

**Name** Jaeyoung Byeon

**Department** **Affiliation**

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## Education

1996 *Ph.D. in Mathematical Sciences, University of Tokyo*

1990 *MS in Mathematics, Seoul National University*

1988 *BS in Mathematics, Seoul National University*

## Positions held

2013-present *Professor, Department of Mathematical Sciences, KAIST, Korea*

1998-2012 *Assistant, Associate, Full Professor, Department of Mathematics, POSTECH, Korea*

1996-1998 *Post Doctor Fellow in Seoul National University, Post Doctor Fellow in KAIST and Research Fellow in KIAS, Korea*

## Awards & Honors

1. *JSPS fellowship through School of Mathematical Sciences, University of Tokyo (1993-1996)*
2. *The 8-th Young Scientist (presidential) Award (2004)*
3. *The 10<sup>th</sup> anniversary best alumni of KIAS (2006)*
4. *Kwon Kyungwhan Chair Professor in POSTECH (2007-20010)*
5. *KAIST Chair Professor in KAIST (2014-2017)*
6. *KAIST Top Ten Research Achievements (2014)*
7. *Scientist of the month (2016)*
8. *KAIST Top Ten Research Achievements (2017)*
9. *International Exchanges Award from The Royal Society (2018)*

## Current editorial boards

*Communications in Pure and Applied Analysis since 2011*

## Selected committee work

2018-2021 *Committee Chair of Analysis Section, Korean Mathematical Society*

2018 *Global Organizing Committee, the 12-th AIMS Conference on Dynamical Systems, Differential equations and Applications, Taiwan*

2016 *Global Organizing Committee, the 11-th AIMS Conference on Dynamical Systems, Differential equations and Applications, USA*

2017-2018 *Selection Committee for TJ Park Science Fellowship*

2014-2016, *Recommendation Committee for TJ Park Science Fellowship*

2010-2011 *Recommendation Committee for TJ Park Science Fellowship*

### **Five selected (recent) publications**

1. **J. Byeon**, P. Monttchiarri and P. Rabinowitz, A double well potential system, **Analysis and PDE**, 9(2016), 1737-1772
2. **J. Byeon**, Y. Sato, Z.-Q. Wang, Pattern formation via mixed attractive and repulsive interactions for nonlinear Schroedinger systems, **Journal de Mathematiques Pures et Appliquees**, 106(2016), 477–511
3. **J. Byeon** and P. Rabinowitz, Unbounded solutions for a periodic phase transition model, **Journal of Differential Equations**, 260 (2016), 1126–1153
4. **J. Byeon** and K. Tanaka, Semiclassical standing waves with clustering peaks for nonlinear Schroedinger equations, **Memoirs of the American Mathematical Society**, 229(2014), no. 1076,
5. **J. Byeon** and K. Tanaka, Semi-classical standing waves for nonlinear Schroedinger equations at structurally stable critical points of the potential, **Journal of the European Mathematical Society** 15(2013), 1859–1899