



AKCSE

캐나다한인과학기술자협회

The Association of Korean-Canadian Scientists and Engineers

발행인: 김성환, 제작팀: 김근수, 조해나, Regina Lee, 정현중

President's Message



안녕하세요? 작년 11월부터 준비를 시작한 2023 한-캐 과학기술대회 (CKC2023)가 지난 7월 17일부터 21일까지 오타와에서 성공적으로 개최되었습니다. 특히 올해 CKC에서는 많은 새로운 기관들이 참석하여 유익하고 풍성한 세션들이 많이 개최되었습니다. 이런 성공 뒤에 헌신적으로 수고하신 협회 부회장님들, 이사님들, 사무장님 및 선임행정원님, NCR 지부장님 및 봉사자님들이 있었음을 기억하며 진심으로 감사드립니다. CKC2023 설문지 작성을 마친 분들에게는 조만간 행사 사진을 공유할 예정이니 기대해주세요. 또한 CKC에 참석하지 못한 일반 회원님들을 위해 이번호에는 CKC2023 사진을 최대한 많이 포함하려 합니다.

한편 지난 7월26일 저희 협회는 한국에너지공과대학교(KENTECH)와 에너지 분야 연구 협력, 기술역량 공유, 에너지 기술 분야 국제 협력 도모를 위한 업무협약을 체결했습니다. 한국에 있는 역량있는 대학교와도 활발한 교류 및 협력이 앞으로 일어나기를 기대합니다. 그리고 저는 8월 9일에서 11일까지 한국전기연구원, 부산시와 함께하는 창원/부산지역 중소중견기업 애로기술

컨설팅을 위해 협회 회원분들 5명과 함께 창원과 부산에 다녀왔습니다. 다들 협회 용역과제 수행을 위해 열심히 수고해주셔서 감사드립니다.

Message from our Volunteers!

CKC2023 was an experience that all the volunteers will agree was an extraordinary opportunity. All the volunteers played an active role in contributing to the successful completion of the conference and displayed exceptional teamwork as well as attention to detail. Dan Kang, the local chapter president, also played an enormous role in supporting the volunteers and planning the event. I'd like to thank the volunteers once again for all their effort and time they spent on the event.



Highlights from CKC2023



Korean-Canadian Science Scholarship Foundation Awards



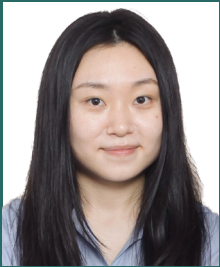
SK Scholarship in Life Sciences
SK 그룹 장학금

Nia Kang 강승혜
McGill University
PhD in Family Medicine



Goryeo Medical Foundation
Scholarship in Life Sciences
의료법인 고려의료재단 장학금

Christoff-Johan Lee 이요한
University of Calgary
B.Sc. Kinesiology



Green Cross Scholarship
(재)목암과학장학재단 (녹십자)

Sungeun Song 송성은
Université de Sherbrooke
MSc Student in Michelle Scott Lab
RNA Bioinformatics



CS WIND Scholarship

Sumin Han
University of Alberta
PhD in Chemical and Materials Engineering



KOGAS Canada Energy Ltd.
Scholarship

Haesung Ahn
University of Windsor
PhD in Transportation Engineering



Hana Bank Canada Scholarship
캐나다 하나은행 장학금

YeonJae (Rose) Oh 오연재
Queen's University
Health Sciences



Min Dong Yun Scholarship
민동연 장학금

Junseo Kim 김준서
Toronto Metropolitan University
BEng in Mechanical Engineering with
Mechatronics Option



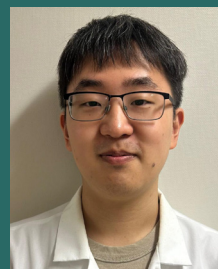
KONA Scholarship
온타리오 한인 간호사 협회 장학금

Hyojin Kim 김효진
Princess Margaret Cancer Centre
Clinical Externship



KCSSF Scholarship
캐나다한인과학장학재단 장학금

Jennifer Yi 이서현
University of British Columbia
Faculty of Medicine



KCSSF Scholarship
캐나다한인과학장학재단 장학금

David (Panjae) Lee 이판재
University of Alberta
BSc in Pharmacology



KCSSF Scholarship
캐나다한인과학장학재단 장학금

Hyunwoong (Harry) Chae 채현웅
University of British Columbia
Doctor of Medicine



KCSSF Scholarship
캐나다한인과학장학재단 장학금

Esther Yoojeoung Choi 최유정
University of Western Ontario
MSc Student in Neuroscience (Khokhar Lab)

YGP Corner: Summer 2023

Young Generation Forum and Young Professional Forum 2023

The Young Generation Forum (YGF) and Young Professional Forum (YPF) hosted by KOFST occurred in Gangnam, Seoul, Korea, from July 3rd to 8th, 2023. The participants gathered from all over the world in 16 different countries and were 100 participants, among which 15 were from Canada.

This year, the forum was conjointly programmed with the 1st World Conference of Korean Scientists and Engineers (WCKSE) held in a similar period. The major programs of the forum consisted of Country Representative Presentations, Country Booth Explorations, Group S&T Expeditions, Future Science & Technology Lectures, a Next-Gen Job Fair and a culture tour of the Seoul Museum of History.

We hope this forum was an excellent opportunity for all the YG/YP participants to establish a network of young Korean scientists and engineers across the globe and share their passion in their respective fields!



Execution of the CKC 2023 YGP Program: A Recap

The CKC 2023 YGP Program occurred during CKC in Ottawa from July 17th to 21st. This year, the CKC 2023 YGP Program was designed to bridge the gap between the dynamic realms of industry and academia. Building on the previous year's success, the program offered sessions to celebrate various professional backgrounds, present projects, share invaluable workplace insights and foster ideas to elevate personal and professional growth.

A total of ten invited speakers engaged attendees with presentations that explored crucial topics, including critical thinking, resume writing, the art of active listening and building an online portfolio. The Project Showcase sessions showcased various captivating academic and individual projects spanning pharmaceutical sciences, kinesiology, computer science, materials engineering, biomedical engineering, mechanical engineering, and medicine. Notably, two participants took the stage during the technical sessions, presenting their recent research topics.



Chapter Representatives (the Chapter President or proxy) from 18 YG/YP chapters across Canada also attended this year's YGP program. They actively engaged in the YGP Leadership Workshop by presenting their regional chapter overview and participating in discussions about regional collaborative efforts' outcomes. Here, strategies to advance their chapters to success were explored and criticized.



Beyond knowledge exchange, the essence of the CKC 2023 YGP Program lies in cultivating a peer network. Our commitment to fostering community spirit was observed through the success of the CKC 2023 YGP Socials. The YGP Happy Hour and various small bonding sessions set up vibrant interactions, intertwining YGP members from diverse roles across the conference.



Summarizing this year's CKC YGP Program, the Young Generation and Professional National (YGP) Executive Committee extends heartfelt gratitude to all the organizers, volunteers, and participants who collectively brought the YGP Program and CKC to this resounding success. We hope to see you again at next year's CKC!

2023 YGPN Presidential Election Results

The YGPN presidential candidates have been advertised for two weeks, and the elections were held from July 14th, 9 PM to July 19th, 9 AM (EST). During this election, there were 68 eligible voters (YGP members who have paid the annual AKCSE membership fee). 15 out of 68 (22%) members participated in the election voting process.

Johnny Lee was the sole YGPN President-Elect running candidate, and 93.3% of the voters (1 = abstain) have approved Johnny as the YGPN President-Elect.

Mina Lee was the sole YGPN Vice President-Elect running candidate, and 93.3% of the voters (1 = abstain) have approved Mina as the YGPN Vice President-Elect.

Once the final approval has taken place by the AKCSE, the new YGPN President and Vice President will be formally appointed by the AKCSE President. The YGPN President and Vice-President transition will take place in December 2023 to effectively allow the newly appointed members to operate the YGPN Executive Committee starting in 2024.

Thank you to everyone who has voted and participated in the 2023 AKCSE YGPN Election!



As always... connect with us on social media!

LinkedIn: www.linkedin.com/in/ygp-akcse

Facebook: <https://www.facebook.com/ygp.akcse>

Instagram: <https://www.instagram.com/ygp.akcse/>

Twitter: <https://twitter.com/YAkse>

YouTube: <https://www.youtube.com/channel/UC1CcK8hgxyoKWkb3x6ccgHg>

Discord: <https://discord.gg/GPvKUb7bA3>

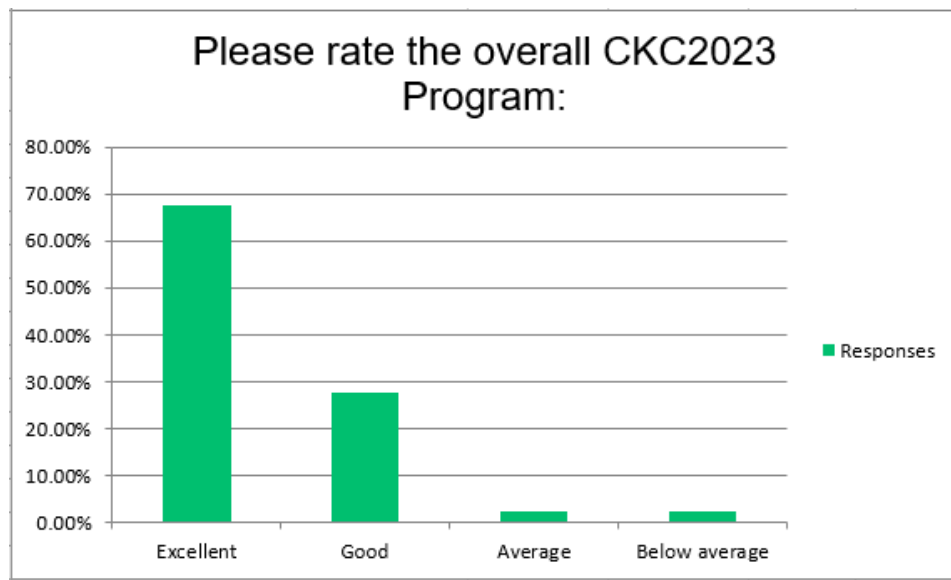
CKC2023 설문조사

Regina Lee, VP-Next Generation

후원과 회원들의 열렬한 성원으로 CKC2023이 7월 300여명의 참여자와 함께 성공적이고 빛났던 대회로 열렸습니다.

총 40여명의 참여자가 설문조사에 참여해 주셔서 그중 간단한 내용을 정리했습니다.

- It was great overall. Thank you for your efforts and hardwork to put everything together!
- 다 좋았습니다. 몇몇 분들은 행사에 5개 이상의 role을 맡아 하시는 걸 보고 조금 죄송하고 안타까웠습니다. 다음에는 업무가 골고루 잘 분배되어 일부 분들에게 피로도가 집중되지 않길 바랍니다.
- Thank you for your volunteer efforts. Consider hosting in Korea.
- Thank you all for your dedication and effort!
- It was a successful one.
- I think CKC is just a ceremony for their member, not for non-members. So, non-member was not interesting.



다음 행사장소로 많은 지역을 추천해 주셨는데, 그 중 가장 많이 제안된 도시로는...
 Quebec/Montreal (28), Vancouver (25), Toronto (7) 등 입니다.



Quebec/Montreal



Vancouver



Toronto

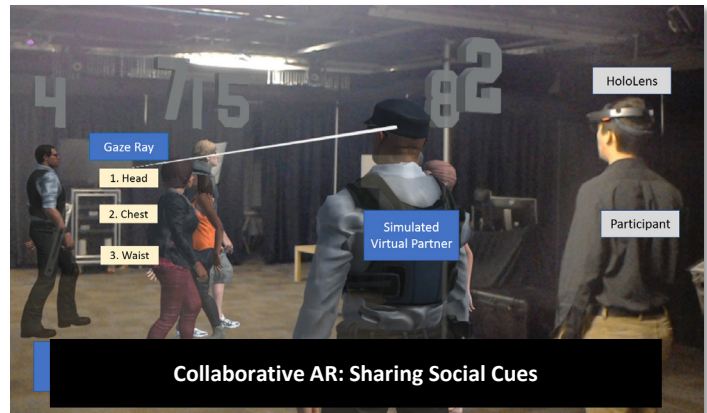
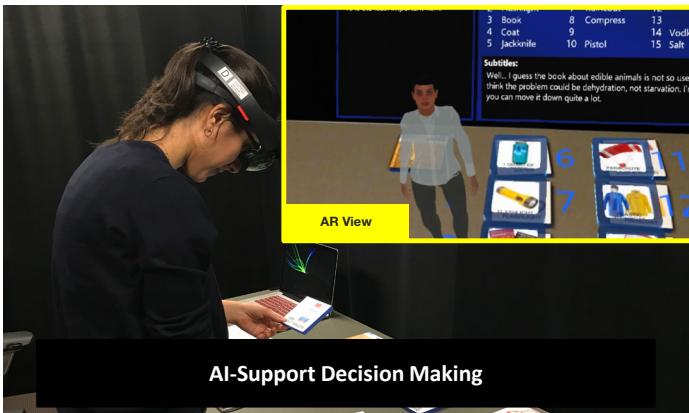
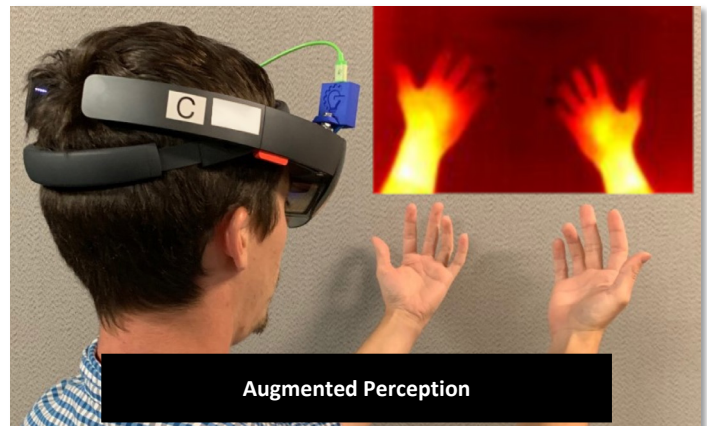
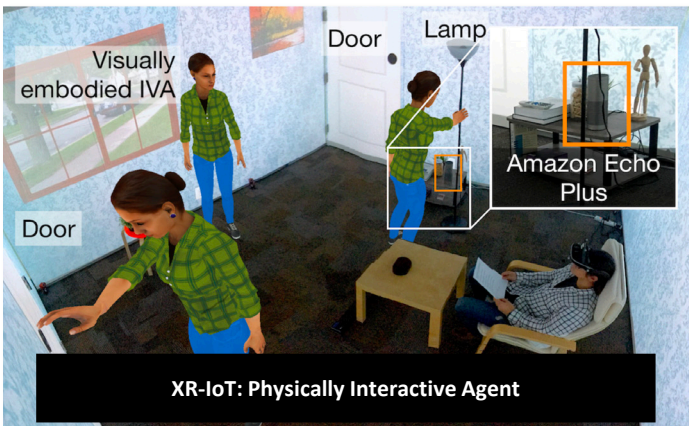
Research Spotlights

김강수 교수 (University of Calgary)



캘거리 대학교 전기소프트웨어공학과 (Department of Electrical and Software Engineering) 에서 조교수로 재직 중이며, Human-X Interaction (HXI) Lab을 디렉팅하고 있는 김강수입니다. 제 연구분야는 가상/증강/확장현실 (Virtual/Augmented/eXtended Reality)과 인간컴퓨터상호작용 (Human-Computer Interaction)이고, 좀 더 세부적으로는 가상아바타/에이전트 (Virtual Avatars/Agents) 상호작용 및 사용자 경험 (User Experience)에 대한 연구를 주로 하고 있습니다. 메타버스와 확장현실 분야는 가상/증강현실 기술을 아우르며, 최근 일반 사용자의 관심이 높아짐에 따라 다양한 방면에서의 개발 및 연구가 이루어지고 있습니다. 사용자와의 자연스러운 상호작용이 가능한 지능형 가상 에이전트, 원거리 협업 상황에서 원활한 감정표현 및 소통을 가능하게 하는 가상 아바타 기술 등은 이제 우리 생활에서 쉽게 접할 수 있는 기술이 되어가고 있습니다. 또한 인공지능 및 기계학습 (Artificial Intelligence and Machine Learning), 사물인터넷 (Internet of Things), 로봇공학 (Robotics)과 같은 첨단기술과의 접합을 통해, 보다 더 지능적이고 실세계에 물리적으로 영향을 줄 수 있는 가상콘텐츠 생성이 가능하게 되고 있습니다. 이에 따라, 가상/증강현실 기술 및 그 경험이 사용자에게 미치는 영향을 분석하고, 적합한 사용자 가이드라인을 제안하는 연구의 중요성은 점점 증대되고 있습니다. 캘거리 대학교 HXI Lab에서는 다양한 응용 상황에 적합한 상호작용형

가상/증강현실 시스템을 개발하고, 사용자의 경험 (인지/지각능력, 업무수행력, 행동 분석 등)을 분석하는 연구를 수행하고 있습니다. 보다 자세한 내용은 연구실 웹페이지 (<https://sites.google.com/view/hxilab>)를 통해 확인하실 수 있습니다.



발행인: 김성환, 제작팀: 김근수, Hanna Cho, Regina Lee, 정현중