

## Education

- 2019– Ph.D. student in The University of California San Diego (UCSD) (ongoing).
  - Major: mathematics (partial differential equations)
  - Advisor: Andrej Zlatoš
- 2013–2014 **M.Sc.**, Korea Advanced Institute of Science and Technology (KAIST)
  - Major: electrical engineering (information theory)
  - Advisor: Sae-Young Chung
- 2009–2012 **B.Sc.**, Korea Advanced Institute of Science and Technology (KAIST)
  - Major: electrical engineering
  - Major: mathematics
- 2006–2008 Korea Science Academy.

## Employment

- 2017–2018 **Researcher**, KAIST KI-ITC Augmented Reality Research Center
  - Project title: *Research on Context-of-Interest (Col) driven 4D+ Multi-Space Convergence for Realistic Hand-Augmented Object Interaction through HMD*
    - Real-time nonrigid 3D surface mesh reconstruction from RGB-D cameras
  - Project title: *Development of 3D 360 degree VR Contents Creation Technology using Multi-View Camera*
    - Color histogram matching algorithm
- 2015–2017 **Researcher**, Electronics and Telecommunications Research Institute (ETRI)
  - Project title: *Development of Smart Space to Promote the Immersive Screen Media Service*
    - IMU-vision-based attitude filtering algorithm
    - 3D surface mesh reconstruction from RGB-D cameras
  - Project title: *Development of Programmable Interactive Media Creation Service Platform Based on Open Scenario*
    - Video shot segmentation algorithm

## Awards and scholarships

- 2013 Un Chong-Kwan scholarship.
  - Annual award for the top two students entering master's degree program in the Department of Electrical Engineering at KAIST
- 2013–2014 Government-sponsored scholarship for graduate students.
- 2009–2012 National excellence scholarship (Natural Sciences and Engineering).

## Publications

- [1] Junekey Jeon, Andrej Zlatoš, *An Improved Regularity Criterion and Absence of Splash-like Singularities for  $g$ -SQG Patches*, Anal. PDE 17, 3 (2024)

- [2] Junekey Jeon, In-Jee Jeong, *On evolution of corner-like gSQG patches*, J. Math. Fluid Mech. 25, 35 (2023)
- [3] Jeong Woo Son, Junkey Jeon, Alex Lee, and Sun-Joong Kim, *Spectral clustering with brainstorming process for multi-view data*, 31st AAAI Conference on Artificial Intelligence, 2017, pp. 2548–2554.
- [4] Junekey Jeon, Hwa-Suk Kim, Woo-Sug Jung, and Sun-Joong Kim, *A Bayesian sensor fusion scheme for attitude tracking*, 2017 19th International Conference on Advanced Communication Technology (ICACT), IEEE, 2017, pp. 633–636.
- [5] Junekey Jeon, *A generalized typicality for abstract alphabets*, 2014 International Symposium on Information Theory (ISIT), IEEE, 2014, pp. 2649–2653.

---

### Non-academic awards

2014 29<sup>th</sup> KAIST Music Festival Grand Prize