28, 2023, Tucson, Arizona

Jinhee Lee, "Nearby young moving groups". *2023 Stars and Milky Way Workshop*, Jan 30, 2023, Yeosu, Korea

Jinhee Lee, "Transformation between sloan and JC filter system". *Pusan National University workshop*, Dec 28, 2022, Busan, Korea

Jinhee Lee, "Study of substructures in the W5 region using clustering method". *Kongju National University Astronomy Lab Mini Workshop*, Dec 8, 2022, Kongju, Korea

Jinhee Lee, "Multi-dimensional cluster analysis of young nearby stars from Gaia EDR3", *IAUGA2022* (Poster), Aug 2022, Busan, Korea

Jinhee Lee, "Gaia EDR3: Introduction and Usage". *Kyungpook National University Department Colloquium*, May 27, 2022, Daegu, Korea

Jinhee Lee, "BESA: Bayesian estimation of stellar ages". (Oral) *KAS 2022 Spring meeting*, Busan, Korea

Jinhee Lee & Inseok Song, "Model establishment of nearby young moving groups and identification of members". (Oral) *American Astronomical Society 231st meeting.* Jan 2019; Seattle, Washington, USA

Jinhee Lee & Inseok Song, "Improved membership probability for moving groups: Bayesian and machine learning approaches". (Poster) *American Astronomical Society 231st meeting.* Jan 2018; Washington, DC, USA

Jinhee Lee & Inseok Song, "Searching for very late-type members of Hyades". (Poster) *American Astronomical Society 227th meeting.* Jan 2016; Orlando, Florida, USA

Jinhee Lee & Inseok Song, "Effect of prior information on Bayesian membership calculations for nearby young star associations". (Poster) *IAU Symposium 314: Young Stars & Planets Near the Sun.* May 2015; Atlanta, Georgia, USA

SEMINARS AND COLLOQUIA

Teacher - KongJu Univ.

Kyung-pook univ talk

SNU colloquium

Jinhee Lee, "Analysis of Young nearby moving groups: a preliminary result using machine-leaning based method". *Australian National University.* Jul 2016; Canberra, Australia

Jinhee Lee, "Analysis of Young Nearby Moving Groups: an objective way using ∼4000 spectroscopically observed stars". *Kyung-Hee University.* May 2016; Suwon, Korea

Jinhee Lee, "Introduction of exoplanets and moving group researches". *Seminar for Science Teachers.* May 2016; Seoul, Korea

PROFESSIONAL SERVICE

Local Organizing Committee
IAU Symposium 314: Young Stars and Planets Near the Sun
Atlanta, GA May 11-15, 2015

Referee JKAS

RESEARCH SKILLS

Python, mysql, postgresql, IDL, IRAF

LANGUAGES

Korean, English