



*Korean-American Women in
Science and Engineering*

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August 11, 2016
KWise Networking Dinner
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KWise-KOFWST Women's Forum
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KWise Meeting

Message from The President



In our work, our lives, and everything in between, we are witnessing the growing number of women in the fields of Science, Technology, Engineering, and Mathematics (STEM). We welcome the opportunity to share our knowledge and experiences with the Korean-American Women in Science and Engineering (KWise) community and beyond, and encourage generations to come to follow in our footsteps.

By learning about each of our paths, and the trials and tribulations we endured along the way, we hope to inspire others to persevere. While we may not have taken the most traditional route, but are proud of the obstacles we have overcome because they made us who we are today. Through hard work and dedication, everyone can live up to their full potential.

I am honored to serve as the 5th KWise President. KWise is a professional-oriented non-profit organization, and its success is hinged on the time and commitment of active members. As our stories will tell, we all flourished through a strong support system of advocates and like-minded individuals. Our opportunity to connect and give back came through our membership in KWise, which gave us a forum to both collaborate with, and build, a stronger community. We hope others will be driven to join us and do the same.

I would like to express my gratitude to all the HQ staff, Chapter leads, and members—without whom the success of KWise would not have been possible.

Jane Oh, Ph.D.
The 5th President of KWise

"The future belongs to those who believe in the beauty of their dreams." – Eleanor Roosevelt

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공부하고, 연구하고, 직장으로, 아이들 돌보는 일로 바쁜 미국 생활 중에 KWISE 단체를 통해 새로운 재미 한국인 여성 과학자와 엔지니어 친구들을 만났다. KWISE 는 캘리포니아 주 샌디에고 시에 Scripps 에 근무하시던 과학자들이 모여서 2004 년에 첫모임을 갖게 되었다. 2005 년에 열린 로스엔젤레스 모임에는 KWISE 정광화 박사님과 신용현 박사님께서 참석하셨다. KWISE 1 대 회장님인 한계원박사님, 2 대 회장님인 유상희 박사님, 3 대 회장님인 안혜정 박사님, 4 대 회장님인 서은숙 박사님의 노력으로 1,000 명에 가까운 회원으로 성장하게 되었다. KWISE 단체의 5 대 회장으로 봉사 할 수 있는 것은 영광 이다. 회원 중심의 비영리 단체로, 재미 한국인 민족 전문 기관으로, KWISE 의 발전은 성공하신 재미 한국인 여성 과학자와 엔지니어 분들의 시간과 활동적인 회원의 노력의 결과이다. 미국 전역에서 훌륭한 일을 하고 계신 분들에게 네트워킹의 많은 기회를 제공하고, 꿈을 키우는





대학생들에게 멘토가 되어 준다. 우리의 지혜, 지식, 경험, 기술과 열정을 제공하는 기회를 통하여 적극적으로 젊은과학자와 엔지니어 분들의 삶에 영향을 미칠 것이다. KWISE 이벤트는 우리가 강력한 커뮤니티를 구축 할 수 있는 새로운 기회를 제공 할 수 있다. 우리는 새로운 사람들을 만나고, 새로운 친구를 사귀고, 우리의 지역 사회를 개선하고 KWISE 활동에 참여를 통해 재미 한국인 사회에 봉사를 기회를 만들 것이다. 주요 연구 행사로는 여성포럼, 동부지역 컨퍼런스, 서부지역 컨퍼런스, 남부지역 컨퍼런스가 열리고 있다. 미국에서 자연과학과 엔지니어링 분야의 직장을 다니고있는 분들과 대학에서자연과학과 엔지니어링 분야에서 가르치시고 연구하시는 분이 정식 멤버 이다. 미국에서 자연과학과 엔지니어링 분야의 공부를 하고있는 여학생들은 학생멤버 이다. KWISE 의 목표는 새로운 만남의 기회를 마련하고, 멘토링을 통해 커리어 성장을 도와 주며, 한국과 미국의 교류를 활성화 시키는 일에 힘쓰는 것이다. 거대한 미국땅에서 자칫 방황할 수 있는 여학생들에게 롤모델 (role model) 이 되어주고, 혹은 나침반이 되어 주기도 하며, 직장을 구하는 졸업생들에게 조언을 해 주고 있다. 커리어를 막 시작한 초년생 직장인 에게는 리더십개발과 연구라제 개발을 도와 준다. 성공의 길을 잘 달리고 있는 커리어 전성기에 있는 분들은 봉사심을 발휘하여 미국에 거주하는 한국 사람들의 희망과 꿈을 이루는데 시간과 텔런트를 나누고 같이 기쁨을 나눈다. 재미 한인 여성 과학기술자 협회 5 대 회장 제인 오



Top 20 Women Leaders of the Year

These Top 20 KWiSE Leaders have an outstanding reputation among their colleagues for their dedication, hard work, and strong commitment to help others in developing and advancing STEM careers. Without their willingness to share their time and their knowledge, it won't be possible to achieve any of our accomplishments shown in this newsletter. I am honored and feel very fortunate to have known these awesome female leaders. I am certain they will continue to be a true role model for many of us.

“The great successful men of the world have used their imagination - they think ahead and create their mental picture in all its details, filling in here, adding a little there, altering this a bit and that a bit, but steadily building - steadily building.”- Robert Collier

July 29-31, 2015 (page 6)	August 1, 2015 (page 7)	December 10, 2015 (page 8) 꿈꿀 수 있다면 도전하라	
KWiSE Networking, UKC 2015 Atlanta GA	최양희 미래부 장관 USC ICT 방문	“Discovery and New Frontiers”	“여성 엔지니어 성장통 치유법”
			
Dr. Jae Kyung Lee is an Assistant Professor at the Univ. of Georgia College of Veterinary Medicine. Her research focuses on determining key molecules and their intrinsic mechanisms.	Dr. Sin-Hwa Kang is currently working in the Virtual Reality Lab at the Institute for Creative Technologies (ICT). She received an Investigator Award at the Cyber Therapy 2011 Conf.	Dr. Jane Oh serves as a Lead for NASA Mars 2020 Project Software Systems Engineer. She received twelve NASA awards including Outstanding Group Award and Space Act Award.	Dr. Christine Yoon has 35 years experience of network standards, and developed specifications for new product at AT&T Bell Labs. She is the founder of A Blessing Place, LLC.

December 10, 2015 (page 8) 꿈꿀 수 있다면 도전하라 (세상을 바꾸는 엔지니어 10)			
“지속가능한 사회를 향한 도전”	“My Life”	“후회없는 나의 선택, 나의 인생”	“Becoming a Successful Leader in Engineering Field”
			
Dr. Christy Jeon is a traffic engineer and a transportation planner at Parsons. She was selected to ENR Southeast's annual Top 20 under 40 Class for her accomplishments.	Dr. Kook-Wha Koh founded Chrysan, a global supplier of automotive and industrial lubricants. She won patents in metalworking fluid technology.	Dr. Sora Cho has been working in the Boeing Satellite Systems Department at Boeing. She received an achievement award, recognizing her work and leadership.	Dr. Grace Park is a Senior R&D Manager of a global infusion disposables business at Becton Dickinson (BD). She received a BD's 2012 Technology Innovation Award.

December 18, 2015 (page 9) Future Leaders Conference	December 18, 2015 (page 9) Future Leaders Conference	January 16, 2016 (page 10) Future Leaders Conference	January 16, 2016 (page 10) Future Leaders Conference
			
Dr. Suejung Huh is the founder of Ohhh! Inc, developing medical simulation and virtual reality technology. She was a technical director/tool developer at DreamWorks.	Dr. Hyunsook Park is recently promoted to a tenured Associate Professor of Biology at CSU-LA. Her research focuses on the molecular mechanisms of fungal pathogenesis.	Dr. Minhee Ko is serving as the 5 th KWiSE VP. She works at Doheny Eye Institute, and her ocular translational research focus is to study disease etiology and progression of glaucoma.	Dr. Soomi Kweon is a Senior Research Associate at USC. She is a co-author of "BCL6 enables Ph+ acute lymphoblastic leukaemia cells to survive BCR-ABL1 kinase inhibition."
January 16, 2016 (page 10) Future Leaders Conference	January 16, 2016 (page 10) Future Leaders Conference	April 9, 2016 (page 11) Math & Science Contest	April 16, 2016 (page 12) Southeastern Chapter Conf.
			
Dr. Hee-Yong Kim will serve as the 6 th KWiSE President. She is the Senior Investigator and Chief of the Laboratory of Molecular Signaling at the Intramural Research Program of NIAAA, NIH.	Dr. Hey-Kyoung Lee will serve as the 6 th KWiSE VP. She is recently promoted to a tenured Professor of Neuroscience at JHU. Her research focuses on how sensory experience alters brain circuits.	Dr. Grace Hyun Kim is recently promoted to a tenured Associate Professor of Biostatistics & Radiology at UCLA. Her research focuses on classification and pattern recognition in disease.	Dr. Sung-Sil Moon works as a Microbiologist at Centers for Disease Control and Prevention. Her research includes inhibitory effect of breast milk on infectivity of live oral rotavirus vaccines.
April 30, 2016 (page 13) NY/NJ Chapter Conference	May 7, 2016 (page 14) Texas Chapter Conference	May 14, 2016 (page 15) West Coast Conference	June 6, 2016 (page 16) Newsletter Editor
			
Dr. Yeon Bai is a Professor of Health and Nutrition at Montclair Univ. Her research focuses on application of behavioral theories in breastfeeding, food, nutrition, and exercises.	Dr. Sukyeong Lee is an Associate Professor at Baylor College of Medicine. Her research focuses on a molecular understanding of the protein quality control machinery.	Dr. Minson Baek is currently working at Vertex Pharmaceuticals as a Research Scientist, leading a task to assess development risk in selecting lead drug candidates.	Dr. Hyowon Ban is recently promoted to a tenured Associate Professor of Geography at CSU-LB. Her research focuses on analysis and representation of spatial & temporal information.

KWiSE Networking, UKC
2015 Atlanta GA



Dr. Jae Kyung Lee
(Univ of Georgia)
Southeastern Chapter
President



We had many opportunities to network with other participants as well as guest speakers and other prominent leaders throughout the KWiSE programs especially during the KWiSE-KOFWST Forum and Networking Events.

You are cordially invited to connect talented Korean-American women with other like-minded professionals to collaborate with and inspire. Thanks for taking time to join us and we hope that you benefit from KWiSE program as much as possible.

KWiSE – KOFWST Forum

The primary objective of the annual KWiSE – KOFWST Forum is to attract professionals and students in science and technology in the United States and South Korea to showcase their research, to offer invaluable networking opportunities with prominent leaders attending US-Korea Conference, and to provide workshops especially designed for career development to outperform in early years on the job. Especially, the 2015 KWiSE – KOFWST Forum was held to raise awareness on biases against women and take proactive steps to support women and promote collaboration between US and South Korea.

“Life is either a daring adventure or nothing at all.” – Helen Keller



최양희 미래부 장관 USC
ICT 방문



Dr. Sin-Hwa Kang (USC)
The KWise 5th PD



한국 미래창조과학부는 미국 로스앤젤레스에서 7월 31일부터 8월 2일까지 개최한 “KCON 2015 LA”에서 디지털 콘텐츠전시관 (K-ICT Dream Zone)을 운영하였다. 최양희 미래부 장관은 8월 1일에 KWise HQ 임원들과 같이 식사간담회를 하고 Dr. Minhee Ko, Dr. Jane Oh, Dr. Sin-Wha Kang를 면담하였다. Dr. Minhee Ko는 UCLA에서 하고있는 biomarker 연구를 간단히 소개하였다. Dr. Jane Oh는 화성탐사 프로젝트를 설명하고 마이크로소프트회사와 공동개발중인 가상현실 시스템을 소개하였다. Dr. Sin-Wha Kang이 일하고있는 컴퓨터그래픽(CG), 가상현실(VR) 등의 분야에 세계최고수준의 기술과 경험을 가진 남가주대 창의기술연구소 (Institute of Creative Technology, University of Southern California)을 최양희 미래부 장관은 방문하여 Dr. Paul Debevec과 향후 국제공동프로젝트 확대방안을 논의하였다. 최양희 미래부 장관은 정보통신 기술과 문화 콘텐츠를 융합하여 창조경제의 새로운 성장동력을 마련해야 한다고 강조하고, KWise와 남가주대 창의기술연구소가 국내 디지털 콘텐츠 관련 대학과 기업들과의 협력이 더욱 확대 될 수 있도록 노력해 달라고 부탁하였다.



Mars surface operations planning will use actual Mars rover imagery and Microsoft’s HoloLens holographic computer, a 360 degree, 3-dimensional view of the Martian terrain is presented to scientists and mission planners. Multiple users can ‘move’ around the Martian terrain to examine physical features and to plan rover operations. A screen view from OnSight, a software tool developed by NASA JPL for Mars 2020 Science Rover Project.

As a matter of fact, the Minister Choi’s LA visit promoted a better communication and collaboration between US and South Korea. Especially, Dr. Suejung Huh and KWise LA Chapter members have been participating in a series of Entrepreneurship and Creative Technology seminars including “Let’s talk about BigData” by Dr. Seon Ho Kim (USC) and “Virtual Reality Game” by James Chung, the founder and CEO of Reload Studios.



“What is success? I think it is a mixture of having a flair for the thing that you are doing; knowing that it is not enough, that you have got to have hard work and a certain sense of purpose.” - Margaret Thatcher

 <p>Dr. Jane Oh (NASA JPL)</p>	<p style="text-align: center;">“Discovery and New Frontiers”</p> <p>Making my American Dream a reality was challenging while living in a new country, with a new culture, learning a new language, attending new schools, and trying to build new relationships with a very diverse group of people. It took many years for me to fully grasp the extent to which culture affects anything and everything in life.</p>
 <p>Dr. Kook-Wha Koh (Chrysan)</p>	<p style="text-align: center;">“My Life”</p> <p>For several decades I have been in a male dominated environment. I was not intimidated because I am a woman among men. My intimidation would stem from the lack of preparation during meetings but not due to my environment being mostly men. In short, I do not believe the glass ceiling exists for woman. Women can climb up the ladder of success because they have proven themselves worthy.</p>
 <p>Dr. Christine Yoon (ABP)</p>	<p style="text-align: center;">“여성 엔지니어 성장통 치유법”</p> <p>겉으로 보기에 큰 기복 없이 엔지니어로 잘 성장한 것같이 보일지도 모르지만, 나의 엔지니어 삶은 직장가 가정, 일과 생활의 균형을 유지하기 위해 현실을 극복해야 하는 생존 게임이었다. 이 게임은 나로 하여금 여러 문제에 직면케 했고, 그 문제를 푸는 과정에서 통증과 치유를 반복하면서 나를 성장시켰다. 지난 날들을 기억하면서 나에게 성장통을 준 문제들과 치유법을 나누고자 한다. 지금 성장통을 앓고 있는 여성 엔지니어들에게 조금의 위로가 되길 바란다.</p>
 <p>Dr. Christy Jeon (Parsons)</p>	<p style="text-align: center;">“지속가능한 사회를 향한 도전”</p> <p>나는 이 자리에서 만족하지 않고 앞으로도 계속해서 나의 더 큰 미래와 꿈을 향한 노력을 계속할 것이다. 비록 현재는 본인의 꿈에 완전히 일치하지 않는 길을 가고있다 할 지라도 그 자리에서 맡은 바 책임을 다하며 꾸준히 꿈을 잃지 않고 같은 방향을 위해 정진하면, 언젠가는 머지않아 준비된 나에게 기회가 먼저 찾아오리라는 것을.. 나 또한 이를 믿고 하루하루 준비하며 열심히 살아가고자 한다.</p>
 <p>Dr. Sora Cho (Boeing)</p>	<p style="text-align: center;">“후회없는 나의 선택, 나의 인생”</p> <p>자기 능력과시를 적절하게 그림면서 남에게 잘난척 하는 것처럼 보이지 않게 해야 성공을 하는 곳이 미국 사회이다. 물론 쉽다는 얘기를 하는 것은 아니지만, 한국 사회처럼 무조건 겸손하게 있다가는 늘 남의 뒤에 처지게 된다는 것을 말하고 있는 것이다.</p>
 <p>Dr. Grace Parl (BD)</p>	<p style="text-align: center;">“Becoming a Successful Leader in Engineering Field”</p> <p>The journey continues. Each day, I choose to grow a little bit. Each day, I choose to give a little bit of myself. Giving a little bit of myself to others, I find myself growing a little more. I am on this life long journey. I dare say it is an exciting adventure, and I encourage you to join me on this journey to discovering and living as who we are.</p>

December 18, 2015
Future Leaders Conf.



Dr. Hyunsook Park
(CSU-LA)

The KWise 5th ED



Dr. Suejung Huh (Ohh!)
Los Angeles Chapter
President

초등학생부터 대학생까지 미래 리더들을 위한 콘퍼런스가 열린다. 재미한인여성과학기술자협회(KWise, 회장 제인 오)가 18 일 정도 LA 동부 하버드칼리지에서 '미래 리더 콘퍼런스'를 개최하는 것. 콘퍼런스에는 하버드칼리지 마리아 클라우베이(사진) 총장이 연사로 나와 '미국 사시서 리더로 성장하는 방법'이라는 주제로 청소년들에게 동기를 부여해준다. 오 회장은 "클라우베이 총장이 프린스턴대학, 브리티시 컬롬비아, IBM 등에서 연구원, 교수, 학장, 총장으로 겪은 경험담을 기본으로 아이들에게 과학에 대해 알기 쉽게 이야기해줄 것"이라고 설명했다. 박현숙 총무는 "협회 소속 과학자들도 바쁜 시간을 쪼개 미래 엔지니어들을 만나기 위해 온다. 연령, 성별에 관계없이 많은 학생들과 부모들이 참석하기를 바란다"고 설명했다. 콘퍼런스는 클라우베이 총장의 연설과 질의응답 시간 등 1 시간여 동안의 세션으로 시작한다. 이후 잠시 휴식을 가진 뒤 한인 과학자들이 본인의 전공 및 연구 분야에 대해 간략히 설명한 뒤 질의응답시간으로 이어진다. 이날 참석할 과학자들은 패서디나에 있는 항공우주국(NASA) 소속 제트추진연구소에서 로보틱스 시스템개발 디렉터로 근무중인 제인 오 회장, 하버드칼리지 박제호 박사가 프로그래밍, 캘스테이트 LA 미생물학과 박현숙 교수 등이다. 또한 UCLA 김현정 교수는 이미지프로세싱 통계 분야에, 연방식품의약품안전청에서 근무중인 안혜정 박사가 참석하며 데이비드 오 박사는 콘퍼런스 당일 미시간에서 자율차 테크놀로지에 대해서 이야기를 전할 예정이다. 최근 가상현실(VR) 벤처를 시작하며 주목받고 있는 '오(Oh!!!!)' 허수정 대표, 캘스테이트 LA 우종욱 교수도 참석해 미래 리더들에게 꿈을 심어줄 계획이다. 콘퍼런스는 과학자, 교수들이 5~10 분간 프리젠테이션, 질의응답을 받는 순서로 진행된다. 모든 세션은 영어로 진행되며 질의응답시간에는 한국어 통역 서비스도 제공된다. 콘퍼런스는 하버드칼리지 드링크워드 리사이클에서 열리며 형식은 간단한 점심도 제공한다. 콘퍼런스에 대한 자세한 내용은 협회 홈페이지(www.kwise.org)에서 확인하면 된다. — 미국 로스엔젤레스 중앙일보 기자



Dr. Klawe provided environment to female and minorities by understanding differences and culture. Encourage them and reduce the other dominant students with conversation after the class.

Korean-American Women in Science and Engineering (KWise) offered 2016 Annual Conference on Future Leadership. The conference covered the characteristics of leadership position, negotiation skills with embracing culture, and responsibility to be in a leadership position: (1) the qualities are energy and passion, self-starter, time and take management (a good juggler), ability to reflect, delegation skills, and network (people skill – establish trust both above and below you); (2) element of negotiations are communication, interest of both parties, best alternative to a negotiated agreement (BATNA), creative options, legitimacy, and commitment; (3) the responsibilities are to establish trust both above and below your position, to be able to forgive, to acknowledge your mistake, to be transparent (keeping people informed), integrity, to be generous in *giving other credit*, but *take credit* when credit is due. The challenge is to develop strategic and professorial leadership skill in upper management or scientific field. Taking credit is important and necessary skill as well as giving credit to others. This process is part of changing culture and embracing the next generation who can be next leader in this field.

Written by Hyunsook Park, Ph.D. (CSU-LA)

January 16, 2016 Future Leaders Conf.	January 16, 2016 Future Leaders Conf.	January 16, 2016 Future Leaders Conf.	January 16, 2016 Future Leaders Conf.
			
Dr. Minhee Ko (UCLA) The KWiSE 5 th VP	Dr. Soomi Kweon (USC) The KWiSE 5 th PD	Dr. Hee-Yong Kim (NIH) The 6 th KWiSE President	Dr. Hey-Kyoung Lee (JHU) The 6 th KWiSE VP

Dr. Nancy McQueen (Associate Dean, Cal State LA) gave an inspiring talk with a title of “A Leadership Position in Academia: A Journey through Academia with a Leap to the Dark Side”. In her talk, she shared her journey through academic career development, challenges, and personal experiences to overcome the obstacles. It is important to educate and train colleagues in the field of science and technology and also motivate them to take a leadership role. This can lead to proper usage and interpretation of the scientific and technological field in society. The KWiSE Leadership conference may serve as the platform to discuss the future by integrating the multidisciplinary information with inducing collaboration among scientists in various sectors, i.e., academia, hospital, government and industry internationally. Dr. Hee-Yong Kim, from NIH and Dr. Hey-Kyoung Lee from John Hopkins University. They shared the real working experience as professional scientists and career development as Korean-American women. By covering a broad spectrum of science and practical qualities of leadership, the KWiSE conference provided information in science and technology and networking of Korean-American women. The scientific talks covered in statically changing education program for female minorities, virus in lung and systematic mutation in the M gene in microbiology and immunology, lipids and brain development and importance in consuming omega 3 from fish products, the compartmental structure of brain in five senses and how it can alter in people with blind or in preclinical studies (with virtual blinded condition). The addressed important practical qualities in the leadership are communication skills, positive thinking persistency, transparency, honesty, integrity, resilience, and many others. This conference stimulated collaborative idea between academia and industry from the east and west coasts. These two-day plenary sessions have impacted to KWiSE current members and newly joined members.

Then the conference was followed by panel discussion. The panelists were Hee-Young Kim (NIH), Hey-kyoung Lee (JHU), Minson Baek (VERTEX), Sin-Hwa Kang (USC), Soomi Kweon (USC), Grace Hyun Kim (UCLA), and Suejung Huh (Oh!!!). The topics of discussion were: (1) what are the highly effective behavioral characteristics of leaders at our institute or company? (2) why so few women in leadership roles? And (3) What is the most challenging aspect of leadership for our personally? We addressed that leaders need to give encouragement and see the big picture with delegating works. It is important to give credit and take the credit to be a leader although it challenges to many women in society.

Written by Grace Hyun Kim, Ph.D. (UCLA)



April 9, 2016
Math and Science
Competition



Dr. Grace Hyun Kim
(UCLA)
The KWISE 5th PD

Math and Science Competition

Expose girls to successful female role models
in Science, Technology, and Engineering fields



This year’s Math and Science Competition was held in support of the Harvey Mudd College Office of Community Engagement and Korean-American Scientists and Engineers Association. This event provides an opportunity for students in 4th through 11th grade to spend a day at Harvey Mudd College, including hands-on science activities, interactions with college students and professionals.

KWISE Awards were given to the following four girls:

Susie Choi (8th grade)	Sarah Moon (9th grade)	Seoyeon Kim (10th grade)	Jennifer Choi (11 grade)
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“If you are working on something exciting that you really care about, you don’t have to be pushed. The vision pulls you.” – Steve Jobs

April 16, 2016
Southeastern Chapter
Conference



Dr. Sung-Sil Moon (CDC)
Southeastern Chapter
President



On April 16, the 6th Southeastern Annual Conference was held at the Wyndham Garden Hotel in Duluth, Georgia. The conference began with a welcome message and an introduction of the keynote speaker by the chapter president (Dr. Jae Kyung Lee, UGA).

The keynote speaker of this conference, Dr. Jung Sun Lee (Professor, UGA, Department of Nutrition), gave a talk on “Using research to improve nutrition programs and policies for low-income Georgians”. She is currently leading the Georgia CAFÉ (Community Advocacy to Access Food Stamps for the Elderly and Disabled) project and established the first UGA SNAP-Ed project which has provided an innovative, multi-level nutrition education and obesity prevention intervention to SNAP-Ed eligible adult Georgian population using existing/augmented network and practice of the UGA Cooperative Extension Services (CES) since 2013. The audience was all impressed that her study could be utilized as a key tool to significantly improve the Georgia nutrition benefit system. The research session chaired by Dr. Sung-Sil Moon (CDC) was also lined up with interesting talks given by four outstanding scientists. Ms. Kyung-Hwa Kim (Senior principal planner, Atlanta Regional Commission) gave a talk on “How ARC is using performance measures for the region’s plan” in which she planned how performance measurement and data analysis could be applied to effective transportation planning. Dr. Youkyung Choi (Microbiologist, CDC) gave a talk on “Study of pathogenesis of hepatitis C and E virus infection in experimentally infected animals” and shared her chimpanzee experiments.

During the lunch break, the members enjoyed Korean box lunch, introduced themselves, and connected with other peer scientists and potential mentors. The next speaker was Dr. Hea Jin Park (Assistant professor, UGA), who gave a talk on “Folate status in women of childbearing age: Impact of obesity and pregnancy” in which she focused on bioactive food compounds and vitamins and the mechanisms of their action on obesity. Lastly, Dr. Jiyoung Mun (Assistant professor, Emory University) gave a talk on “Neurotensin receptor 1-targeted PET traces for cancer diagnosis and therapy.” She introduced small molecular radiotracers and application technology for analyzing and diagnosing many diseases without any invasive tool. After these four talks, Dr. Jae Kyung Lee gave a short talk to introduce the mission and goals of KWise and announced KWise SE officers for 2016-2017.

The KWise 6th Southeastern Annual Conference was a great success with 24 participants including 10 new members from diverse fields of study. Every participant enjoyed the time and was very impressed with research presentations from diverse fields and networking opportunities among the members.

Written by Sung-Sil Moon, Ph.D. (CDC)

April 30, 2016
NY/NJ Chapter
Conference



Dr. Yeon Bai
(Montclair U.)
NY/NJ Chapter
President



The KWISE–NY/NJ Chapter Forum was held in Crown Plaza Hotel Englewood on April 30, 2016. The forum was held in collaboration with 25th KSEA Northeast Regional Conference (NRC), hosted by three KSEA regional chapters—New Jersey, New York Metro, and Philadelphia.

Five professional societies partnered with this conference such as KWISE, IT and Entrepreneurship, Biologists, Biotech and Pharmaceuticals, Philadelphia Scholars. This year’s forum was especially meaningful to rejuvenate our chapter since its first establishment in 2013. KWISE-NIH chapter president (6th KWISE president), Dr. Hee-Yong Kim (Chief-Laboratory of Molecular Signaling, NIAAA) joined our meeting to greet members, and give congratulatory remark. Dr. Kim presented KWISE history and KWISE contents. Also, Dr. Kim encouraged members to attend 2016 UKC in Dallas this summer.

Organized with NRC 2016’s theme of “Moving forward another quarter century, Together,” KWISE session this year invited female scholars to discuss the uniqueness of women and their reality with the audience. Under Dr. Minsun Shin’s (Montclair State University) moderation, Dr. Yeon Bai (Montclair State University) presented research findings regarding workplace challenges faced by working mothers to continue lactation. Ms. Christine Yoon (Director-GoodCyberKids Corp) shared testimony of *Healing Growing Pains*. Ms. Yoon communicated her personal challenges finding the right balance in career and life while working as an engineer for mostly Fortune 500 companies in the United States. Final topic of the session was *Art of Networking* presented by Ms. Alice Kim (Columbia University). Ms. Kim discussed ‘what is’ and ‘how to’ networking effectively for approximately 80% of all jobs are found through some form of networking and referrals.

The 2016 KWISE-NY/NJ Chapter Forum was modest in scale but a great success. The session provided a start of long-lasting networking, mentoring, and sharing opportunities for members.

Written by Yeon Bai, Ph.D. (Montclair U.)

May 7, 2016
Texas Chapter
Conference



Dr. Sukyeong Lee (BCM)
Texas Chapter President



On May 7, 2016, KWISE Texas Chapter held its first Annual Regional Conference at Baylor College of Medicine (BCM) in Houston, Texas. On-site registration began at 9:30am, with members introducing each other over breakfast. Texas Chapter President Dr. Sukyeong Lee (BCM) welcomed everyone and introduced Ambassador Joohyeon Baik, Consul General of the Republic of Korea in Houston, who gave the Opening Speech to inaugurate this significant event for our chapter. For the morning session, we had interesting scientific seminars given by Drs. Nayun Kim (UT Houston), Seunghee Yoo (UT Houston), and Se-Jin Kim (BCM), covering a wide range of topics including yeast genetics, circadian rhythms, and breast cancer. Lunch time was a very entertaining, with Dr. Seol Hee Im (MD Anderson) presiding over group games such as the ABCs of Biology and Bio Pictionary. Team names were based on famous women scientists from history. Small prizes were given to the groups that scored the most points.

For our Career Development Seminar, we invited Dr. Gye Won Han (Bridge Institute @USC), who gave an inspirational keynote speech entitled "My Life in Science, and KWISE". She gave a summary of her career trajectory as a basic scientist and shared personal stories of her career choices. Dr. Han was the founder and first president of KWISE, and her career spans decades of research in structural biology. Currently, she is involved in resolving the structure of various G-protein-coupled receptors (GPCRs).

Then Dr. Yangjin Bae (BCM) introduced a new Mentoring Program for our chapter. This program sponsored by the Center for Women in Science, Engineering and Technology (WISSET) aims to provide a supporting system for all women at various stages in their careers. Our chapter is the first organization outside of Korea to participate in this program.

Finally, the last session was the Data Blitzes, which are a series of 3-5 minute talks aimed at giving a quick overview of various research topics, summarized in just a few number of slides. We had 9 talks and all participants received a gift for their contributions. Notably, even though the majority of the participants had a biomedical background, we were lucky to have a civil engineering expert, Dr. Doeun Choe (Texas A&M), who gave us a fascinating glimpse into her work in structural safety and hazard mitigation.

All in all, our very first regional conference was a great success and set the tone for future meetings to come. Survey questionnaires were filled by attendees to provide feedback for future KWISE Texas Chapter activities. We hope to have more people attend next year's meeting!

Written by Jean J. Kim, Ph.D. (BCM)

May 14, 2016
West Coast Conference



Dr. Minson Baek
(Vertex)
San Diego Chapter
President



The 10th KWise West Coast annual conference titled, “Towards Work-Life Satisfaction” was successfully held on May 14th at QUALCOMM auditorium in San Diego. In this meeting, 8 invited women scientists and engineers shared inspiring stories about their career path and gave practical tips on obtaining jobs in various professional fields. Meeting registration started at 8:30 and local women scientists, post-docs, students, and LA KWise members mixed and mingled over breakfast and coffee. The morning session began with welcoming opening remarks from SD chapter president Dr. Minson Baek. Followed, Dr. Jane Oh, president of KWise acknowledged three KWise members, Dr. Suejung Huh (KWise LA chapter president), Dr. Minson Baek (KWise SD chapter president), and Dr. Hyunsook Park (KWise vice president) for their contribution to KWise and presented them with an appreciation plaque. Dr. Oh gave a brief introduction to KWise’s mission and history. Since founded in 2004, KWise has been a main networking channel for Korean women scientist and engineers and now it is a nationally recognized non-profit organization with 7 local chapters. With her exciting stories and movies about NASA’s MARS exploration, she encouraged other women scientists to be part of the legacy.

The next speaker, Dr. JungJoo Hwang shared her experiences regarding the different choices she made throughout her career journey. She pointed out that women scientists often under value themselves but instead we should aim high and seek where our passion lies. Recently, she launched a non-profit organization House of Korea (HOK) to foster public learning of Korean art, culture, history, and value in San Diego. Dr. Grace Kim presented her path of becoming a radiology physicist and how the developing technologies of radio physiology made the treatments more effective and less invasive. For last talk of the session, a financial advisor, Ms. Michelle Cho talked about importance of planning your finances early and different investment choices you can make. Delicious lunch and dessert was served after the morning session at a cafeteria and we thank student members for their help. The afternoon session began with Dr. Eunha Hoh and Dr. Hyunsook Park’s presentations on academic job searches. As faculty members who have served on SDSU and CSU search committees, they shared practical tips on what do-to or not-to-do during an academic job search. Dr. Eunha Hoh shared how she changed her field of research and gave practical interview tips with real life examples of candidates she interviewed. Dr. Hoh and Dr. Park shared their observations and experiences with the academic job search process. Dr. Park, who received her Ph.D. from a Korean institute, shared how she overcame the obstacles in becoming an assistant professor and a tenured associate professor in the USA. Dr. Younhee Cho shared her relatively recent experiences from her recent successful industrial job hunt coming away from academic postdoc. She shared the importance of self-assessment and understanding the core values of being a scientist in today’s industry. Dr. Haejung Ahn current chemist in FDA presented the detailed and practical information about how to find a government job opening, apply, and follow-up throughout the application process. Using her own case as an example, she emphasized the unique but important aspects of the government job application process.

Dr. Minson Baek introduced the new mentoring program that SD chapter is initiating this year. This program is to connect junior women scientists and engineers seeking career advices with a senior member who has gone through the similar path. All SD KWise members can participate in the mentoring program as a mentor and/or mentee. We are accepting the application now until May 21st and more information about the program will be presented at the orientation meeting on May 24th. Application form and detailed information can be found in www.kwise.org/san-diego. The official program ended with Dr. Han’s closing remarks on 4 core values of successful women and small appreciation gifts were given to student volunteers and raffle ticket drawing winners. Thanks for all volunteers, speakers, and participants.

Written by Minson Baek, Ph.D. (Vertex)



June 1, 2016

Newsletter Publication



Dr. Hyowon Ban
(CSU-LB)
The KWISE 5th PD
Newsletter Editor

You are cordially invited to connect talented Korean-American women with other like-minded professionals to collaborate with and inspire. Thanks for taking time to join us and we hope that you benefit from KWISE program as much as possible.

KWISE is organized and operated to increase knowledge and generate a greater interest in the areas of Science, Technology, Engineering, and Mathematics (STEM), providing the means for talented women to connect, collaborate, and inspire, creating environments that support women and develop leadership skills, and exposing girls and boys to successful role models in STEM.

KWISE is exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to KWISE under IRC Section 170.

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Dr. Grace Park (BD)

Upcoming Events:



Dr. Hee-Yong Kim (NIH)
The 6th KWISE President

<http://ukc.ksea.org/UKC2016/>
Hyatt Regency DFW International Airport
2334 International Pkwy, Dallas, TX 75261
August 11-13, 2016