

New Frontiers in Basic and Applied Physics

Objective

The physics symposium at UKC 2009 brings together research physicists from across the United States and Korea. The symposium is designed as a survey of emerging new frontiers in physics and a gathering of the physicists who work on these topics. All of the represented research areas are expected to play a significant role in the trajectory of basic and applied physics research over the next decade.

Topics

The symposium speakers have been selected from a wide range of fields spanning experimental, theoretical, and computational research in both basic and applied areas. A partial list of some of the topics expected to be presented are quantum magnets, superconductivity, biomolecular simulations, non-crystalline alloys, effective interactions in nuclear physics and astrophysics, cosmology, and physics beyond the standard model at the Large Hadron Collider. Each speaker is requested to give a colloquium-level talk.

Symposium Organizers

- **Taeil Bae** (USA)
Stanford University
- **Bum Hoon Lee** (Korea)
Sogang University
- **Dean Lee** (USA)
NC State University
- **Young Pak Lee** (Korea)
Hanyang University