

Jeong-Eun Lee
Curriculum Vitae

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POSITIONS HELD:

2022. 9. – present Professor, Seoul National University, Korea
2025. 1. – 2025. 2. GSGC Professor, Graduate School of Science, University of Tokyo
2024. 1. – 2025. 12. Vice President of the Korean Astronomical Society
2017. 3. – 2022. 8. Professor, Kyung Hee University, Korea
2017. 3. – 2019. 2. Kyung Hee Fellow, Kyung Hee University, Korea
2012. 3. – 2017. 2. Associate Professor, Kyung Hee University, Korea
2013. 8. – 2014. 7. Visiting Professor, University of Texas at Austin, Austin, Texas
2011. 3. – 2012. 2. Assistant Professor, Kyung Hee University, Korea
2008. 3. – 2011. 2. Assistant Professor, Sejong University, Korea
2007. 9. – 2008. 2. Full-Time Lecturer, Sejong University, Korea
2005. 8. – 2007. 8. Hubble Postdoctoral Fellow, University of California at Los Angeles

EDUCATION:

Ph.D, Astronomy, University of Texas at Austin, 2005
Chemical and dynamical conditions in low-mass star forming cores
Thesis Advisor: Dr. N.J. Evans II

M.S., Astronomy, Seoul National University, Korea, 1998
Infrared Excess and Molecular Gas in the Galactic Supershells
Thesis Advisor: Dr. B.-C. Koo

B.S. with Honors, Earth Science and Science Education, Seoul National University, Korea, 1995

HONORS & AWARDS:

2021 Prize for Research Excellence, Korean Astronomical Society
2017-2018 Kyung Hee Fellow for Research Excellence
2015 Commendation for Research Excellence, Minister of Education, Korea
2013 LG Yonam Foundation International Research Professor
2009 Prize for Research Excellence, Korean Astronomical Society
2005 - 2007 Hubble Postdoctoral Fellowship
2004 - 2005 University Continuing Fellowship, University of Texas at Austin
2004 Benfield Scholarship, Dept. of Astronomy, University of Texas at Austin

2002 Second Year Research Defense Award, Dept. of Astronomy, UT at Austin

2000 - 2003 Ambassadorial Scholarship of the Rotary Foundation

AREA OF SCIENTIFIC INTEREST:

Star and planet formation, Interstellar Medium

Dynamical and chemical evolution in star formation

Radiative transfer modeling of continuum and line emission

Chemical kinetic calculation

Submillimeter and infrared astronomy

High-resolution spectroscopy

PUBLICATIONS (ORCID: 0000-0003-3119-2087):

~220 published papers by December, 2025

First/Corresponding Author Papers: 23 first author papers & 37 corresponding author papers

Co-author Papers: ~160 co-author papers

COMMITTEE ACTIVITIES:

2016–present Scientific Editor, Journal of The Korean Astronomical Society

2025–2026 Convener, ISSI–BJ Workshop: *"Cross-disciplinary perspectives on small body formation and evolution"*, fall 2026, Beijing, China

2024–2025 Scientific Organizing Committee (SOC), The 11th East-Asian Meeting on Astronomy (EAMA11), December 8 to 12, 2025, OKI MESSE (Niigata Convention Center), Niigata, Japan

2025 Scientific Organizing Committee (SOC), Star Formation in Different Environments, August 11 to 15, 2025, ICISE, Quy Nhon, Vietnam

2023–2025 Member of the Board of Directors, The Korean Astronomical Society

2023–2024 Scientific Organizing Committee (SOC), Scientific Event (F3.4) at the 45th COSPAR Scientific Assembly 2024: *"Interstellar organic molecules in the age of JWST and ALMA"*

2023 JWST External Reviewer

2021–2023 Scientific Organizing Committee (SOC), 2023 Kavli-IAU Astrochemistry Symposium: *"Astrochemistry VIII - From the First Galaxies to the Formation of Habitable Worlds"*

2018–2023 Scientific Advisory Committee (SAC), Protostars & Planets VII

2021–2022 Technology Committee, National Science Challenges Support & Network (NSCN)

2019–2022 National Organizing Committee (NOC), The International Astronomical Union General Assembly (IAUGA) 2022

2021–2022 Scientific Organizing Committee (SOC), Scientific Event (F3.5) at the 44th COSPAR Scientific Assembly 2022, *"Simple and complex molecules in star-forming regions: Observations, experiments and models of solid- and gas-phase chemistry"*

2021 Scientific Organizing Committee (SOC), ST (Space Technology), BIEN (The International Conference of Women Scientists and Engineers conference on BT, IT, ET and NT) 2021
2020–2021 Member of the Board of Directors, The Korean Astronomical Society
2020–2021 Scientific Organizing Committee (SOC), 2021 EA ALMA Science Workshop
2018 Scientific Organizing Committee (SOC), Giant Magellan Telescope (GMT) Community Science Meeting 2018
2017 Scientific Organizing Committee (SOC), ST (Space Technology), BIEN (The International Conference of Women Scientists and Engineers conference on BT, IT, ET and NT) 2017
2016–2019 ALMA Review Panel
2015–present K-GMT Science and Instrument Working Group (SIWG)
2015–2016 KVN-KaVA Time Allocation Committee
2015 Scientific Organizing Committee (SOC), IGRINS 2015
2014–2015 Korean IAU steering committee
2014–2015 IAUGA 2021 Bid Committee
2014 Local Organizing Committee (LOC), The 6th East-Asia Numerical Astrophysics Meeting
2013–2014 Korean IGRINS Time Allocation Committee
2013–2014 Time Allocation Committee of McDonald Observatory
2012 GMTNIRS Science Advisory Group
2009–2011 Steering Committee, Taeduk Radio Astronomy Observatory (TRAO)
2008–2010 Steering Committee, Seoul Radio Astronomy Observatory (SRAO)

INVITED TALKS:

2025 The 11th East-Asian Meeting on Astronomy (EAMA11), Dec 8 to 12, 2025, OKI MESSE (Niigata Convention Center), Niigata, Japan
2025 Star Formation in Different Environments, Aug 11 to 15, 2025, ICISE, Quy Nhon, Vietnam
2024 The 45th COSPAR Scientific Assembly, (COSPAR-24-F3.1) *Chemical Complexity of Molecular Universe*, Busan, South Korea on July 13 - July 21, 2024
2024 ELT Science in Light of JWST, Tohoku University, Sendai, Japan on June 3 - June 7, 2024
2023 12th Pacific Rim on Stellar Astrophysics, Seoul, Korea, Oct 23-27, 2023
2023 Kavli-IAU Astrochemistry Symposium *Astrochemistry VIII - From the First Galaxies to the Formation of Habitable Worlds*, Traverse City, MI, USA, Jul 10-14, 2023
2021 Plenary Session in the 104th Korea Astronomical Society Fall Meeting, Jaeju, Korea, 13-15 October 2021
2021 The 43rd COSPAR Scientific Assembly, (COSPAR-21-B0.1) *Unifying planetary system formation out of elementary building blocks: from dust, gas and ice to our Solar System and exoplanets*, Sydney, Australia, on January 28 - February 4, 2021
2019 ALMA2019: Science Results and Cross-Facility Synergies, Cagliari, Sardinia, Italy, 14-18 October 2019

2019 Plenary Session in 2019 Spring Korea Astronomical Society of the 100th Conference, Busan, Korea, 10-12 April 2019

2018 East Asian ALMA Science Workshop 2018, Osaka, Japan, 17-19 December 2015

2017 Astrobiology 2017, Coyhaique, Chile, 26 November-1 December 2017

2017 Third Korean-American Kavli Frontiers of Science Symposium, Irvine, California, USA, 26-28 June 2017

2016 ALMA: Half a Decade of ALMA: Cosmic Dawns Transformed, Indian Wells, CA, USA, 20-23 September 2016

2015 EA ALMA Science Workshop, Osaka, Japan, 8-11 December 2015

2014 APRIM 2014: the 12th Asia-Pacific Regional IAU Meeting, Daejeon, Korea, Rep of, 19-22 August 2014

2012 ALMA-EA Science Workshop, Daejeon, Korea, Rep of, 12-13 September 2012

2011 2011 Korea Astronomical Society Spring Conference, Chungju, Korea, 7-8 April 2011

2009 Plenary Session in 2009 Korea Astronomical Society Fall Conference, Pyeongchang, Korea, 8-9 October 2009

2008 Workshop for Interstellar Matter, Interchange across various fields: Astrochemistry - Atomic & Molecular Physics - Astronomy - Planetary Science, Hokkaido University, Japan, 4-6 September 2008