# AKPA Symposium on Special Topics in Physics

(Emphasis on US-Korea Collaboration on KoRIA)



# A BIG Thank you for coming all the way to Texas!!



# Who are our supporters?

- UTA
  - Is a home of 33,000 students
  - Leading research institution in the metroplex area and in the state of Texas
    - Physics department is 87<sup>th</sup> in total research expenditures
  - Now Tier 2 but is striving to become Tier 1 university
- AKPA stands for Association of Korean Physicists in Americas
  - See Dr. Seo's talk later for details
  - Offering a High School Physics Contest this year
- KSEA stands for Korean-American Scientists and Engineers Association
  - Has over 3000 members of various science and engineering disciplines
  - Has been offering Nationwide Math Contest for 4 11<sup>th</sup> students
- Help will available for AKPA-KSEA membership registration during the breaks

### What is KoRIA?

- Stands for Korea Rare Isotope Accelerator
  - A \$400M accelerator that makes rare nuclei that do not exist in nature
  - To understand the nuclear synthesis and the mechanism stars are formed
  - The center piece of a larger Korean government project, called the International Science and Business Belt (ISBB)
  - With a \$5billon investment in the basic sciences
- This is a great opportunity for US and Korea to collaborate to become even closer partners in basic sciences
  - KoRIA could become something like CERN 30 yrs down the road

18:30 - 21:00

Symposium Dinner

# Program – Day 2

#### Saturday, 21 January 2012

08:45 - 09:30	Coffee and Breakfast	
09:30 - 11:45		n 5 - The Wrap-up: Solid State, Nano, Bio Physics er: Prof. Jae Yu (University of Texas at Arlington (US))  Gas Electron Multiplier Detectors and its Application in High Energy Physics 30'
		Speaker: Seongtae Park (University of Texas at Arlington)
	10:00	Spin liquid and spin glass states in frustrated magnets 30' Speaker: Prof. Seunghun Lee (University of Virginia)
	10:30	Hyperspectral Imaging Measurement of Nanomaterials as a High-Resolution Single-molecule Sensor 30'
		Speaker: Dr. Kyuwan Lee (Bio-engineering Department, U. of California, Berkley)
	11:00	Discussions: Toward strong collaboration with Korea and KoRIA 30'
	11:30	Wrap-up and farewell 15' Speaker: Prof. Jae Yu (University of Texas at Arlington (US))



UTA Planetarium Show - The Astronaut

Refreshment and Brunch

11:45 - 13:00

13:00 - 14:00

## Logistics

#### Lunch

Today: please be sure to give your lunch order to Heeyeun
 Kim by the beginning of the morning coffee break

#### Banquet

- Supported by the Korean-American Scientists and Engineers Association (KSEA)
- The Rodeo outing is cancelled
- 7:30pm, restaurant O-Mi at 2625 Old Denton Rd., Suite 326 Carrollton, TX 75007
  - Driving directions are available
  - Rides are organized for out-of-towners