

재미한인과학기술자협회

http://www.ksea.org



Eun-Suk Seo, Ph.D. Professor of Physics, University of Maryland President, KSEA Washington Metro Chapter President, KWISE



 KSEA was established in 1971 as a non-profit professional organization and has grown to over 3000 registered members with 67 local Chapters and 13 technical groups across the United States **KSEA Mission**

Provide opportunities for:

- US-Korea Cooperation
- Career Development
- Community Participation
- Professional Networking
- Technical Excellence











Mentoring,

Eun-Suk Seo



Become a premier association with the following Business Plan:

- Promote the application of science and technology for the general welfare of society
- Foster international cooperation especially b/w the U.S. and Korea
- Serve the majority of ethnic Korean scientists and engineers in the US to help them develop their full career potential

Membership Benefits

Scholarships

- For Undergraduate & Graduate Students in the U.S.
- ~50 recipients per year





Scholarship Examples

- KSEA Scholarship (multiple), \$1,000
- Inyong Ham Scholarship, \$1,000
- Hyundai Scholarship (2), \$1,000
- Chunghi Hong Park Scholarship (2), \$1,000
- Yohan and Rumie Cho Scholarship (1), \$1,000
- Shoon Kyung Kim Scholarship (1), \$1,000
- Nam Sook and Je Hyun Kim Scholarship (1), \$1,000
- Changkiu Riew and Hyunsoo Kim Scholarship (1), \$1,000
- KUSCO Grad Scholarship, multiple



http://www.KWISE.org Korean-American Women in Science and Engineering







Greater Washington Chapter

Headquarters President: Eun-Suk Seo (UMD) VP1: Jane Oh (NASA JPL) VP2 :Hae-Young Ahn (FDA) ED: Eun-Ju Cheong (USDA) PoD: S. Julia Cho (FDA) PD: Hey-Kyoung Lee (JHU) Treasurer: Jay Wu (UMD) Web Master: Ji Han (UMD) IT: Jong Ae Kim (UMD) San Dieg

NIH Chapter

Research Triangle Park Chapter

Southeast Chapter

Los Angeles Chapter

Chapter

Balloon Flights in Antarctica Offer Hands-On Experience CREAM has produced >12 Ph.D.'s



Mentoring

ISS-CREAM: CREAM for the ISS

E. S. Seo et al, Advances in Space Research, 53/10, 1451, 2014



- Building on the success of the balloon flights, the payload is being transformed for accommodation on the ISS (NASA's share of JEM-EF).
 Increase the exposure by an order of magnitude
- ISS-CREAM will measure cosmic ray energy spectra from 10¹² to >10¹⁵ eV with individual element precision over the range from protons to iron to:
 - Probe cosmic ray origin, acceleration and propagation.
 - Search for spectral features from nearby/young sources, acceleration effects, or propagation history.

