Table of Contents of Candidate Profile

Candidates for the 53rd President-Elect

Tae (Tom) Oh
(click name or photo for the video statement)

Professor
Golisano College of Computing and Information Sciences
Rochester Institute of Technology (RIT)

Dear Fellow KSEA Members,

I am honored and blessed to nominate as a candidate for the President of KSEA. I am a Professor and Strategic Initiatives and Innovation Director at Rochester Institute of Technology. My involvement at the KSEA at the national level started by attending the first young generation conference in 1999, Korean-American Young Generation Leadership Conference in Science and Technology. I remember many positive impacts of meeting impressive speakers and participants. Throughout the years, I benefited from KSEA during my career. As you can see from my resume, KSEA has embraced me and allowed me to work with many great leaders and mentors. Although I have spent 14 years in academia, I bring 18 years of industry and startup experience in managing and leading companies in my technical fields. My understanding and experience in the industry, academia, and serving KSEA will help me lead this organization.

If I become a president, I would like to adapt our KSEA organization roles and visions to 21st-century business models. Korea has become the world's 10th biggest economy, different from 50 years ago. Therefore, we must adapt our organization to support today's fast-changing Korea and US. I consider embracing change and difference to be an advantage to our organization.

Because of my background and experience, I can bring diversity and inclusion by balancing academia, industry, business, research, and government sectors. Currently, 72% of our memberships are from academia, and I have a high priority of supporting high-quality speakers at UKC, reinforcing strong technical groups such as bio, medical, IT, and other groups, promoting interdisciplinary collaboration plus funding opportunity events, and providing mentorship opportunities for entry-level, mid-level, and administrative careers in academia. Also, embracing members from teaching universities is important for our future direction.

As for the industry side, we have many potential and untapped opportunities to expand and stabilize our memberships and funding from high-impact companies such as Samsung, LG, Google, Mayo Clinic, and other Korean and US-based companies. I see many possible new members, such as engineers, programmers, multimedia, entrepreneurs, IT professionals, healthcare, consultants, and many more. Also, we need to support young and seasoned professionals to contribute their talents to their fullest potential. Young and experienced professionals from various industries, non-profit organizations, and government sectors could help this organization be more valuable and productive. Currently, only 19.2% of members are from the industry, and I see much room for improvement.

Also, I noticed that 24% of the KSEA memberships are women. I believe we can do better by promoting membership by providing more resources for recruiting, supporting, and mentoring women and inviting high-impact women speakers at UKC and other KSEA events. In speaking of the membership, another high priority is to revive KSEA memberships and activities on the west coast. So many exciting technical transformations and growth are happening there. We must reach out to our former and future members to rejuvenate and promote healthier west coast chapters and branches.

As most of you know, seeking and securing funding from Korea has been challenging for the last couple of years, but we will make a continual effort to establish stronger relationships and support with Korea. My strong relationship with research institutes and agencies in Korea will help me to reach the funding targets. Additionally, we have many Korean-American members who are key contributors and players in major corporations, small and medium-sized companies, non-profit organizations, and startups throughout the US. Therefore, taking the initiative to seek funding from those sources is also important. I have proven experience in raising funding from federal agencies, industries, and investors. I can significantly impact this area by actively pursuing mutual benefits from Korean American change-makers, visionaries, and leaders who are industry leaders and frontiers.

Also, we need to Include and Invest in Korean Americans and help them transition to mainstream KSEA as regular members to promote diversity in our organization. This is a critical issue for its sustainability that we should not ignore for our future. Yes, there may be generation and culture gaps between us. However, they are energetic, dynamic and their creativities are valuable assets to our organization. By practicing servant leadership and leveraging the commonality of science and technology, we will work together to build an active and robust organization.

Most importantly, focus on us, our members' benefits, and understand each other even with background, interest, and cultural differences. Closer collaboration between our Affiliated Professional Societies (APS) and the non-KSEA (US) organizations can only make a healthier organization. As a result, a strong Unity will establish an adaptive, stable, and robust organization.

I hope my KSEA experiences, in-depth cultural understanding, and mission-minded focus will impact KSEA positively. Again, thank you so much for your attention. I genuinely hope to grow this organization with you as a president.

EDUCATION

2001 PhD in Electrical Engineering, Southern Methodist University
1995 MS in Electrical Engineering, Southern Methodist University
1990 BS in Electrical Engineering, Texas Tech University

ACADEMIC EXPERIENCE

2022-present Strategic Initiatives and Innovation Director
Rochester Institute of Technology
2020-present Professor Rochester Institute of Technology
2013-2020 Graduate Coordinator
Rochester Institute of Technology
2008-2020 Associate Professor (Tenured:2014)
Rochester Institute of Technology
2002-2008 Adjunct Professor, Southern Methodist University
1996-2002 Research Assistant, Southern Methodist University

INDUSTRY EXPERIENCE

2003-2008 Principal Systems Eng. + Technical Advisor
Rockwell Collins
2001-2003 Senior Systems Architect, Ceterus Networks
1999-2001 Senior Systems Engineer, Ericsson
1995-1999 Senior Software Engineer, Nortel Networks
1990-1995 Communication Systems Engineer
Electrospace Systems (Raytheon)

KSEA ACTIVITIES

2021 **MC** at Plenary Session, UKC 2021
2021 **Chair**, ETRI Forum, UKC 2021
2018-2019 **Vice President 1**, 47th Administration.
2018-2019 **Chair**, National Math and Science Contest.
2017-2018 **Program Chair**, UKC 2018 (St. John University, Queens, NY Aug. 2018)
2016-2017 **Chair**, YG Definition and Integration to KSEA Committee
2015-2016 **KSEA Exe. Dir**., 44th Adminstration; ExOfficio, Rules Comm., Contest Comm., and Election Comm.
2015-2016 (2015) **Symp. Chair**, EEC Sym., UKC 2015;
(2016) Symp. Co-Chair, EEC Sym., UKC 2016
2013-2016 **TG K Leader** (EEC); **Member**, Young Generation Committee, KSEA.
2011-2013 **Advisor**, YGTLC Advisory; **Member**, Long Range Planning Committee
2010 **Forum Chair**, UKC 2010 YGPF; **Conference Chair**, YGTLC 2010.
2010-2011 **Membership Director**, 39th Administration; 2009-2011 **Young Generation Advisor**
2009 **Forum Chair**, UKC 2009 YGPF; **Program Co-Chair**, UKC 2009 Green Communications and Global Spectrum Management Symposium; **Conference Chair**, KSEA YGTLC 2009.
2009-2010 **Young Generation Director** 1, 38th Administration
2008-2009 **Young Generation Director**, 37th Administration

PROFESSIONAL ACTIVITIES

2008-present Technical Editor - IEEE Communication Magazine
2009-present Associate Technical Editor - IEEE Network Magazine
Technical Editor for other 10 Journals and technical program committee members over 50 conferences
2013-present IETF International Engineering task force-IESG

RESEARCH LEADERSHIP AND PUBLICATIONS

Published over 18 international well-known journals, 5 book chapters, 10 IETF standard drafts, over 116 peer-reviewed conference papers, and over 75 invited poster and TV media presentations.

GRANTS

Dr. Oh has received numerous research grants from the National Science Foundation (NSF), Office of Naval Research (ONR), Department of Defense (DOD), ETRI, Packaging Corporation, Rochester General Hospital, Association of Blind and Visual Impaired (ABVI), HP-China, and Safe and Secure Mobile.

AWARDS AND HONORS

2022 AWS Education Award
2021 KIAT Appreciation Award
2021 IEEE Communication Magazine Award
2021 Sungkyunkwan University Award
2020 KAUPA Appreciation Award
2019 KIAT Award
2018 Sponsor Innovation Award, Imagine RIT
2016 Winner Imagine RIT Destler's Contest
2012 ASIA-Best Tech Paper Award
2011 OPNETWORK Best Tech Paper Award
2009 GCCIS Award
2008 AT&T Distinguished Korean Service Award 2008

KSEA AWARDS

2011 KSEA Young Generation Leadership Award
2011 KSEA Certificate of Appreciation Award
2009 KSEA Certificate of Appreciation Award
2009 KSEA Exception Achievement Award
2009 KSEA Successful Leadership Award
2009 KSEA Certificate of Appreciation Award

Candidates for the 53rd President-Elect

Young-sup Yoon
(click name or photo for the video statement)
Bruce R. Logue Chair Professor
Department of Medicine, Division of Cardiology
Emory University

Dear Fellow KSEA Members:

I am humbled and honored to be nominated for the 53rd President of KSEA. I hope that each member of the KSEA is healthy and well. While the world has suffered from the unprecedented challenges of COVID-19, we have overcome these tremendous challenges. We have also seen the unyielding spirit and dedication of all the KSEA members, volunteers, and staff to keep our organization upbeat and progressing.

KSEA is heading to a new era, the second half of the organization's centennial. KSEA has been successful in fulfilling its mission and visions. Thanks to the tireless efforts and commitment of our predecessors, KSEA has become a home for Korean-American scientists, engineers, and entrepreneurs. We have seen the phenomenal growth of this organization over the past 50 years, with over 6,000 registered members and ~41 local chapters and branches, ~31 affiliated professional societies (APS), 13 technical groups (TGs), and 29 young generation chapters. KSEA has formed robust networks for numerous U.S. and Korean scientists and engineers and has provided opportunities for academic promotion, collaborations among people and disciplines, career development, and community service.

At the same time, KSEA has faced substantial changes and challenges in the inner and outer environments. A growing number of 1.5 to 2nd generation have joined. In addition to our core disciplines of science and engineering, interdisciplinary cooperation among other disciplines such as medicine, social science, and business have become more important. Accordingly, KSEA has expanded our TGs to new fields such as social sciences, psychology, digital arts, business, and law, and optimal integration of these disciplines is an important new task. In addition, with changing social, cultural, and economic environments, the relationships with Korean agencies and the financial stability of our organization have become more crucial.

At this critical juncture of KSEA, I am willing to serve KSEA as a president to move our organization to the next stage if I am given such an opportunity and honor. I believe that I am equipped with qualities and experience for leading this organization as summarized below.

I have seen my professional and personal growth with KSEA over the past 18 years. Since I attended my first chapter meetings and first UKC in 2004, I have served KSEA in various roles including Vice President (2020-2021), UKC keynote symposium chair (2023), TG councilor (2017-2020), Chair of TG councils (2018-2020), UKC Symposium Chairs (2016, 2017, 2018, 2019), UKC Symposium Session Chairs (2012, 2013, 2014, 2015), Invited Speaker at UKC (2004, 2005), organizer and speaker in various forums, member of multiple ad-hoc committees and task forces, speaker in KSEA related events (YGPF, Korean-American School), grant reviewer, and a volunteer at local chapters.

In addition, I have varied experience in academia (science and engineering), medicine, industry, and local communities. I have taken many leadership roles in professional societies and schools. For example, I served as an inaugural Co-Chair of the Asian Basic Cardiovascular Science Society at the American Heart Association (AHA) and Chair of the Life-long education committee at the AHA, organized more than 20 scientific meetings, worked as Associate Editor of two internationally recognized journals, and as an editorial board member of five international journals. I have also founded three biotechnology companies, and have gained the necessary insight on how to work together with industries and business sectors. In the school, I am a Professor at Emory University and Georgia Institute of Technology, giving me primary experience in science, engineering, and medicine. I also have special passion for teaching the next generation and have directly mentored more than 100 undergraduate students, in addition to ~45 graduate students and post-doc fellows. I have a joint appointment at Yonsei University and have experienced academic and administrative roles in academia and government sectors. With this experience and passion, I can fulfill the mission and visions of KSEA.

If elected, my priorities for KSEA are as follows:

- Mission and Connection: First of all, I will focus on the original mission of KSEA, which is the application of science and technology for the welfare of society, international collaboration, career development, and community service. In doing so, the role and influence of local chapters, TGs, APSs, and YGs are crucial without doubt. To integrate these fundamental building blocks, we will strengthen online networking and activities through the internet and social media. This way, we could better connect with outside organizations. We would like KSEA to function as a hub for information and communication. To achieve this goal, we will add more resources to improve and refine our IT model.
- Reputation: Due to the emergence of similar new societies in the US, it is now necessary to solidify and enhance KSEA's reputation as a principal and supreme organization of science and engineering. To achieve this goal, we will take continuous measures to increase the membership and promote our activities and presence. We also would like to strengthen the relationship with the Korean government and deepen and widen the relationship with professional societies within the US and Korea.
- Finance: Finance is always one of our top priorities. We will make the best possible endeavors to strengthen the financial stability by membership campaigns and exploring new sources of funding through sponsorship, partnership, corporate engagement, and donation.
- Ecosystem: Since KSEA consists of various generations with different interests, it is necessary to establish a sustainable system to meet the emerging needs of various generations and parties. As a first step, we will formulate a task force to identify the needs and gather opinions.

• Social Responsibilities: We, KSEA, as a leader of global community, have the responsibility to lead the social agenda. Thus, it is necessary to foster awareness of the issues of diversity, equity and inclusion and enhance our presence and voice in this issue and act accordingly.

Education

2020 M.Div - Emory University, Candler School of Theology
2002 Post-doctoral Fellow, Tufts University
1998 Ph.D. in Cardiovascular Biology, Yonsei University
1995 M.S. in Allergy and Immunology, Yonsei University
1993 M.D. in Medicine, Yonsei University, Korea

PROFESSIONAL EXPERIENCE

2018-present Bruce R. Logue Professor, Emory University
2015-present Distinguished Professor, Yonsei University
2008-present Director of Stem Cell Biology, Emory University
2013-present Professor, Emory University Georgia Institute of Tech
2008-2013 Associate Professor, Emory University
2004-2010 Associate Professor, Tufts University
2002-2007 Assistant Professor, Tufts University
2000-2002 Post-doctoral Fellow, Tufts University
1997-2000 Cardiology Fellow/Instructor Yonsei University Medical Center
1994-1997 Military Service
1990-1994 Internal Medicine Resident Yonsei University Medical Center

KSEA ACTIVITIES

2023 UKC 2023, Keynote Symposium Chair
2021 KSEA start-up committee (창업진흥원)
2020-2021 Vice President
2018-2020 Technical Group Council, Chair
2017-2020 Technical Group Councilor (Group F, MPS)
2019 UKC, BMP Symposium Chair
2018-2019 UKC, BMP Symposium Chair
2018 YG invited speaker
2017 UKC, BMP Symposium Chair
2016 UKC, BMP Symposium Chair
2012-2015 UKC, BMP Symposium Session Chair
2005 UKC, BMP invited speaker
2004 UKC, BMP invited speaker

• Organizers, chairs, and speakers of various forums at UKC for BMP, BME, CNV, MPS, KHIDI-sponsored forums
• Various ad-hoc committees and task forces for KSEA
• Guest speaker in KSEA related events (YGPF, Korean-American School)

PROFESSIONAL ACTIVITIES

2019-present Inaugural Co-Chair, Asian Basic Cardiovascular Science Society, American Heart Association (AHA)
2019-2021 Chair, Life-long Education Committee, AHA
2013-present Chartered member and Chair for Study Sections, National Institute of Health
2005-present Member and Chair for Study Sections American Heart Association
2008-present Associate Editors (2) and Editorial Board (5)
2007-present Session Chair, Invited speaker, and Abstract Grader for AHA, American Diabetes Association (ADA), Biomedical Engineering Society (BMES), Tissue Engineering International TERMIS, International Society for Heart Research, IVBM

AWARDS AND HONORS

2022 1% award, Emory University
2021 Ministerial Award, Korean Ministry of Health and Welfare
2004-present More than 160 invited talks including 30 plenary or keynote presentations including British Heart Foundation, SHR, ADA, European Association for Study of Diabetes, TERMIS, Gordon Conferences, IVBM, International Academy of Cardiovascular Sciences, South China Society of Cardiology,
2014 Elected member, American Society for Clinical Investigation (First among Korean graduates)
2013 Elected Fellow, American Heart Association
2013, 2011, 2010 Superior editorial consultant award for Circulation Research
2013 Innovation of 2012 Award, Emory University
2011 Outstanding Research Accomplishment Award, Emory University
2004 Young Investigator Award, American College of Cardiology
2003 Melvin Marcus Young Investigator Award, AHA
2000 Postdoctoral Fellowship Award, AHA
1989 Highest Honors Graduate, Yonsei Univ College of Medicine

RESEARCH LEADERSHIP AND PUBLICATIONS

• Main Area of Research: Stem Cells, Regenerative Medicine and Engineering, Cardiovascular Regeneration
• Director of Stem Cell Biology: Emory University
• Director of Stem Cell and Engineering Initiative: Yonsei University College of Medicine
• ~140 publications, including Nature Medicine, Nature Biomedical Engineering, Nature Cell Biology, Nature Protocols, JAMA, Circulation, Circulation Research, Journal of the American College of Cardiology, ACS Nano

GRANTS, PATENTS, ENTREPREUNERSHIP

• As a PI, since 2003, I have been awarded over $40M in externally sponsored research from National Institute of Health, Department of Defense, NSF, AHA, JDRF and industrial entities.
• Patents: ~30 filed and issued patents; 4 licensed out
• Launching a start-up company: Founder and CEO: KarisBio, AlphaStem, Emervation

Candidates for the 52nd Vice President

Do-Gyoon Kim
Professor
College of Dentistry
Ohio State University

STATEMENT OF PURPOSE

It's my honor to be nominated for the Vice President of KSEA. I'm glad to introduce myself with my diverse academic and professional backgrounds. I was trained in Biology for my undergraduate and master's degrees, and mechanical engineering for my Ph.D. I worked as an engineer at a major company in Korea, as a post-doctor at hospitals, and currently have a faculty position at the OSU College of Dentistry. Recently, I founded a start-up company (HuMed Lifesciences) with an entrepreneur who I met at STEPUP 2020 of KSEA. I believe these multidisciplinary careers help me understand and communicate with members of KSEA who are scientists, engineers, entrepreneurs, and physicians.

My history with KSEA began 22 years ago when I was a Ph.D student and assigned as the President of the North East New York Chapter. I served the Membership Director in HQ for 2 years while managing the Chapter President of Ohio for 5 years. As the Program Chair and Executive Director of UKC2020 Virtual, I operated the event in spite of the challenges due to COVID-19 and the virtual format that had never before been used for UKC. It was successful having 898 people participated and 222 papers accepted. I expect this first virtual UKC could suggest a standard model for the future conferences including hybrid events. As you know, KSEA has been maintained for 50 years thanks to volunteers who have taken their time to help lead our organization. Moving forward with colleagues to make a better tomorrow is the reward for all the effort of leadership. Let's have fun together! Cheers!

EDUCATION

2001	Ph.D. Mechanical Engineering Rensselaer Polytechnic Institute (RPI), Troy, NY
1991	M.S. Biology, Yonsei University, Seoul, Korea
1989	B.S. Biology, Yonsei University, Seoul, Korea

PROFESSIONAL EXPERIENCE

2019-present	Professor, Ohio State University, Columbus, OH
2013-2019	Associate Professor with tenure, Ohio State University, Columbus, OH
2007-2013	Assistant Professor, Ohio State University, Columbus, OH
2003-2007	Research Scientist/Post-doc, Henry Ford Hospital, Detroit, MI
2002-2003	Post-doc, SUNY Upstate Medical University, Syracuse, NY
1994-1996	Associate Engineer, Daewoo, Korea

KSEA ACTIVITIES

2019-2020	Program Chair and Executive Director, UKC 2020
2017-2019	46th and 47th Membership Director
2015-2019	Ohio Chapter President
1999-2000	NE-NY Chapter President

PROFESSIONAL ACTIVITIES

2021-present	Associate Editor, Frontiers in Bioengineering and Biotechnology
2004-present	Reviewer of more than 20 journals and moderator of international conferences

RESEARCH LEADERSHIP AND PUBLICATIONS

More than 100 peer reviewed full papers, 4 book chapters, 3 patents, 40 invited talk at international/ national institutes, and 200 presentations at international conferences.

AWARDS AND HONORS

2021	Gold of The President's Volunteer Service Award, The President of the United States
2020	Burstone-Indiana Biomechanics Award, American Association of Orthodontists Foundation
2018, 2014	Paper of Year award, College of Dentistry, The Ohio State University (OSU).
2015	Brain Pool Scholar invitation award, The Korean Federation of Science and Technology Society
2013	B.F. Dewell Memorial Research Award, American Association of Orthodontists Foundation
2011	Stazen Junior Faculty Award for research excellence, College of Dentistry, OSU GRANTS

A total of 27 grants (16 grants as the PI and 11 grants as the co-I) have been received from many resources including NIH, NSF, Korean Ministry of Science, ICT and Future Planning, American Association of Orthodontists Foundation, American College of Prosthodontics Education Foundation, American Academy of Implant Dentistry Foundation, OSU, State of Ohio, and corporate grants.

NOTABLE RESEARCH ACCOMPLISHMENTS

Hybrid dental implant (USA 9757213B2) - founded a start-up company (HuMed Lifesciences) supported by Ohio Third Frontier program (State of Ohio).

Candidates for the 52nd Vice President

Jeho Park

Director
Murty Sunak Quantitative and Computing Lab
Claremont McKenna College

STATEMENT OF PURPOSE

I am truly honored to be nominated as a candidate for the 52nd Vice President (VP) of our esteemed organization. As a first-gen immigrant with a math and CS background, I have a deep passion for promoting **diversity and inclusion** in STEM fields. I believe that our organization has a unique responsibility to **lead, connect, and support** our Korean American community.

With over a decade of experience in every corner of KSEA and a track record of mentorship and leadership within our community, I am confident in my ability to serve as Vice President. My priority is to strengthen the connection between our members in any positions and ages, and to provide opportunities for professional growth especially in **entrepreneurship**. I will continue working to expand our networking and outreach efforts and to foster partnerships with industry and organizations that share our mission.

For another 50 years of KSEA, I believe it is our time to set a new course of action for us to continue and build upon the past 50 years of success by harnessing diversity, inclusion, and entrepreneurship. If elected, I will bring my passion, energy, and dedication to the role of Vice President and work tirelessly to advance the interests of the Association and its members. I would be honored to have the opportunity to serve as your Vice President and I look forward to your support.

EDUCATION

2009	Ph.D. in Applied Mathematics in Computer Science, Claremont Graduate University
2000	M.S. in Computer Engineering; Computer Science California State University, Long Beach
1996	B.S. in Electrical Engineering Inchon National University, South Korea

ACADEMIC POSITIONS

2018-present	Founding Director, Murty Sunak Quantitative and Computing Lab, Claremont McKenna College
2018 -present	Visiting Assistant Professor of Mathematical Sciences, Claremont McKenna College
2019-present	Director, Data Science Capstone Program, Claremont McKenna College
2015-2018	Associate Director, Academic and Research Computing Services, Harvey Mudd College
2016-2017	Adjunct Professor, Institute of Mathematical Sciences, Claremont Graduate University
2015-2016	Lecturer, Department of Information Systems, California State University, Long Beach
2009-2015	Scientific Computing Specialist, Academic and Research Computing Services, Harvey Mudd College
2009-2010	Lecturer, Department of Computer Engineering and Computer Science, CSU Long Beach
2005-2006	Lecturer, Department of Computer Engineering and Computer Science, CSU Long Beach

KSEA HQ ACTIVITIES

2022-present	51st Entrepreneurship Director
2021-2022	Co-Chair, UKC 2022 Industry and Entrepreneurship Symposium (IES)
2021-2022	Co-Chair, Step-Up 2022
2020-2021	Chair, UKC 2021 Seoul Forum
2020-2021	Co-Chair, UKC 2021 IES
2020-2021	Co-Chair, Step-Up 2021
2019-2020	Sponsorship Director, UKC 2020
2019-2020	Chair, UKC 2020 Seoul Forum
2018-2020	Young Generation Committee
2017-2018	46th General Director
2015-2018	TG Councilor, Computer and Information Sciences
2017-2018	Founding Co-Chair, Professional Development Forum
2016-2017	Nomination Committee
2016-2017	Chair, UKC 2017 Computer Science and Information Technology Symposium (CIT)
2015-2016	Co-Chair, UKC 2016 CIT
2014-2015	Local Chapter President Chair, KSEA Restructuring Task Force

KSEA LOCAL CHAPTER ACTIVITIES

2014-present	Executive Committee Member, Sothern California (SC) Chapter
2021-2022	Local Chair, South-Western Regional Conference
2013-2022	Chapter Organizing Committee Member, NMSC
2014-2015	Chapter President, SC Chapter
2013-2014	Chair, South-Western Regional Conference
2013-2014	Chapter Vice President, SC Chapter
2013-2014	Co-Chair, South-Western Regional Conference

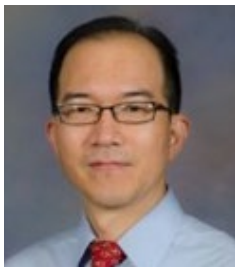
KSEA APS ACTIVITIES

2019-present	Advisor, Korean Computer Scientists and Engineers Association in America (KOCSEA)
2018-2019	President, KOCSEA
2017-2018	Chair, KOCSEA Annual Technical Symposium
2017-2018	Vice President, KOCSEA
2017-2018	Co-Chair, KOCSEA Annual Technical Symposium
2016-2017	Finance Chair, KOCSEA Annual Technical Symposium
2015-2016	Local Chair, KOCSEA Annual Technical Symposium

PROFESSIONAL/STARTUP/NPO ACTIVITIES

2022-present	CEO/Founder, Data Consultant Group LLC
2022-present	Advisor/Co-founder, Tittle.news LLC
2018-2019	Director/Co-founder, Social Data Analysis and Visualization Group (NPO)
2013-2015	CEO/Co-founder, WebIT Company

Candidates for the 52nd Vice President



Yong Kyu Yoon
Professor
Electrical and Computer Engineering
University of Florida

STATEMENT OF PURPOSE

I am honored to be nominated as a candidate for the Vice President (VP) of the 52nd KSEA administration. I have held the position of 50th and 51st Korea Evaluation Institute for Industrial Technology (KEIT) Project Director, Gainesville Florida Chapter President of KSEA between 2015 and 2019, having been a founding member of the Gainesville Florida Chapter of KSEA in 2013. These roles are a testament to my commitment to the KSEA community and my ability to lead and collaborate with others.

In addition to my professional contribution to my research field of electrical and computer engineering, an important area of my focus is workforce development. I am committed to helping the next generation of engineers and scientists develop the skills and knowledge they need to succeed in their careers. This will involve both mentoring and training programs, as well as collaboration with universities and industry partners to create innovative educational initiatives.

Finally, I am dedicated to contributing to bridging US and Korea scientific and engineering societies. Through my leadership roles within KSEA, as well as my ongoing research and collaboration with leading experts in my field, I am working to create a stronger and more connected scientific community that can tackle some of the most pressing challenges of our time including semiconductors and manufacturing. I am dedicated to reaching out to leading-edge semiconductor and electronics companies and inviting them to participate in KSEA communities, such as the UKC. The effort is aimed at promoting cross-cultural exchange and collaboration between US and Korean science and engineering societies.

I am grateful for the opportunity to run for VP and will do my best to fulfill its duties if elected. I am confident that my experience and dedication to the KSEA will make me a valuable asset as Vice President. Thank you.

EDUCATION

2004	Ph.D. in Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, GA
1999	M.S. in Electrical and Computer Engineering, New Jersey Institute of Technology, Newark, NJ
1994	M.S. in Electrical Engineering, Seoul National University, Seoul, Korea
1992	B.S. in Electrical Engineering Seoul National University, Seoul, Korea

PROFESSIONAL EXPERIENCE

2019-present	Professor, ECE, University of Florida
2017-2017	Visiting Scholar, ECE, Seoul National University
2010-2019	Associate Professor, ECE, University of Florida
2006-2010	Assistant Professor, ECE, SUNY Buffalo
2004-2006	Post-doc, ECE, Georgia Institute of Technology

KSEA ACTIVITIES

2021-present	KEIT Project Director
2022-2022	UKC KEIT Symposium Co-Chair
2021-2021	UKC KEIT Symposium Co-Chair
2020-2020	UKC EEC Symposium Chair
2018-2018	UKC EEC Symposium Co-Chair
2015-2019	Gainesville Florida Chapter President
2015-2015	KSEA Florida Regional Conference, Session Chair
2013-2013	KSEA Gainesville Florida Chapter Founding member

PROFESSIONAL ACTIVITIES

2022-present	Associate Editor, Frontiers in Antennas and Propagation, Implantable Antennas
2020-2021	RHCS Chair, IEEE ECTC Technical Program Committee
2020-2021	Vice Chair, IEEE International Microwave Symposium, Focus/Special Session
2019-2020	IEEE MEMS 2020 Technical Program Committee
2018-present	Associate Editor, IEEE TCPMT
2017-2018	Hilton Head Conference 2018, TPC
2015-present	Editor, Micro and Nano Systems Letters, Springer
2014-2016	Guest Editor, IEEE J of Biomedical and Health Informatics, Wireless Comm. & RF Tech for Implants
2014-2016	Section Editor, the Encyclopedia of Nanotechnology, Springer
2011-2011	Executive Program Sub Committee, Transducers 2011
2010-2010	IEEE Antenna and Propagation Symposium 2010, Session Chair

RESEARCH LEADERSHIP AND PUBLICATIONS

More than 260 publications in refereed journals and proceedings along with 4 book chapters, 20 patents, and 150+ invited talks/seminars at national and international institutes or companies.

AWARDS AND HONORS

2022	Faculty Excellence Award for Service, UF ECE
2021	Teacher of the Year Award, UF ECE
2017	Brain Pool Program Award from KOFST
2017	Honorary Consultant of Champion Innovation Club(2017-2020)
2017	Term Professorship Award (2017-2020)
2017	HWCOE Doctoral Dissertation Advisor/Mentoring Award
2016	Technology Innovator Award
2016	IoP Outstanding Reviewer Award
2015	Faculty Member of the Year Award, UF
2009	UB Young Investigator Award
2008	NSF CAREER Award

GRANTS AND IMPACTS

Recipient of numerous federal, state and international funds from the National Science Foundation (NSF), US Air Force Research Laboratory (AFRL), Army Research Lab (ARL), Defense Advanced Research Project Agency (DARPA), and multiple Industrial sectors, and Advisor of 15 PhD's, 30+ MS', 40+ Undergraduate Mentees.

Candidates for Auditor

Hyojin Kim

Associate Professor
Hillier College of Architecture and Design
New Jersey Institute of Technology

EDUCATION

2012	Ph.D. (Architecture) Texas A&M University
2006	M.S. (Housing & Interior Design) Yonsei University
2004	B.S. (Housing & Interior Design) Yonsei University

PROFESSIONAL EXPERIENCE

2019-present	Associate Professor, NJIT
2020-present	Director/Coordinator, HCAD Ph.D. Program, NJIT
2017-present	Guest Researcher, National Institute of Standards and Technology (NIST)
2013-2019	Assistant Professor, The Catholic University of America
2010-2013	Research Engineering Associate III, Texas A&M University
2005-2006	Visiting Researcher, University of Oregon

KSEA ACTIVITIES

2022-present	Chapter President, KSEA New Jersey
2021-2022	Executive Director, KSEA 50th Admin
2021-2022	Member, NRC Scholarship Committee
2020-2021	Finance Director, KSEA 49th Admin
2019-2020	Finance Director, UKC 2020

PROFESSIONAL ACTIVITIES

2022-present	Vice Chair, ASHRAE TC 4.7 Energy Calculations
2021-present	Chair, Guideline Project Committee (GPC) for American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Guideline 45P
2020-present	Chair, ASHRAE Technical Committee (TC) 7.6 Building Energy Performance – Research
2017-present	Voting Member, Guideline Project Committee (GPC) for ASHRAE Guideline 14: Measurement of Energy, Demand and Water Savings
2019-2020	Technical Track (Architecture) Chair for International Society of Indoor Air Quality and Climate (ISIAQ) Indoor Air 2020 Conference

RESEARCH PUBLICATIONS / PRESENTATIONS

- 44 peer-reviewed publications
- 49 technical reports
- 24 invited lectures, presentations and symposium

AWARDS AND HONORS

2022	NJIT Highlander Awards – New Student Organization of the Year Award (Role: Faculty Advisor)
2020	ASHRAE Distinguished Service Award
2018	Best Paper Award from journal Building and Environment 142:502-512 (Role: Coauthor)
2018	ASHRAE 2017 Integrated Sustainable Building Design (ISBD) Competition – 2nd Place (Role: Faculty Advisor)
2016	ASHRAE 2015 ISBD Competition – Rising Star (Role: Faculty Advisor)
2015	Catholic University In Spirit of the Mission Service Award (Role: Faculty Advisor)
2014	Catholic University Research Grant-in-Aid Award
2014	BK 21 Plus Travel Grant – Invited Summer Intensive Lecture with Distinguished Overseas Scholar at Yonsei University
2010	ASHRAE Graduate Student Grant-in-Aid Award.
2007	William W. Caudill Research Fellowship, Texas A&M University
2005	International Research Internship Award, Korea Research Foundation (KRF)

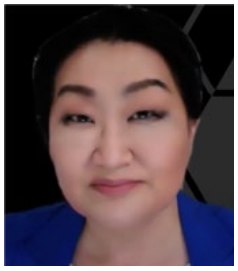
GRANTS

2019-present	U.S. Department of Energy through Oak Ridge National Laboratory (ORNL), H. Kim, P.I.
2019-2020	U.S. Department of Commerce, H. Kim, P.I.
2018-2020	U.S. Department of the Interior, H. Kim, P.I.
2018-2019	U.S. Department of Commerce, H. Kim, P.I.
2015-2016	Samsung Electronics, H. Kim, P.I.

OTHER ACTIVITIES AND SERVICE

2022-present	Member, NJIT Provost Advisory Cluster Committee for Graduate Programs
2020-present	Founder and Faculty Advisor, ASHRAE Student Chapter at NJIT
2017-2018	Chapter President of Korean-American Women in Science and Engineering (KWiSE) DC Chapter
2014-2019	Founder and Faculty Advisor, ASHRAE Student Chapter at the Catholic University of America

Candidates for Auditor



Jayoung Kim
Professor
Surgery, Biomedical Sciences
Cedars-Sinai Medical Center

PROFESSIONAL EXPERIENCE

2004-2008	Instructor, Harvard
2008-2015	Assistant Professor of Surgery, Harvard
2011-present	Professor of Medicine, UCLA
2011-present	Professor of Surgery, Cedars-Sinai Medical Center
2016-present	Adjunct Professor, Urology, Gachon Medical School

KSEA POSITION(S) HELD / KSEA HQ POSITIONS

2019-2020	KSEA 49th Admin Director Committee, Director of Public Relations
2019-2020	UKC 2020 Executive Committee
2019-2020	UKC 2020 Plenary Director
2019-2020	Member, Scholarship Committee
2020-2022	Chair, Scholarship Committee KWiSE-KOWFST Women's Forum at UKC, Chair, KWSE-KWiSE Forum
2021	US-Korea Conference (UKC) Co-Chair Nomination Committee
2022	US-Korea Conference (UKC) PR Director Chair, Women in STEM Forum at UKC 2022 Member, APS Committee 2022 US-Korea Conference (UKC) PR Director
2023	US-Korea Conference (UKC) Executive Director 2

KSEA REGIONAL AND AFFILIATED POSITIONS

2019, 2020	NMSC Organizing Committee, Southern California
2018	KSEA-KWiSE Science STEM Fair
2019	KSEA-KWiSE Science STEM Fair Committee and Chair of parent education session
2019	KSEA National Math Competition
2018-2020	KWiSE Los Angeles President
2020-2022	KWiSE HQ President (APS)

LEADERSHIP

- Program Director of the Korean World Urological Conference
- External Research Grant Reviewer, North Carolina Biotechnology Center
- External Judge UCLA-USC-Caltech Nanotechnology & Nanomedicine Symposium
- Head Judge, The Intel International Science and Engineering Fair
- Reviewer for the PRMRP Pre-IC peer review panel, Department of Defense
- Invited Grand Award Judge, 2015 At-Large BioGENEius Challenge
- Reviewer, National Cancer Institute Special Emphasis Panel/ Scientific Review Group 2016/05 ZRG1 DKUS-G (12) B
- Reviewer, Interstitial Cystitis Association Research Fund
- Reviewer, NIH Special Emphasis Panel/Scientific Review Group 2017/01 KMBD
- Reviewer, Pilot and Feasibility Studies: The Prevention of Lower Urinary Tract Symptoms Research Consortium, NIDDK
- Reviewer, 2018 UCLA CTSI KL2 grant
- Conference Chair, The 13th Korean Women in Science and Engineering (KWiSE) Westcoast Annual Conference
- Invited reviewer for research grants, Kom op tegen Kanker (Stand Up to Cancer), the Flemish Cancer Society
- Reviewer, National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel, ZDK1 GRB-T (O1), NIDDK Exploratory Centers (P20) and Interaction Core (U24) for Benign Urology
- Reviewer, 2020 The Department of Defense, Congressionally Directed Medical Research Programs Lung Cancer Research Program Concept Award - Cell and Molecular Biology (panel 2021/01 ZCA1 SRB-2 (J2) S SEP- 8: NCI Clinical and Translational R21 and Omnibus R03

RESEARCH

([1]with Grant Support; [2]Grant Pending, [3]Clinical Trial Involved, [4]Intervention/Outcome Study, [5]Medical Device Study) Validating Epigenetic and Genetic Biomarkers for Diagnosis of Bladder Pain of Interstitial Cystitis (W81XWH1910109) [1,3]

- Microbiome and Proteome as Predictive Biomarkers of UCPPS (1U01DK103260)[1,3]
- The Epidemiology of Interstitial Cystitis in a Nation-Wide Multi-Ethnic VA Cohort (1U01DP006079)[1,3]
- A Noninvasive Urine Marker of Interstitial Cystitis (W81XWH-15-1-0415)[1,3]
- OMICS Integrated Technology-based New Urine Biomarker Discovery and Clinical Application for Early Diagnosis and Treatment of Interstitial cystitis[1,3]
- Epigenetic Characterization of Predictors of Cisplatin Chemoresistance in Muscle Invasive Bladder Cancer[1,3]
- Korean Community Health Seminar[1,3]
- Southeast Center for Integrated Metabolomics (SECIM) Pilot and Feasibility Grant [1,3]
- Exercise-mediated Fatigue Relief in Breast Cancer Patients [1,3,4]
- Development of IC Biosensor and Its Clinical Potential for Diagnosis[2,3,5]
- Metabolomics Markers for Predicting Exercise-mediated Relief of Fatigue in Breast Cancer Patients[2,3,5]
- Point-of-care Portable Biosensor System for Interstitial Cystitis Diagnosis[2,3,5]
- Bladder Cancer Diagnostic Device Based on Multiplex Urinary Biomarkers[2,3,5]

PUBLICATIONS/BIBLIOGRAPHIES

More than 200 full research papers in refereed journals, conference presentations, invited talks, and patents in the areas of cancer, urology, omics research, medical device, and biomarker discovery field.

Candidate for Technical Group A-1 Councilor

Harold D. Kim
Professor
Physics
Georgia Institute of Technology

EDUCATION

2004 Ph.D. in Applied Physics, Stanford University
1997 B.S. in Physics, KAIST, Korea

PROFESSIONAL EXPERIENCE

2022-present Professor of Physics,
Georgia Institute of Technology (GT)
2016-2022 Associate Professor of Physics, GT
2010-2016 Assistant Professor of Physics, GT
2005-2009 Postdoc, Harvard University

KSEA ACTIVITIES

2022 UKC-Physics Symposium Co-Chair

PROFESSIONAL ACTIVITIES

2021-present Vice President, Association of Korean Physicists in America (AKPA)
2021-present Award Committee Chair, AKPA
2015-present Member, High School Physics Competition Committee, AKPA

RESEARCH LEADERSHIP AND PUBLICATIONS

(35 papers in peer-reviewed journals)

1. Gravina, N. M., Gumbart, J. C., & Kim, H. D. (2021). Coarse-Grained Simulations of DNA Reveal Angular Dependence of Sticky-End Binding. The Journal of Physical Chemistry B.
2. Broadwater, D. W. B., Cook, A. W., & Kim, H. D. (2021). First passage time study of DNA strand displacement. Biophysical Journal.
3. Jeong, J., & Kim, H. D. (2020). Determinants of cyclization-decyclization kinetics of short DNA with sticky ends. Nucleic Acids Research.
4. Jeong, J., & Kim, H. D. (2019). Base-Pair Mismatch Can Destabilize Small DNA Loops through Cooperative Kinking. Physical Review Letters.
5. Broadwater, D. W. B., Altman, R. B., Blanchard, S. C., & Kim, H. D. (2019). ERASE: A novel surface reconditioning strategy for single-molecule experiments. Nucleic Acids Research.

Candidate for Technical Group A-2 Councilor

Young Jong Lee
Project Leader
National Institute of Standards and Technology

EDUCATION

2001	Ph.D. in Chemistry
	Seoul National University, Korea
1996	M.S. in Chemistry
	Seoul National University, Korea
1994	B.S. in Chemistry
	Seoul National UniversitySouth Korea

PROFESSIONAL EXPERIENCE

2013-present	Project Leader, NIST
2006-2012	Guest Researcher, NIST
2002-2006	Postdoctoral Fellow, University of Texas at Austin

KSEA ACTIVITIES

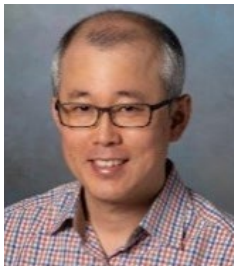
2022	UKC-CHM Symposium Chair

RESEARCH LEADERSHIP AND PUBLICATIONS

(4 US Patents, 52 papers in peer-reviewed journals, 3 book chapters, supervised 8 postdocs and 2 students)

1. S. Xu, Y. Jin, Y. J. Lee, 3D orientation imaging of polymer chains with polarization-controlled coherent Raman microscopy, J. Am. Chem. Soc. 144, 23030 (2022).
2. B. Chon, S. Xu, Y. J. Lee, Compensation of strong water absorption in infrared spectroscopy reveals the secondary structure of proteins in dilute solutions, Anal. Chem. 93, 2215 (2021).
3. C. H. Camp Jr., Y. J. Lee, J. M. Heddleston, C. M. Hartshorn, A. R. Hight Walker, J. Rich, J. Lathia, M. T. Cicerone, High-speed coherent Raman fingerprint imaging of biological tissues, Nat. Photonics 8, 627 (2014).
4. Y. J. Lee, S. L. Vega, P. J. Patel, K. A. Aamer, P. V. Moghe, M. T. Cicerone, Quantitative, label-free characterization of stem cell differentiation at the single-cell level by broadband coherent anti-Stokes Raman scattering microscopy, Tissue Eng. Part C 20, 562 (2014).).
5. Y. J. Lee, S.-J. Park, A. J. Gesquiere, P. F. Barbara, Probing a molecular interface in a functioning organic diode. Appl. Phys. Lett. 87, 051906 (2005).

Candidates for Technical Group A-3 Councilor



Jangwoon (Leo) Lee
Professor
Department of Mathematics
University of Mary Washington

PROFESSIONAL EXPERIENCE

2020-present	Professor of Applied Mathematics, University of Mary Washington (UMW)
2014-2020	Associate Professor, UMW
2014	Visiting Professor, Sogang University, Seoul, Korea
2008-2014	Assistant Professor , UMW

KSEA ACTIVITIES

2019	Mathematics, Applied Mathematics, and Statistics Symposium Chair for the US-Korea Conference 2019
2018	Chair for an Applied Mathematics Session in the US-Korea Conference on Science, Technology, and Entrepreneurship in Queens, NY, August 1-4
2015	Mathematics and Statistics Symposium Chair for the US-Korea Conference
2015	Judge for the poster presentations at the US-Korea Conference on Science, Technology, and Entrepreneurship, Atlanta, GA, July 29-August 1
2014	Co-Chair with Jaewoo Jeong (Miami University) for NMSC (National Mathematics and Science Competition), fall 2013-spring
2013	Chair for an Applied Mathematics Session in the US-Korea Conference on Science, Technology, and Entrepreneurship, East Rutherford, NJ, August 7-11
2011	Judge for the poster presentations at the US-Korea Conference on Science, Technology, and Entrepreneurship, Park City, UT, August 10-14
2010, 2014	Reviewer of exams in the 2010 and 2014 National Math and Science Competitions for Students from 4th grade to 11th grade in schools in the US & Canada

OTHER ACTIVITIES FOR KOREAN-AMERICAN COMMUNITIES

2013-present	KAMSA (Korean-American Mathematical Scientists Association) Executive Committee Member, fall
2007-2008	President, Korean Community Association in Ames, Iowa
2006-2007	President, Korean Student Association in the department of mathematics at ISU

Candidates for Technical Group A-3 Councilor

Soeun Kim
Associate Professor
Applied Statistics and Analytics
Azusa Pacific University

EDUCATION

2011 Ph.D. in Biostatistics
University of California Los Angeles
2007 M.S. in Statistics
Seoul National University, Korea
2003 B.A. Honours in Mathematics
University of Cambridge, U.K.

PROFESSIONAL EXPERIENCE

2019-present Director of Graduate Program in Applied Statistics and Analytics, Associate Professor, Applied Statistics and Analytics, Azusa Pacific University

KSEA ACTIVITIES

2020 UKC-MAS Symposium Co-Chair

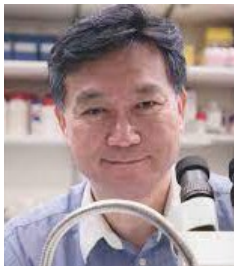
PROFESSIONAL ACTIVITIES

2018-present Associate Editor, Journal of Korean Statistical Society
2019-present Director of Graduate Program in Applied Statistics and Analytics
2022-present Chair, Program Review Committee, Azusa Pacific University

RESEARCH LEADERSHIP AND PUBLICATIONS

1. Dietiker C, Kim S, Zhang Y, Christine CW. Characterization of Vitamin B12 Supplementation and Correlation with Clinical Outcomes in a Large Longitudinal Study of Early Parkinson's Disease. Journal of Movement Disorders. 2019 May;12(2):91-96. DOI: 10.14802/jmd.18049.
2. Sharath SE., Zamani N., Kougias P., Kim S.* Missing data in surgical datasets: A review of pertinent issues and solutions. Journal of Surgical Research. 2018 Dec 232:240-246.
3. Zhang Y, Kim S*, Lin Y, Baum G, Basen-Engquist K, Swartz M. Comparisons of Imputation Methods with Application to Assess Factors Associated with Self Efficacy of Physical Activity in Breast Cancer Survivors. Communications in Statistics – Simulation and Computation. 2018 . DOI 10.1080/03610918.2018.1458132
4. Kim S, Belin TR, Sugar CA. Multiple Imputation with non-additively related variables: Joint-modeling and approximations. Statistical Methods in Medical Research 2018 Jun 27(6):1683-1694. DOI: 10.1177/0962280216667763.
5. Im, J. Kim, S*. Multiple Imputation for Nonignorable Missing Data. Journal of Korean Statistical Society. 2017; Dec:46(4). 583-592
6. Kim S, Lee W. Does McNemar's test compare the sensitivities and specificities of two diagnostic tests? Statistical Methods in Medical Research, 2017 Feb;26(1):142-154. doi: 10.1177/0962280214541852.
7. Kim SE, Sugar CA, Belin TR. Evaluating model based imputation methods for missing covariates in regression models with interactions, Statistics in Medicine, 2015. 34: 1876– 1888. DOI: 10.1002/sim.6435.
8. Bega, D., Kim, SE., Zhang, Y., Elm, J., Schneider, J., Hauser, R., Fraser, A., Simuni, T. on behalf of the NET-PD LS1 Investigators. Predictors of Functional Decline in Early Parkinson's Disease: NET-PD LS1 Cohort, Journal of Parkinson's disease, 2015; 5(4) :773-82. DOI: 10.3233/JPD-150668.

Candidates for Technical Group B-1 Councilor



Donghoon Yoon
Associate Professor
Department of Internal Medicine
The University of Arkansas for Medical Sciences

EDUCATION

2004	Ph.D., Univ. of Texas MD Anderson Cancer Center (Immunology)
1997	M.Ag. Auburn University (Repro. Physio.)
1990	B.S. SungKyunKwan Univ. (Genetic Eng.)

PROFESSIONAL EXPERIENCE

2022-present	Associate Professor, UAMS
2013-2022	Assistant Professor, UAMS
2007-2012	Assistant Professor, University of Utah

KSEA ACTIVITIES

2021-2023	Auditor
2018-2019	Executive Director / R&D Director
2014-2017	Membership Director
2013-2014	Chapter President, Arkansas
2012-2013	Chapter President, Utah
2011	UKC Organization Committee

PROFESSIONAL ACTIVITIES

2010-present	Editorial Board Member, Genes and Genomics
2013-present	External Review Board Member Czech Health Research Council
1998-present	Member, American Society of Hematology
2015-present	Member, American Association for Cancer Research
2016-present	Member, American Society of Bone and Mineral Research

RESEARCH PUBLICATIONS/PRESENTATIONS

1. Mehdi SH, Morris CA, Lee JA, and D Yoon, 2021, "*An Improved Animal Model of Multiple Myeloma Bone Disease*," Cancers, 13 (17), 4277; https://doi.org/10.3390/ cancers13174277, PMID: 34503090
2. Mehdi SH, Nafees S, Mehdi SJ, Morris CA, Mansouri L, Yoon D, 2021, "*Animal Model of Multiple Myeloma Bone Disease*," Frontiers in Genetics, 12, 640954; DOI: 10.3389/fgene.2021.640954. PMID: 34163520
3. Bennink LL, Li Y, Kim B, Shin IJ, San BH, Zangari M, Yoon D, Yu SM, 2018, "*Visualizing collagen proteolysis by peptide hybridization: From 3D cell culture to in vivo imaging*," Biomaterials, 183:67-76 DOI: 10.1016/j.biomaterials.2018.08.039.
4. Zangari M, Yoo H, Shin I, Kim B, Edmonson R, Morgan GJ, Suva LJ, and D Yoon, 2018, "*Thymus-Derived Parathyroid Hormone Secretion Increases after Parathyroidectomy in C57BL6/KaLwRij mouse*", Endocrinology, 159(4): 1561-69.
5. V Divoky, Song J, Harvathova M, Kralova B, Votava H, Prchal JT and Yoon D, 2016 "*Delayed hemoglobin switching and perinatal neocytolysis in mice with gain-of-function erythropoietin receptor*", J Mol. Med., 94(5): 597-608 DOI: 10.1007/s00109-015-1375-y, PMID: 26706855.
6. Song J*, Yoon D*, Christensen R, Thiagarajan P, and Prchal JT, 2015, "*HIF-mediated increased ROS from reduced mitophagy and decreased catalase causes neocytolysis*," *Both authors contributed equally to this work, J Mol. Med., 93(8): 857-66; DOI: 10.1007/s00109-015-1294-y, PMID: 26017143
7. Lee H, Maeng K, Dang H, Kang K, Jung JH, Kang H, Prchal JT, Yoo E, and D Yoon, 2011, "*Methyl dehydro-jasmonate has anti-inflammatory effect cells and its molecular targets miR-155 and NF-κB pathway against LPS stimulation on RAW264.7*." Journal of Molecular Medicine, 89:83-90, PMID: 20953575
8. Yoon D, Ponka P, and Prchal JT, 2011, "*Hypoxia and Hematopoiesis*", Am J Physiol Cell Physiol. 300(6): C1215-22, PMID: 21273266

AWARDS AND HONORS

2008	NIDDK EPOR Workshop Award
2006	Amgen Research Fellowship Award
2005	ASH Merit Award
2000	Golf Scholarship Award
2000 & 2001	Korean Educational Scholarship Award from KCPC of Houston
1998–2004	Smith Fellowship Award from MD Anderson Cancer Center

GRANTS

2020-2026	CBHI Investigator-Initiated Project
2022-2025	DOD Idea Award
2019-2023	NIH/NIGMS P20 GM125503
2019-2021	NIH/CMIP 1R21 OD026618
2017-2019	Novartis Investigator Initiating Grant
2015-2018	US Food And Drug Administration
2009-2013	Veterans Affairs Merit Review Award
2006-2010	Amgen Investigator Initiating Grant

Candidates for Technical Group B-1 Councilor

Soojin Yoo
Associate Professor
Health and Human Performance
University of Texas, Rio Grande Valley

EDUCATION

2009	Ph.D. in Sport Pedagogy University of Nevada, Las Vegas, NV, U.S.A.
1997	M.S. in Exercise Physiology Ewha Womans University, Seoul, Korea
1993	B.S. in Exercise Science Ewha Womans University, Seoul, South Korea

PROFESSIONAL EXPERIENCE

2018-present	Associate Professor, Health and Human Performance, University of Texas, Rio Grande Valley
2012-2018	Assistant Professor, Health and Human Performance, University of Texas, Rio Grande Valley
2011-2009	Assistant Professor, Exercise Science University of Wisconsin, La Crosse
2002-2005	Exercise Program Director, Port St. Lucie, FL & Seoul, Korea
1995-2002	Clinical Exercise Physiologist/Clinical Exercise Program Director, Dept. of Physical Medicine and Rehabilitation, Samsung Medical Center, Seoul, Korea

KSEA ACTIVITIES

2020-present	KSEA-Texas Costal Bend Chapter President
2022 UKC	MPS Technical Group Session Co-Chair

PROFESSIONAL ACTIVITIES AND HONORS

2020-2021	President, International Organization for Health, Sports and Kinesiology
2020-present	Associate Editor, Journal of Health, Sports, and Kinesiology
2015-2020	Treasurer, Western Society for Kinesiology and Wellness
2022	U.S. President's Volunteer Service Award (Silver medal)
2022	Mid-Career Development Fellowship, University of Texas, Rio Grande Valley, College of Health Professions
2022	Faculty Excellence in Professional Service, University of Texas, Rio Grande Valley, College of Health Professions
2021	National Leadership Award, University of Texas, Rio Grande Valley, College of Health Professions
2020	Faculty Excellence in Professional Service, University of Texas, Rio Grande Valley, College of Health Professions
2017	Research Fellowship, the University of Texas Rio Grande Valley, College of Health Affairs
2016	Excellent Research Paper Award, Asian Society for Adapted Physical Education Annual Conference
2015	Presidential Research Award, The Western Society of Wellness and Kinesiology

RESEARCH LEADERSHIP AND PUBLICATIONS (SELECTED)

08/2019-01/2019	Korea Ministry of Health and Welfare, Developing Scopes and Quality Evaluation Criteria of Health Information Advertising in Korea, Co-PI.
01/2017-01/2020	Korea Research Foundation, The Effect of Hippo-Therapy on Cardiopulmonary Function, Cognition and Physical Activity Behavior in Children and Adolescents with Cerebral Palsy, Co-PI.
12/2016-03/2017	Creative University Korea- Government, Global Leadership Winter Program on Addictive Behavior Rehabilitation and Health Promotion in the U.S. Co-PI.
05/2017-08/2017	Creative University Korea- Government, Global Leadership Program on Addictive Behavior Rehabilitation and Health Promotion in the U.S., Co-PI.
02/2022-08/2023	UTRGV- College of Health Professions Mid-Career Development Fellowship Project, PI
09/2022-08/2023	UTRGV- Internal Grant Project, Bonding Outcomes for Fathers with Children with Autism Spectrum Disorder Via Integrated Expressive Art-Physical Activity (IEAP) Program, Co-PI
09/2021-05/2023	Meadow Foundation, The Student Health and Success Initiative (SHASI) in South Texas, Co-PI

Candidates for Technical Group B-2 Councilor

Si Hong Park
Assistant Professor
Department of Food Science and Technology
Oregon State University

EDUCATION

2013	Ph.D. in Cellular and Molecular Biology Program, University of Arkansas, USA
2006	M.S. in Food Science and Biotechnology, Kyung Hee University, Korea
2004	B.S. in Food Science and Biotechnology Kyung Hee University, Korea

PROFESSIONAL EXPERIENCE

2017-present	Assistant Professor, Oregon State University
2013-2017	Post-doctoral associate, University of Arkansas
2009-2013	Graduate research assistant, University of Arkansas
2006-2008	Researcher, TaeKyung Nongsan R&D center, Nongshim group

KSEA ACTIVITIES

2020	Oral presenter at UKC, virtual
2018	Recipient for Young Investigator Grant (YIG)
2018	Oral presenter at UKC Queens, NY
2014	Participant for the Professional Development Workshop Chicago, IL

PROFESSIONAL ACTIVITIES

2019-present	Associate editor in BMC Microbiology and Frontiers in Microbiology
2018-present	Academic editor in PLoS ONE
2018-present	Vice-president (2023), Korean-American Food Technologists Association (KAFTA), APS of KSEA
2006-2008	Researcher (TaeKyung Nongsan R&D center, Nongshim group)

AWARDS AND HONORS

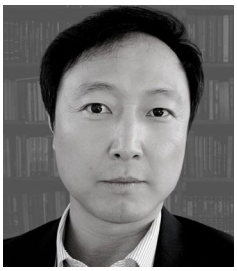
2022	Scholarly Achievement Award, Korea Society of Food Science and Technology (KoSFoST)
2021	James and Mildred Oldfield/E.R. Jackman Team Award, Oregon State University (OSU)
2020	Larry Beuchat Young Researcher Award, International Association for Food Protection (IAFP)
2019	Distinguished New Professor of the Year from the Agricultural Executive Council, OSU

PUBLICATIONS

(110 peer-reviewed papers, 2 book editors, and 9 book chapters)

1. Byun, K.H., Han, S.H., Choi, M.W., Kim, B.H., Park, S.H., Ha, S.D. Biofilm eradication ability of phage cocktail against Listeria monocytogenes biofilms formed on food contact materials and effect on virulence related genes and biofilm structure. Food Research International, 157: 111367, 2022
2. Sofi Uddin Mahamud, A.G.M., Nahar, S. Ashrafudoulla. M., Park, S.H., Ha, S.D. Insights into antibiofilm mechanisms of phytochemicals: Prospects in the food industry, Critical Reviews in Food Science and Nutrition, 2022
3. Hanlon, M., Choi, J.M., Goddik, L., Park, S.H. Microbial and chemical composition analyses of Cheddar cheese supplemented with prebiotics from raw milk to aging. Journal of Dairy Science, 105:2058-2068, 2022
4. Mevo, S.I.U., Ashrafudoulla, M., Mizan, M.F., Park, S.H., Ha, S.D. Promising strategies to control persistent enemies: new technologies to combat biofilm in the food industry-a review, Comprehensive Reviews in Food Science and Food Safety, 20(6):5938-5964, 2021
5. Lee, S.I., Choi, J.M., Hong, H.H., Nam, J.H., Strik, B., Davis, A., Cho, Y., Ha, S.D., Park, S.H. Investigation of soil microbiome under the influence of different mulching treatments in northern highbush blueberry, AMB Express, 11:134, 2021
6. Nam, J.H., Cho, Y.S., Rackerby, B., Goddik, L., Park, S.H. Shifts of microbiota during cheese production: impact on production and quality. Applied Microbiology and Biotechnology, 105(6): 2307-2318, 2021
7. Rackerby, B., Kim, H.J., Dallas, D., Park, S.H. Understanding the effects of dietary components on the gut microbiome and human health. Food Science and Biotechnology, 29: 1463-1474, 2020
8. Lee, S., Mir, R.A., Park, S.H., Kim, D., Kim, H.Y., Boughton, R.K., Morris, J.G., Jeong, K.C. Prevalence of extended-spectrum β-lactamases in the local farm environment and livestock: challenges to mitigate antimicrobial resistance, Critical Reviews in Microbiology, 46: 1-14, 2020

Candidates for Technical Group B-2 Councilor



Sung Woo Kim
Professor
Department of Animal Science
North Carolina State University

EDUCATION

1999-2000	Postdoc. Animal Science / Nutrition, University of IL at Urbana-Champaign
1995-1999	Ph.D. Animal Sci / Nutrition, University of IL at Urbana-Champaign
1993-1995	M.S. Animal Science, Seoul National University
1989-1993	B.S. Animal Science, Seoul National University

PROFESSIONAL EXPERIENCE

2019-present	Distinguished Professor, Professorship for Senior International Scientist. Shanxi Ag Univ, China
2019-2020	Senior Vice President, CJ BIO (during faculty leave)
2012-present	Professor (Nutrition, Physiology, Biotechnology Programs), North Carolina State Univ
2007-2012	Associate Professor (Nutrition, Physiology, Biotechnology Programs), North Carolina State Univ
2006-present	Adjunct Professor, China Agricultural University (Beijing, China)
2004-present	Adjunct Professor, Texas A&M University (College Station)
2001-2007	Assistant/Associate Professor (Animal and Food Sciences), Texas Tech University

PUBLICATIONS

226 Peer reviewed papers in journals, 75 conference proceedings, 22 book chapters, 282 research abstract
Citation: +18,000, H-index 72, i-10 index: 182 (https://scholar.google.com/citations?user=8Ggj0MwAAAAJ&hl=en)

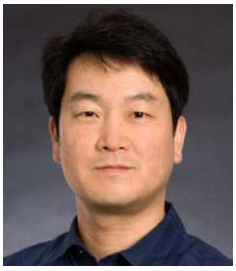
AWARDS AND HONORS (SELECTED, 2008-PRESENT)

2014-present	Senior Invited Professorship. Chinese Academy of Science
2018-present	Associate Editor, Journal of Animal Science and Biotechnology
2014-present	Associate Editor. Animal Nutrition
2013-present	University Faculty Scholar. Office of Chancellor, North Carolina State University
2010-2019	Division Editor, Section Editor, Associate Editor. Journal of Animal Science
2006-2012	Honorary Scientist. Rural Development Administration, Ministry of Agriculture, Korea
2010	Vernon R. Young International Award for Amino Acid Research. American Society for Nutrition
2008	Outstanding Research Award. Asian-Australasian Association of Animal Production Societies
2008	Early Career Achievement Award. American Society of Animal Science

KSEA EXPERIENCE

2018-2021	Auditor (47th to 50th Administration)
2017	Executive Director, UKC 2017, Washing DC
2015-2016	Vice President (44th Administration)
2015	Program Chair, UKC 2015 Atlanta
2014-2017	Technical Group E Councilor
2013-2014	Chair, Scholarship Committee
2012-2013	Executive Director, 41st Admin
2011-2014	Chapter President, North Carolina
2011-2014	Scholarship Committee
2010-2014	Co-Chair, FAP/FAN Symposium, UKC2014 /2013 /2012 /2011 /2010
2010-2011	Publication Director, 39th Administration
2009-2010	Membership Director, 38th Administration
2009	Co-Chair, Local Arrangement Committee, UKC 2009

Candidates for Technical Group C-2 Councilor



Seung Ihl Kam

Donald W. and Gayle A. Keller Distinguished Professor
Craft & Hawkins Department of Petroleum Engineering
Louisiana State University

EDUCATION

1998	Ph.D., Petroleum & Geosystems Engineering The University of Texas at Austin
1994/1992	MS/BS: Energy and Resources Engineering (에너지자원공학과 88; 석유공학전공) Seoul National University

PROFESSIONAL EXPERIENCE

2017-present	Professor of the Department of Petroleum Engineering (PETE); Louisiana State University (LSU)
2012-2017	Associate Professor of PETE, LSU
2006-2012	Assistant Professor of PETE, LSU
2002-2006	Lecturer B of Australian School of Petroleum, University of Adelaide
2002-2003	Visiting Senior Research Scientist, Santos Inc.
1999-2002	Post-doc, Center for Petroleum Engineering, University of Texas at Austin

KSEA ACTIVITIES

2013-present	Member of KSEA/KOEA

PROFESSIONAL ACTIVITIES AND HONORS

2021-present	College P&T Committee; Department P&T Chair
2017, 2022	On-site Military Program Review (Ft. Lee)
2017-present	Various search committee activities (many as a leader)
2017-present	Graduate Advisor
2013-2014	Adjunct, POSTECH (GEM: Subsea Dev. Systems)
2012-2013	Associate Editor, JPSE
2011-2016	ABET coordinator
2011-2016	SACS Accreditation coordinator
2011-2012	Associate Editor, JERT
2009-present	Seminar/short courses for Korean companies, National Labs
2007-present	Editorial board member, SPEREE (Associate Editor)
2006-2012	Adjunct, University of Adelaide (EOR program)
2006-present	Board member, SPE ATCE (Organizing Committee)
2006-present	Session Chairing, SPE ATCE (except for 2012, 2018)

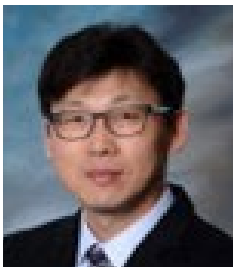
HONORS / RECOGNITIONS

2020	Longwell Award, Instructor Excellence
2020	Longwell Teaching Award, LSU (1)
2017, 2023	Clayton Outstanding Research Mentor Award, LSU
2019	K-TAG member (K. Government)
2018	Award of Achievement, SPE
2018	Elite 25-Year Club, SPE
2018	SPE HSE Featured paper
2017	Longwell Teaching Award, LSU (2)
2014	Athletic Foundation LSU Award
2013	"*Global Talent*" (SK Innovation)
2013	Bassiouni Teaching Award, LSU PETE
2013	One Petro Top 5 Downloads
2012	Flagship Faculty member, LSU Today
2011	Int'al Paper Contest Winner (student)
2010	Most cited papers, JPSE
2010	LSU Teaching Excellence

RESEARCH COLLABORATORS

1. Energy Transition, CCUS and CO2 EOR Government (DOE, PNNL, Louisiana/Texas State, BOEM/BSEE; CO2CRC & Geothermal (Australia); Colombia etc.) Company (Chevron, Schlumberger, Haliburton, Oxy, Santos, ExxonMobil, Shell, Blackhorse; SK Innovation etc.)
2. Offshore and Subsea (DSME, HHI, SHI, KIGAM, KOSORI, KITECH; SNU, PNU, POSTECH, KAIST, etc.)
3. Subsurface Aquifer/Soil Environments (PNNL/Hanford; KRCC and RRI)

Candidates for Technical Group C-2 Councilor



Hyun-Tae Hwang
Associate Professor
Chemical and Materials Engineering
University of Kentucky

EDUCATION

2009	Ph.D. in Chemical Engineering University of Southern California
2001	M.S. in Chemical Engineering Korea University, Korea
1999	B.S. in Chemical Engineering Korea University, Korea

PROFESSIONAL EXPERIENCE

2021-present	Associate Professor of Chemical and Materials Engineering , University of Kentucky
2015-2021	Assistant Professor of Chemical and Materials Engineering, University of Kentucky

PROFESSIONAL ACTIVITIES AND HONORS

2017-present	Executive Committee of Environmental Division of American Institute of Chemical Engineers (AIChE)
2020-present	Executive Committee of Transport and Energy Processes Division of AIChE
2023-present	Vice Chair of KIChE (Korean Institute of Chemical Engineers) – US Chapter
2015-present	Executive Committee of KIChE – US Chapter

RESEARCH LEADERSHIP AND PUBLICATIONS

(6 US patents, 2 international patents, 35 papers in peer-reviewed journals, 1 book chapter)

1. Ly, H.V., Lee, B., Sim, J.W., Tran, Q.K., Kim, S.S., Kim, J., Brigljević, B., Hwang, H.T. and Lim, H., 2022. Catalytic pyrolysis of spent coffee waste for upgrading sustainable bio-oil in a bubbling fluidized-bed reactor: Experimental and techno-economic analysis. Chemical Engineering Journal, 427, p.130956.
2. Kim, G.J. and Hwang, H.T., 2021. Thermal hydrolysis of solid-state sodium borohydride for noncatalytic hydrogen generation. Chemical Engineering Journal, 424, p.130445.
3. Kim, G.J., Ausenbaugh, J.T. and Hwang, H.T., 2021. Effect of TiO2 on the Performance of Mn/Na2WO4 Catalysts in Oxidative Coupling of Methane. Industrial & Engineering Chemistry Research, 60(10), pp.3914-3921.
4. Hwang, H.T. and Varma, A., 2014. Hydrogen storage for fuel cell vehicles. Current Opinion in Chemical Engineering, 5, pp.42-48.
5. Hwang, H.T., Qi, F., Yuan, C., Zhao, X., Ramkrishna, D., Liu, D. and Varma, A., 2014. Lipase-catalyzed process for biodiesel production: Protein engineering and lipase production. Biotechnology and Bioengineering, 111(4), pp.639-653.

Candidates for Technical Group C-3 Councilor

Eon Soo Lee

Associate Professor
Mechanical and Industrial Engineering
New Jersey Institute of Technology

EDUCATION

2007	Ph.D. in Mechanical Engineering Stanford University
2004	M.S. in Mechanical Engineering Stanford University
1999	B.S. in Mechanical Engineering Yonsei University

PROFESSIONAL EXPERIENCE

2019-present	Associate Professor with Tenure New Jersey Institute of Technology
2013-2019	Assistant Professor-Tenure Track New Jersey Institute of Technology
2012-2013	Principal Research Engineer Samsung ElectroMechanics, Suwon, Korea
2010-2012	Project Group Leader Samsung ElectroMechanics, Suwon, Korea
2007-2012	Senior Research Engineer Samsung ElectroMechanics, Suwon, Korea
1999-2001	Engineer Hyundai Heavy Industries, Ulsan, Korea

RESEARCH AREAS

Graphene-based electrochemical catalysts, fuel cells, batteries, electrochemical systems; Microfluidic biosensors, electrochemical sensors, biomedical devices

KSEA ACTIVITIES

2015-present	Member, NY Metro Chapter Council
2023	Chair, UKC2023-MAN Symposium
2021-2022	Chair, KSEA Scholarship Committee
2019-2021	Member, KSEA Scholarship Committee
2018	Chair, UKC2018-MAN Symposium
2018	Chair, UKC2018-MAN NanoEng Session
2017	Chair, 26th Northeast Regional Conference
2016-2017	President, KSEA NY Metro Chapter
2016	Chair, KSEA-KMSO

PROFESSIONAL ACTIVITIES

2022-present	Committee Member, NJIT Provost Advisory Committee, PAC-3: Faculty Affairs
2020-present	Editorial Board Member, IEEE Journal of Translational Engineering in Health and Medicine
2020-present	Senior Member (elected), National Academy of Inventors (NAI)
2017-present	Full Member, Sigma Xi: The Scientific Research Honor Society
2017-present	Committee Member, NJIT IP Committee
2015-present	Co-Leader, NJIT Water-Energy Nexus Focus Group
2015-present	Member, York Center Advisory Board, NJIT
2014-present	Committee Member, Research and Strategic Planning Committee, ME, NJIT
2021-2022	Guest Editor, Special Issue "*Emerging Micro and Nano Technologies in Advanced Point of Care (POC) Innovations*" in Micromachines
2016-2020	Faculty Search Committee Member, Mechanical Engineering (multiple years)
2017	Track Organizer, Track 3-3 PAFC, MCFC and SOFC, 15th ASME Fuel Cell Science, Engineering and Technology, Charlotte, NC (June 26 – 30, 2017)
2016	Session Organizer and Chair, Fuel Cell Symposium, 251st ACS National Meeting & Exposition, March 13-17, 2016, San Diego, California
2014	Organizer, Design for PEM Fuel Cells, 2014 ASME Energy Sustainability and Fuel Cell Science, Engineering and Technology (ESFuelCell 2014), Boston, MA (June 29, 2014-July 02, 2014)

PUBLICATIONS AND PATENTS

1. 30 peer-reviewed journal papers, with 20 as the corresponding author
2. 50+ conference papers and presentations
3. 30+ invited talks and lectures
4. 13 US Patents Granted, 25 Korea Patents Granted
5. 28 US Patents Publications and Applications

AWARDS AND HONORS

2022	NJIT Technology Innovation Translation and Acceleration (TITA) Award
2020	Senior Member (elected), National Academy of Inventors
2018	Listed in Vanguard: Leaders in Higher Education in NJ, by NJBIZ
2017	New Jersey Health Foundation Innovation Award
2017	NIH/IEEE-EMBS Best Design Award 2017, Healthcare Innovation and Point-of-Care Technologies (HI-POCT) 2017 Conference at NIH (Bethesda, MD, Nov 2017)
2017	Defense Innovation Award, Defense Innovation Technology Acceleration Challenges and SBIR/STTR Innovation Summit (Tampa, FL, Oct 2017)
2017	TechConnect National Innovation Award 2017, TechConnect World Innovation Conference & Expo. and National Innovation Summit (Washington, DC, May 2017)
2011	Samsung Technology Award, Samsung Electro-Mechanics. (December 2011)
1993-1998	LG Yonam Scholarship, LG Yonam Foundation
1992	Yonsei Scholarship, Yonsei University, Seoul, Korea

Candidates for Technical Group C-3 Councilor

Sangkee Min
Associate Professor
Mechanical Engineering
University of Wisconsin-Madison

EDUCATION

2001	Ph.D. in Mechanical Engineering University of California at Berkeley
1993	M.S. in Mechanical Engineering Yonsei University, South Korea
1991	B.S. in Mechanical Engineering Yonsei University, South Korea

PROFESSIONAL EXPERIENCE

2021-present	Associate Professor, Mechanical Engineering
2015-2021	Assistant Professor, Mechanical Engineering
2012-2015	Mechanical Staff Scientist, Engineering Division
2009-2011	Team Leader, Precision Part Process Center
2005-2009	Associate Director, LMAS
2004-2005	Special COE Professor, Science and Technology
2002-2004	Postdoctoral Resercher, LMAS

KSEA ACTIVITIES

2013-2015	Found Berkeley Chapter and served as a Chapter President

PROFESSIONAL ACTIVITIES

2010-present	IJPEM (International Journal for Precision Engineering and Manufacturing), Editorial Board
2013-2021	IJPEM-GT (International Journal for Precision Engineering and Manufacturing-Green Technology), Senior Editor
2022-present	IJPEM-ST (International Journal for Precision Engineering and Manufacturing-Smart Technology), Senior Editor
2018-present	Journal of Nanotechnology & Precision Engineering, Editorial Board
2017-present	NAMRI/SME, Scientific Committee Member
2014-2017	ASME Journals of Micro- and Nano-Manufacturing, Associate Editor
2015-2021	PRESM, Publication Committee
2022-present	PRESM, Co-Chair of Technical Committee
2022-present	ICMTE, Advisory Committee
2009-present	CIRP (The International Academy for Production Engineering), Associate member
2005-present	ASPE (American Society of Precision Engineers), Member
2009-present	JSPE (Japan Society of Precision Engineers), Member
2015-present	SME (Society of Manufacturing Engineers), Member
2015-present	ASME (American Society of Mechanical Engineers), Member
2013-present	KSPE (Korean Society for Precision Engineers), International Board Member, Editorial Board

RESEARCH LEADERSHIP AND PUBLICATIONS

(46 papers in peer-reviewed journals, 3 book chapters)

1. T Suk Bum Kwon and Sangkee Min*, "*Characteristics of force generation on C-, R-, A- and M- planes of single-crystal sapphire during ultra-precision machining,*" Manufacturing Letters, Vol. 33 Supplement, pp.349-356, September 16, 2022.
2. Zhicheng Xu, Vignesh Selvaraj, and Sangkee Min*, "*State Identification of a 5-Axis Ultra-Precision CNC Machine Tool using Energy Consumption Data Assisted by Multi-Output Densely Connected 1D-CNN Model*," Journal of Intelligent Manufacturing, Published online October 15, 2022.
3. Hae-Sung Yoon, Suk Bum Kwon, Ji-Hwan Kim, Sung-Hoon Ahn, and Sangkee Min*, "*Effects of Surface Coating Materials on Cutting Forces and Ductile-to-Brittle Transition in Orthogonal Cutting of Monocrystalline Sapphire*," Journal of Manufacturing Processes, Vol. 84, pp.375-382, 2022.
4. Aditya Nagaraj and Sangkee Min*, "*Effect of Crystallography on Residual Stresses during Ultra-Precision Machining of Sapphire*," CIRP Annals, Vol. 71, No. 1, pp.101-104 (Published online April 26), 2022.
5. Sangjin Maeng, Hiroaki Ito, Yasuhiro Kakinuma*, and Sangkee Min*, "*Study on Cutting Force and Tool Wear in Machining of Die Materials with Textured PCD Tools under Ultrasonic Elliptical Vibration*," International Journal of Precision Engineering and Manufacturing-Green Technology, Published online February 1, 2022.

Candidates for YG Representative

Jonathan Young Kim

Data Science Software Architect
CSX Technology

EDUCATION

Master of Science in Analytics
Georgia Institute of Technology

Bachelor of Science in Computer Science
University of Virginia

PROFESSIONAL EXPERIENCE

CSX Technology Technology company supporting CSX Transportation, a leading supplier of rail-based freight transportation in the East Coast

Jan 2022 -present	Data Science Software Architect
Aug 2017-Jan 2022	Software Engineer
Jul 2015-Jul 2017	Software Developer

KSEA ACTIVITIES

Young Generation Committee
12 KSEA members elected by the KSEA Council to support the national student and early-career membership of KSEA

Aug 2022-present	Committee Chair
Aug 2019-present	Committee Member

Directors Committee
KSEA Leadership that meet monthly, attend Council Meetings, and focus on various national-level projects and tasks

Jun 2022-present	Next Generation Director
Jun 2018-Jun 2022	Publication Director

US-Korea Conference
The annual conference jointly organized by KSEA, KOFST, and KUSCO

Jan 2022-Aug 2022	UKC Program Co-Chair
Jan 2020-Aug 2022	YG/PF & FIRE Symposium Advisor
Jan 2019-Aug 2019	YG/Professional Forum Chair

Young Generation Technical and Leadership Conference
A national-level annual conference focused on the student and early-career membership of KSEA

May 2014-Jan 2018	Ygnite (YGTLC) Organizer
Jan 2016-Feb 2017	Ygnite (YGTLC) Co-Chair

University of Virginia YG Group
KSEA undergraduate and graduate student group at UVA

Aug 2014-May 2015	YG Group President
Aug 2011-May 2015	YG Group Executive Committee

HONORS

2022	KSEA Next Generation Sustainability Award Recognized for my contributions to growth and longevity of KSEA
2022	President's Volunteer Service Award: Gold Logged over 500 volunteer service hours during the 50th Admin Year
2021	KSEA Outstanding Service and Contributions Recognized for my contributions to the KSEA 50th Anniversary History Book
	Ygnite 2019 Lightning Talk: 1st Prize Winner First prize for a brief presentation on the topic of career development

Candidates for YG Representative

Ryuhwa Stella Kim

Senior Technical Program Development Manager
Data SC, Inc.

EDUCATION

2016 Master of Science in Electrical Engineering
University of Southern California, Los Angeles
2012 Bachelor of Science in Electrical and Computer Engineering
Seoul National University of Science and Technology, Seoul, Korea

RESEARCH AREAS

Machine Leaning and Deep Learning for Software Platform Development

KSEA ACTIVITIES

2022-present	General Director, 51th Administration
2022-present	YG Councilor
2022	UKC Producing Director, 50th Administration
2021	Young Professional Director, 49th Administration
2020-present	YGTLC Conference Adviser
2020	Young Generation Director, 48th Administration
2020	YGTLC Conference Chair
2020	NMSC Organizer Volunteer (Southern California)
2019-2022	YG Committee Member
2019	YGTLC Conference Co-Chair
2018	UKC Conference Organizer
2018	Publication Director, 47th Administration
2017	Publication Director, 46th Administration
2016-2018	YGTLC Conference Organizer

PROFESSIONAL EXPERIENCE

2023-present	Head of Technical Business Development SPI, Inc, Los Angeles, and Seattle (multi location)
2022-present	Senior Technical Program Manager Data SC, Inc, Los Angeles, and Chicago (multi location)
2022-present	Board of Directors RHEDU, Inc, Seoul, Korea
2020-2022	Technical Program Manager, Data Research Center Data SC, Inc, Los Angeles
2018-2022	Chief Executive Officer, Founder RHEDU, Inc, Seoul, Korea
2017-2020	Software Development Engineer, Cloud Data Platform Department Data SC, Inc, Los Angeles
2011-2016	Chief Technology Officer, Co-Founder Jyhum Solution, Inc, Seoul, Korea

KSEA AWARDS

2020 KSEA YG leadership award