Jinkyu Kim

ASSISTANT PROFESSOR · KOREA UNIVERSITY

145 Anam-ro, Seongbuk-gu, Seoul, South Korea

☎ (02) 3290-3195 | ✉ jinkyukim@korea.ac.kr | ⌂ https://visionai.korea.ac.kr

Education

University of California, Berkeley   *Berkeley, CA, USA*
PH.D. IN COMPUTER SCIENCE (ADVISOR: PROF. JOHN CANNY)   *Sep 2015 - Dec 2019*

Korea University   *Seoul, South Korea*
MASTER IN ELECTRICAL ENGINEERING (ADVISOR: PROF. SUNGROH YOON)   *Sep 2008 - Aug 2010*

Korea University   *Seoul, South Korea*
BACHELOR IN ELECTRICAL ENGINEERING   *Mar 2005 - Aug 2008*
- *Summa Cum Laude* (GPA: 4.45/4.5) from the College of Engineering

Work Experience

Korea University   *Seoul, South Korea*
ASSISTANT PROFESSOR   *03/01/2021 -*
- Department of Computer Science and Engineering (*Department Chair*)
- School of Mobility (Steering Member, *Affiliated*)
- Department of Data Science (*Affiliated*)
- Department of Artificial Intelligence (*Affiliated*)
- University College (*Affiliated*)
- AI+X Center, Institute for Economy, Technology, Security (*Head*)

Republic of Korea Joint Chiefs of Staff   *Seoul, South Korea*
ADVISORY COMMITTEE MEMBER   *01/09/2025 -*
- Command and Communication Department

Hyundai NGV   *Seoul, South Korea*
ADVISOR   *05/01/2024 - 08/31/2024*
- End-to-End Autonomous Driving

LG Innotek   *Seoul, South Korea*
ADVISOR   *05/01/2022 - 08/31/2022*
- Sensor Suite for Autonomous Driving

Korea Robot Manufacturing (KRM)   *Seoul, South Korea*
OUTSIDE DIRECTOR   *09/23/2023 -*
- Quadrupedal Robots for Surveillance, Reconnaissance, and Guard Post with Improved Mobility

Waymo Research   *Mountain View, CA, USA*
RESEARCH SCIENTIST (FULL-TIME)   *01/27/2020 - 02/19/2021*
- Behavior (or Trajectory) Prediction/Planning for Autonomous Driving

Waymo Research   *Mountain View, CA, USA*
RESEARCH INTERN (FULL-TIME)   *05/20/2019 - 08/23/2019*
- Explainable Learning for Mid-to-Mid Autonomous Driving (ChauffeurNet)

Honda Research Institute   *Mountain View, CA, USA*
RESEARCH INTERN (FULL-TIME)   *05/14/2018 - 08/17/2018*
- Advisable AI for Autonomous Driving

Honda Research Institute   *Mountain View, CA, USA*
RESEARCH INTERN(PART-TIME)   *09/27/2018 - 12/14/2018*
- Advisable AI for Autonomous Driving

Phantom AI (Start-up for Autonomous Driving)   *San Mateo, CA, USA*
RESEARCH INTERN (FULL-TIME)   *05/15/2017 - 08/11/2017*
- Low Latency Deep Neural Perception for Autonomous Driving

Phantom AI (Start-up for Autonomous Driving)   *San Mateo, CA, USA*
RESEARCH INTERN (PART-TIME)   *09/19/2017 - 12/15/2017*
- Low Latency Deep Neural Perception for Autonomous Driving

Samsung SDS *Seoul, South Korea*
Rᴇsᴇᴀʀᴄʜ Iɴᴛᴇʀɴ @Aɴᴀʟʏᴛɪᴄs Lᴀʙ *07/06/2015 - 07/24/2015*
- Deep Anomalies Detection for Manufacturing Process

Seoul National University *Seoul, South Korea*
Rᴇsᴇᴀʀᴄʜ Assɪsᴛᴀɴᴛ @SNU Dᴀᴛᴀ Sᴄɪᴇɴᴄᴇ & Aʀᴛɪғɪᴄɪᴀʟ Iɴᴛᴇʟʟɪɢᴇɴᴄᴇ Lᴀʙ *07/01/2014 - 05/31/2015*
- Collaborative Analytics by Ensemble Learning for Resolving Data-Silo issues

LG Display *Seoul, South Korea*
Rᴇsᴇᴀʀᴄʜ Eɴɢɪɴᴇᴇʀ @Rᴇsᴇᴀʀᴄʜ Cᴇɴᴛᴇʀ *11/30/2010 - 03/14/2014*
- Display Device Image Quality Optimization & SW Algorithm Development
- (for the fulfillment of three years of mandatory military service in South Korea)

Research Projects

2025-	**AI Star Fellowship**, IITP (MSIT)
2024-	**Multi-modal Sensor Calibration for Autonomous Driving**, Hyundai Motor Company
2024-	**Multi-modal RAG for Large Language Models**, KT
2024-	**Vision Language Action Models for Robots**, KT
2024-	**Fostering Generative AI Talent with LLM-based Application Service Technologies**, IITP (MSIT)
2024-	**AI Model to Predict Curve Progression in Adolescent Idiopathic Scoliosis**, NRF (MSIT)
2023-	**Development of an Agent Platform Technology for Personalized Character Formation**, IITP (MSIT)
2022-	**Development Program for R&D Experts in Core Technologies of Next-Generation Vehicles**, KIAT (MOTIE)
2022-	**ICT Excellence Talent Development Program**, IITP (MSIT)
2018-	**Development of Core Software Technologies for AI Semiconductor Processing**, IITP (MSIT)
2024-2024	**Research on the Application of Large-Scale AI in the Defense Sector**, DAPA (MND)
2023-2024	**Sensor Fusion for Autonomous Driving**, LG Innotek
2023-2024	**Domain Adaptation for LiDAR-based 3D Object Detection**, Hyundai Motor Company
2023-2024	**Self-supervised Learning for Remote Sensing**, Hanwha System
2023-2024	**Trajectory Prediction for Autonomous Driving**, Hyundai Motor Company
2023-2024	**Object Tracking/Detection for Autonomous Driving**, Hyundai Motor Company
2022-2023	**Visual Moire Removal**, LG Display
2022-2023	**Domain Adaptation for Multi-view 3D Object Detection**, Samsung Advanced Institute of Technology
2022-2023	**Visual Anomaly Detection**, SKT
2022-2022	**CVPR2022 Workshop Organization**, Google
2021-2024	**Embedded Explainable AI with User Guidance Capabilities for Autonomous Vehicles**, NRF (MSIT)
2021-2022	**LiDAR-based 3D Object Detection**, Hyundai Motor Company
2021-2022	**Multi-view Camera-based 3D Object Detection**, Hyundai Motor Company
2021-2022	**Commonsense Behavior Prediction**, 42dot
2021-2022	**Self-supervised Learning for Image Recognition**, Naver

Publications

Research Topics   Autonomous Driving (Perception, Prediction, Planning) | Multi-modal LLMs | Embodied AI

Publications:

Minseung Lee, Seokha Moon, Seung Joon Lee, Reza Mahjourian, Jinkyu Kim,
"Image-Guided Semantic Pseudo-LiDAR Point Generation for 3D Object Detection"   *Under review*

Hongbeen Park, Minjeong Park, Yujin Sung, Sunpil Kim, Jinkyu Kim, Jung Hyun Lee,
"Periodic Activation for Efficient and Accurate 2D Gaussian Splatting in Multimodal SpatioTemporal Calibration"   *Under review*

Mincheol Kwon, Minseung Lee, Miso Choi, Seonga Choi, Kyeong-Jin Oh, Hyunyoung Lee, Cheonyoung Park, Yongho Song, Seunhyun Park, Jinkyu Kim,
"Do We Need All Visual Information in Fine-grained Image Understanding?"   *Under review*

Kyungryul Back, Seongbeom Park, Milim Kim, Mincheol Kwon, SangHyeok Lee, Hyunyoung Lee, Junhee Cho, Seunghyun Park, Jinkyu Kim,
"Watermarking for Factuality: Guiding Vision-Language Models Toward Truth via Tri-layer Contrastive Decoding"   *Under review*

Daewon Chae, Nokyung Park, Jinkyu Kim, Kimin Lee,
"InstructBooth: Instruction-following Personalized Text-to-Image Generation"   *Under review*

Ethan Ewer, Daewon Chae, Thomas Zeng, Jinkyu Kim, Kangwook Lee,
"ENTP: Encoder-only Next Token Prediction"   *Under review*

	Yechan Kang, Mingyeong Seo, Jeonghee Jo, Hyun Jae Jang, Jongkil Park, Jaewook Kim, Suyoun Lee, Jinkyu Kim, Seongsik Park,	*Under review*
	"SDE-SNN: Selective Direct Encoding for Deep Spiking Neural Networks"	
	Woosung Joung, Daewon Chae, Jinkyu Kim,	*Under review*
	"SemanticControl: A Training-Free Approach for Handling Loosely Aligned Visual Conditions in ControlNet"	
	Inseo Jung, Dabin Seo, Sukyung Baek, Jaeheun Jung, Hyeongwoo Im, Donghun Lee, Jinkyu Kim,	*Under review*
	"HyperUn: Controlling Uncertainty in Hyperbolic Space for Machine Unlearning"	
	Dabin Seo, Haeji Jung, Che Rin Yu, Jinkyu Kim,	*Under review*
	"MiDaS: Multi-Sensor Domain Generalization Guidance for Self-supervised Learning in Remote Sensing"	
	Che Rin Yu, Daewon Chae, Dabin Seo, Yooha Jang, Sangwon Lee, Jinkyu Kim,	*Under review*
	"Look Before You Fail: Proactive Replanning via Scene Graph-based Anticipation of Task Failures"	
Sep 2025	**Minjeong Park, Hongbeen Park, Jinkyu Kim**,	*ICIP*
	"VITA-PAR: Visual and Textual Attribute Alignment with Attribute Prompting for Pedestrian Attribute Recognition"	
Jun 2025	**Sungsik Kim, Janghyun Baek, Jinkyu Kim*, Jaekoo Lee***,	*AAMAS*
	"GUIDE-CoT: Goal-driven and user-informed dynamic estimation for pedestrian trajectory using chain-of-thought"	
Jun 2025	**Edward Kim, Devan Shanker, Varun Bharadwaj, Hongbeen Park, Jinkyu Kim, Hazem Torfah, Daniel Fremont, and Sanjit Seshia**,	*NASA Formal Methods Symposium*
	"Querying Labeled Time Series Data with Scenario Programs"	
Jun 2025	**Gyeongrok Oh, Sungjune Kim, Heeju Ko, Hyung-gun Chi, Jinkyu Kim, Dongwook Lee, Daehyun Ji, Sungjoon Choi, Sujin Jang, Sangpil Kim**,	*CVPR*
	"3D Occupancy Prediction with Low-Resolution Queries via Prototype-aware View Transformation"	
Feb 2025	**Daewon Chae, June Suk Choi, Jinkyu Kim*, Kimin Lee***,	*AAAI*
	"DiffExp: Efficient exploration in reward fine-tuning for text-to-image diffusion models"	
Dec 2024	**Gyusam Chang, Jiwon Lee, Donghyun Kim, Jinkyu Kim, Dongwook Lee, Daehyun Ji, Sujin Jang, Sangpil Kim**,	*NeurIPS*
	"Unified Domain Generalization and Adaptation for Multi-View 3D Object Detection"	
Dec 2024	**Mincheol Chang, Siyeong Lee, Jinkyu Kim, Namil Kim**,	*NeurIPS*
	"Just Add $100 More, Augmenting Pseudo-LiDAR Point Cloud for Resolving Class-imbalance Problem"	
Dec 2024	**Yechan Kang, Mingyeong Seo, Jeonghee Jo, Hyun Jae Jang, Jongkil Park, Jaewook Kim, Suyoun Lee, Jinkyu Kim, Seongsik Park**,	*NeurIPS Workshop*
	"H-Direct: Homeostasis-aware Direct Spike Encoding for Deep Spiking Neural Networks"	
Dec 2024	**Seokha Moon, Kyuhwan Yeon, Hayoung Kim, Seong-Gyun Jeong, Jinkyu Kim**,	*ICPR*
	"Who Should Have Been Focused: Transferring Attention-based Knowledge from Future Observations for Trajectory Prediction"	
Dec 2024	**Seongbeom Park, Haeji Jung, Daewon Chae, Hyunju Yun, Sungyoon Kim, Suhong Moon, Jinkyu Kim, Seunghyun Park**,	*ICPR*
	"Text-Driven Prototype Learning for Few-Shot Class-Incremental Learning"	
Dec 2024	**Nokyung Park, Daewon Chae, Jeongyong Shim, Sangpil Kim, Eun-sol Kim*, Jinkyu Kim***,	*ICPR*
	"Bridging the Domain Gap by Clustering-based Image-Text Graph Matching"	
Nov 2024	**Jungmin Ha, Euihyun Yoon, Sungsik Kim, Jinkyu Kim*, Jaekoo Lee***,	*BMVC*
	"Leveraging Inductive Bias in ViT for Medical Image Diagnosis"	
Nov 2024	**Jimin Sohn, Haeji Jung, Alex Cheng, Jooeon Kang, Yilin Du, David R Mortensen**,	*EMLNP*
	"Zero-Shot Cross-Lingual NER Using Phonemic Representations for Low-Resource Languages"	
Nov 2024	**Haeji Jung, Changdae Oh, Jooeon Kang, Jimin Sohn, Kyungwoo Song, Jinkyu Kim, David R. Mortensen**,	*EMLNP Workshop*
	"Mitigating the Linguistic Gap with Phonemic Representations for Robust Multilingual Language Understanding"	
Oct 2024	**Jiyun Jang, Mincheol Chang, Jongwon Park, Jinkyu Kim**,	*IROS*
	"Finetuning Pre-trained Model with Limited Data for LiDAR-based 3D Object Detection by Bridging Domain Gaps"	
Oct 2024	**Seokha Moon, Hyun Woo, Hongbeen Park, Haeji Jung, Reza Mahjourian, Hyung-gun Chi, Hyerin Lim, Sangpil Kim*, Jinkyu Kim***,	*ECCV*
	"VisionTrap: Vision-Augmented Trajectory Prediction Guided by Textual Descriptions"	
Oct 2024	**Gyeongrok Oh, Jaehwan Jeong, Sieun Kim, Wonmin Byeon, Jinkyu Kim, Sungwoong Kim, Sangpil Kim**,	*ECCV*
	"MEVG Multi-event Video Generation with Text-to-Video Models"	
Oct 2024	**Hongbeen Park, Minjeong Park, Giljoo Nam, Jinkyu Kim**,	*ECCV*
	"LRSLAM: Low-rank Representation of Signed Distance Fields in Dense Visual SLAM System"	
Oct 2024	**Sungjune Kim, Hadam Baek, Seunggwan Lee, Hyung-gun Chi, Hyerin Lim, Jinkyu Kim*, Sangpil Kim***,	*ECCV*
	"Enhanced Motion Forecasting with Visual Relation Reasoning"	
May 2024	**Seokha Moon, Hongbeen Park, Jungphil Kwon, Jaekoo Lee*, Jinkyu Kim***,	*ICRA*
	"Learning Temporal Cues by Predicting Objects Move for Multi-camera 3D Object Detection"	

May 2024	**Seung Hyun Lee, Hyung-gun Chi, Gyeongrok Oh, Wonmin Byeon, Sang Ho Yoon, Hyunje Park, Wonjun Cho, Jinkyu Kim*, Sangpil Kim*,** "Robust Sound-guided Image Manipulation"	*Neural Networks*
Jun 2024	**Sungjune Kim, Hyung-gun Chi, Hyerin Lim, Karthik Ramani, Jinkyu Kim*, Sangpil Kim*,** "Higher-order Relational Reasoning for Pedestrian Trajectory Prediction"	*CVPR*
Jun 2024	**Jinbae Im, Jeongyeon Nam, Nokyung Park, Hyungmin Lee, Seunghyun Park,** "EGTR: Extracting Graph from Transformer for Scene Graph Generation"	*CVPR*
Feb 2024	**Gyusam Chang, Wonseok Roh, Sujin Jang, Dongwook Lee, Daehyun Ji, Gyeongrok Oh, Jinsun Park, Jinkyu Kim*, Sangpil Kim*,** "CMDA: Cross-Modal and Domain Adversarial Adaptation for LiDAR-based 3D Object Detection"	*AAAI*
Jan 2024	**Seongbeom Park, Suhong Moon, Seunghyun Park, Jinkyu Kim,** "Localization and Manipulation of Immoral Visual Cues for Safe Text-to-Image Generation"	*WACV*
Jan 2024	**Mincheol Chang, Seokha Moon, Reza Mahjourian, Jinkyu Kim,** "BEVMap: Map-Aware BEV Modeling for 3D Perception"	*WACV*
Nov 2023	**Geewook Kim, Hodong Lee, Daehee Kim, Haeji Jung, Sanghee Park, Yoonsik Kim, Sangdoo Yun, Taeho Kil, Bado Lee, Seunghyun Park,** "Cream: Visually-Situated Natural Language Understanding with Contrastive Reading Model and Frozen Large Language Models"	*EMNLP*
Oct 2023	**MyungHak Lee, Wooseong Cho, Sungsik Kim, Jinkyu Kim*, Jaekoo Lee*,** "Distillation for High-Quality Knowledge Extraction via Explainable Oracle Approach"	*BMVC*
Oct 2023	**Yujin Jeong, Wonjeong Ryoo, Seunghyun Lee, Dabin Seo, Wonmin Byeon, Sangpil Kim*, Jinkyu Kim*,** "The Power of Sound (TPoS): Audio Reactive Video Generation with Stable Diffusion"	*ICCV*
Aug 2023	**Yujin Jeong, Wonjeong Ryoo, Seunghyun Lee, Dabin Seo, Wonmin Byeon, Sangpil Kim*, Jinkyu Kim*,** "The Power of Sound (TPoS): Audio Reactive Video Generation with Stable Diffusion (short version)"	*ICML Workshop*
Aug 2023	**Seongbeom Park, Suhong Moon, Seunghyun Park, Jinkyu Kim,** "Localization and Manipulation of Immoral Visual Cues for Safe Text-to-Image Generation"	*ICML Workshop*
Aug 2023	**Nokyung Park, Daewon Chae, Jeongyong Shim, Sangpil Kim, Eun-sol Kim*, Jinkyu Kim*,** "Bridging the Domain Gap by Clustering-based Image-Text Graph Matching"	*ICML Workshop*
Jun 2023	**Seokha Moon, Sejeong Lee, Hyun Woo, Kyuhwan Yeon, Hayoung Kim, Seong-Gyun Jeong, Jinkyu Kim,** "RUFI: Reducing Uncertainty in Behavior Prediction with Future Information"	*CVPR Workshop*
Jun 2023	**Yongrae Kim, Hyungmin Gwak, Jaehoon Oh, Minho Kang, Jinkyu Kim, Hyun Kwon, Sunghwan Kim,** "CloudNet: A LiDAR-Based Face Anti-Spoofing Model That Is Robust Against Light Variation"	*IEEE Access*
Jan 2023	**Daeun Lee, Jongwon Park, and Jinkyu Kim,** "Resolving Class Imbalance Problem for LiDAR-based Object Detector by Balanced Gradients and Contextual Ground Truth Sampling"	*WACV*
Jan 2023	**Suhong Moon, Domas Buracas, Seunghyun Park, Jinkyu Kim, and John Canny,** "An Embedding-Dynamic Approach to Self-supervised Learning"	*WACV*
Oct 2022	**Seonwoo Min, Nokyung Park, Siwon Kim, Seunghyun Park, and Jinkyu Kim,** "Grounding Visual Representations with Texts for Domain Generalization"	*ECCV*
Oct 2022	**Hyejin Lee, Daehee Kim, Daeun Lee, Jinkyu Kim*, and Jaekoo Lee*,** "Bridging the Domain Gap towards Generalization in Automatic Colorization"	*ECCV*
Oct 2022	**Seung Hyun Lee, Gyeongrok Oh, Wonmin Byeon, Jihyun Bae, Chanyoung Kim, Won Jeong Ryoo, Sang Ho Yoon, Jinkyu Kim*, Sangpil Kim*,** "Sound-Guided Semantic Video Generation"	*ECCV*
Aug 2022	**Wonseok Roh, Gyusam Chang, Seokha Moon, Giljoo Nam, Chanyoung Kim, Younghyun Kim, Sangpil Kim*, Jinkyu Kim*,** "ORA3D: Overlap Region Aware Multi-view 3D Object Detection"	*ArXiv*
June 2022	**Daehee Kim, Jinkyu Kim, and Jaekoo Lee,** "Inter-domain Curriculum Learning for Domain Generalization"	*ICT Express*
June 2022	**Yujin Jeong, Seongbeom Park, Suhong Moon, and Jinkyu Kim,** "Zero-shot Visual Commonsense Immorality Prediction"	*CVPR Workshop*
June 2022	**Seung Hyun Lee, Wonseok Roh, Wonmin Byeon, Sang Ho Yoon, Chanyoung Kim, Jinkyu Kim* and Sangpil Kim*,** "Sound-Guided Semantic Image Manipulation"	*CVPR*
May 2022	**Jinkyu Kim*, Reza Mahjourian*, Mayank Bansal, Scott Ettinger, Brandyn White, Ben Sapp, Dragomir Anguelov,** "StopNet: Scalable Trajectory and Occupancy Prediction for Urban Autonomous Driving"	*ICRA*
May 2022	**Reza Mahjourian*, Jinkyu Kim*, Mingxing Tan, Ben Sapp, Yuning Chai, Dragomir Anguelov,** "Occupancy Flow Fields for Motion Forecasting in Autonomous Driving"	*ICRA/RA-L*
Dec 2021	**Seung Hyun Lee, Nahyuk Lee, Chanyoung Kim, Wonjeong Ryoo, Jinkyu Kim, Sang Ho Yoon*, Sangpil Kim*,** "Audio-Semantic Image Synthesis for Artistic Paintings"	*NeurIPS Workshop*

Dec 2021	**Seung Hyun Lee, Sang Ho Yoon, Jinkyu Kim*, Sangpil Kim***, "Sound-guided Semantic Image Manipulation"	*NeurIPS Workshop*
Dec 2021	**Jinkyu Kim, Anna Rohrbach, Zeynep Akata, Suhong Moon, Teruhisa Misu, Yi-Ting Chen, Trevor Darrell, John Canny**, "Towards Explainable and Advisable Model for Self-driving Cars"	*AI Letters*
Oct 2021	**Daehee Kim, Youngjun Yoo, Seunghyun Park, Jinkyu Kim*, and Jaekoo Lee***, "SelfReg: Self-supervised Contrastive Regularization for Domain Generalization"	*ICCV*
June 2021	**Suhong Moon, Domas Buracas, Jinkyu Kim, and John Canny**, "BMWReg: Brownian-diffusive, Multiview, Whitening Regulararizations for Self-supervised Learning"	*ICML Workshop*
Apr 2021	**Jinkyu Kim and Mayank Bansal**, "Towards an Interpretable Deep Driving Network by Attentional Bottleneck"	*RA-L*
June 2020	**Jinkyu Kim, Suhong Moon, Anna Rohrbach, Trevor Darrell, and John Canny**, "Advisable Learning for Self-driving Vehicles by Internalizing Observation-Action Rules"	*CVPR*
June 2020	**Jinkyu Kim, Suhong Moon, Anna Rohrbach, Trevor Darrell, and John Canny**, "Advisable Learning for Self-driving Vehicles by Internalizing Observation-Action Rules"	*CVPR Workshop*
Jun 2020	**Jinkyu Kim and Mayank Bansal**, "Attentional Bottleneck: Towards an Interpretable Deep Driving Network"	*CVPR Workshop*
June 2019	**Jinkyu Kim, Teruhisa Misu, Yi-Ting Chen, Ashish Tawari, and John Canny**, "Grounding Human-to-Vehicle Advice for Self-driving Vehicles"	*CVPR*
Mar 2020	**Ye Xia, Jinkyu Kim, John Canny, Karl Zipser, and David Whitney**, "Periphery-Fovea Multi-Resolution Driving Model guided by Human Attention"	*WACV*
Dec 2018	**Ye Xia, Danqing Zhang, Jinkyu Kim, Ken Nakayama, Karl Zipser, and David Whitney**, "Predicting Driver Attention in Critical Situations"	*ACCV*
Nov 2018	**Jinkyu Kim, Hyunggi Cho, Myung Hwangbo, John Canny, and Youngwook Paul Kwon**, "Deep Traffic Light Detection for Self-driving Cars from a Large-scale Dataset"	*IEEE ITSC*
Oct 2018	**Jinkyu Kim and John Canny**, "Explainable Deep Driving by Visualizing Causal Attention"	*The Springer Series on Challenges in Machine Learning*
Sep 2018	**Jinkyu Kim, Anna Rohrbach, Trevor Darrell, John Canny, and Zeynep Akata**, "Textual Explanations for Self-Driving Vehicles"	*ECCV*
Jul 2018	**Donghan Lee, Youngwook Paul Kwon, Jinkyu Kim, and Jongsang Suh**, "A Novel Trajectory Prediction of Traffic Participants for Autonomous Lane Change Assistance"	*AVEC*
Dec 2017	**Jinkyu Kim, Anna Rohrbach, Trevor Darrell, John Canny, and Zeynep Akata**, "Show, Attend, Control, and Justify: Interpretable Learning for Self-Driving Cars"	*NeurIPS Symposium*
Oct 2017	**Jinkyu Kim and John Canny**, "Interpretable Learning for Self-Driving Cars by Visualizing Causal Attention"	*ICCV*
May 2016	**Jinkyu Kim*, Xuaner Zhang*, Laura Waller, Brian A. Barsky, and Ren Ng**, "Free Your Eyes: Retinal Image Deblurring Display with Enlarged Viewing Zone" (*equally contributed)	*IEEE ICCP*
May 2016	**Jinkyu Kim, Heonseok Ha, Byung-Gon Chun, Sungroh Yoon, and Sang K. Cha**, "Collaborative Analytics for Data Silos"	*IEEE ICDE*
Dec 2015	**Heonseok Ha, Jinkyu Kim, and Sungroh Yoon**, "Distributed Ensemble Learning for Analyzing Nationwide Health-Insurance Databases"	*NeurIPS workshop*
Jan 2014	**Jinkyu Kim, Wonyeol Lee, Jeonghoon Seo and Euiyeol Oh**, "An OLED Driving Currents Compensation Method with a CCD Camera"	*IEEE ICCE*
Jan 2013	**Jinkyu Kim, Gunn Kim, Sungbae An, Young-Kyun Kwon and Sungroh Yoon**, "Entropy-Based Analysis and Bioinformatics-Inspired Integration of Global Economic Information Transfer"	*PLOS ONE*
Jul 2011	**Sungroh Yoon, Jinkyu Kim, Justine Hum, Hanjoo Kim, Seunghyun Park, Wipapat Kladwang and Rhiju Das**, "HiTRACE: High-throughput robust analysis for capillary electrophoresis"	*Bioinformatics (IF: 5.481)*
May 2011	**Jinkyu Kim, Hanjoo Kim, Hyeyoung Min and Sungroh Yoon**, "Constructing Accurate Contact Maps for Hydroxyl Radical Cleavage Based High-Throughput RNA Structure Inference"	*IEEE TBME (IF: 4.288)*
May 2009	**Jinkyu Kim, Seunghak Yu, Byonghyo Shim, Hanjoo Kim, Hyeyoung Min, Eui-Young Chung, Rhiju Das and Sungroh Yoon**, "A Robust Peak Detection Method for RNA Structure Inference by High-Throughput Contact Mapping"	*Bioinformatics (IF: 5.481)*

Professional Activities

Reviewer/Program Committee

AAAI, CVPR, ECCV, NeurIPS, ICCV, ICLR, ICML, IEEE ITSC, IROS, IV , T-IFS, T-PAMI, T-IM, ICRA

Scholarship & Awards

2016	**Frank and Margaret Lucas Scholarship**, UC Berkeley	*Scholarship*
2015	**Samsung Scholarship**, Samsung Foundation	*Scholarship*
2015	**Fulbright Graduate Program Award (*Declined*)**, Fulbright	*Scholarship*
2013	**CEO Award (Best Research Engineer)**, LG Display Co., Ltd.	*Award*
2009	**STX Scholarship**, STX Foundation	*Scholarship*
2008	**Summa Cum Laude**, Korea University	*Award*
2008	**STX Scholarship**, STX Foundation	*Scholarship*
2005	**Undergraduate Scholarship**, Korea University	*Scholarship*