## Inchan Ji


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| Education | B.S., Astronomy, **Yonsei University** 2010 |
| | M.S., Astronomy, Yonsei University 2012 |
| | Ph.D Student, Physics, UC Davis 2014 - Present |
| Research experience | Graduate Research with **Prof. Sukyoung Yi** on Galaxy Merger Simulation Using GADGET-2 (Yonsei University) 2010 - 2012 |
| | Graduate Research with **Dr. Sebastien Peirani** on Constructing an Initial Condition of GADGET-2 (**Inststitut d'Astrophysique de Paris**) 2011 |
| | Research Assistant with Prof. Sukyoung Yi on Observational Properties of Merging Galaxies Using GADGET-2 (Yonsei University) 2010 - 2014 |
| | Graduate Research with **Prof. Tony Tyson** on Improving Photometric Redshift with Replacing Galaxy Color as Type Prior by Galaxy Profile (UC Davis) 2015 - Present |
| Courses | **Lower Division:** Calculus, University Physics, Classical Mechanics, Basic Electronics Laboratory, Electronics, Modern Physics, Mathematical Physics, Introduction to Astrophysics, Computer 1 (C) & 2 (FORTRAN) |
| | **Upper Division:** Observational Techniques, Astrodynamics, Stellar Structure and Evolution, Scientific Image Data Processing, Galaxies and the Universe, Radio Astronomy, Space Flight Dynamics, Mechanical System Control, Astrophysics, Cosmology, Astronomical Optics, Spacecraft Systems |
| | **Graduate Courses:** Non-linear System Control, Space Instruments, Celestial Mechanics, Trajectory Optimization, Stellar Evolution and Populations, Galaxies Formation and Evolution, Atmospheric Dynamics, External Galaxies, Classical Mechanics, Methods of Mathematical Physics, Electrodynamics, Quantum Mechanics, Statistical Mechanics, Quantum Field Theory, Intro. to General Relativity, Data Analysis for Astrophysics, Early Universe Cosmology, and Astrostatistics. |
| Teaching experience | Astrodynamics (Fall 2010), Stellar Structure and Evolution (Spring 2011), Cosmology (Fall 2011), General Physics (2014 and 2015), Classical Dynamics (2016), and Intro. to Astronomy(2016). |
| Work experience | Assistant Firefighter (the Duty of National Defence) Sep. 2004 – Nov. 2006 |
| Employment | Research Scientist<br>Natural Science Research Institute, Yonsei University 2012 – 2014 |
| Programming and Software | Proficient: Python, C, FORTRAN, IDL, Latex, Bash Shell, Cython<br>Intermediate: Matlab, Julia<br>Familiar: IRAF, MPI |
| Workshop & Conference Talks | **Paris-Lyon-Oxford-Yonsei Workshop on Galaxy Evolution**, Paris, France |

*Galaxy merger simulations* April, 2011

The Korean Astronomical Society (KAS) Spring Meeting, Gyungju, South Korea April, 2012

*Role of star formation and resulting properties from equal mass disk merger simulations*

KAS Spring Meeting, Deacheon, South Korea April, 2013

*On the evolution of observable properties from equal-mass disk merger simulations*

**Evolutionary Paths in Galaxy Morphology**, Sydney, Australia October, 2013

*On the evolution of observable properties of 1:1 merger remnants* (click here to see the material in pdf format)

## Publications

1. Yi, S. K., Lee, J., Jung, **Ji, I.,** & Sheen, Y.-K. 2013, *Merger relics of cluster galaxies*, A&A, 554, A122.
2. **Ji, I.,** Peirani, S., Yi, S. K., 2014, *Lifetime of merger features of equal-mass disk mergers*, A&A, 566, A97.