

**KIM Beomjun**

**Professor**  
**Department of Physics**



- **Office**     32309, Science Building 2, Sungkyunkwan University (SKKU) Natural Sciences Campus, 2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-do, Republic of Korea
- **Phone**     82-31-299-4541                      • **Website**     <http://statphys.skku.ac.kr>
- **E-mail**     beomjun@skku.edu                      • **Social Media**

**Key Words**     Statistical physics, complex systems, phase transition, critical behaviors, sociophysics, econophysics

**Research Area**     Statistical physics, complex systems

- Education**
- Seoul Natl. Univ.                      PhD
  - Seoul Natl. Univ,                      MSc
  - Seoul Natl. Univ.                      BSc

- Experience**
- Assistant Professor                      Umea University (Sweden)
  - Associate Professor                      Ajou University
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- Position**
- Chair                                      Korean Academy of Complex Systems
  - Board member                      Korean Physical Society
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- Selected Publication**
- Hye Jin Park, Seung Ki Baek, and Beom Jun Kim, Stochastic resonance in the two-dimensional  $\mathbb{Z}_q$ -state clock models, Phys. Rev. E 89, 032137 (2014).
  - Mi Jin Lee, Su Do Yi, and Beom Jun Kim, Finite Time and Finite Size Scaling of the Kuramoto Oscillators, Phys. Rev. Lett. 112, 074102 (2014).
  - Su Do Yi, Beom Jun Kim, and Petter Minnhagen, Allometric Exponent and Randomness, New J. Phys. 15, 043001 (2013).
  - Woo Seong Jo, Su Do Yi, Seung Ki Baek, and Beom Jun Kim, Cluster-size heterogeneity in the two-dimensional Ising model, Phys. Rev. E 86, 032103 (2012).
  - Sung-Guk Han, Jaegon Um, and Beom Jun Kim, Double resonance in the infinite-range quantum Ising model, Phys. Rev. E 86, 021119 (2012).
  - Jaegon Um, Seung-Woo Son, Sung-Ik Lee, Hawoong Jeong, and Beom Jun Kim, Scaling laws between population and facility densities, Proc. Natl. Aca. Sci. (USA) 106, 14236 (2009).

**Others**     •