



on Artificial Intelligence





on Artificial Intelligence

Researchers Forum

April 1-2, 2025

DAY 1

13:30-18:30 Thon Hotel EU (Rue de la Loi 75, 1000 Brussels)

DAY 2 09:00-17:30 Korea-EU Research Centre (Rue de la Science 14, 1040 Brussels)















Ministry of Science and ICT



Researchers Forum

DAY 1 Location: Thon Hotel EU 13:30 Opening session 13:45 Special session Philip Piatkiewicz, Secretary-General, ADR Association 14:15 Session 1 Seung-won Hwang, Professor, Seoul National University 14:45 Session 2 Aleksandra Pizurica, Professor, Ghent University 15:15 Session 3 Kangil Kim, Assistant Professor, GIST 15:45 Session 4 Matteo Matteucci, Professor, Politecnico di Milano 16:15 Break 16:30 Session 5 Edward Choi, Associate Professor, KAIST 17:00 Session 6 Hyewon Seo, Research Director, CNRS 17:30 Session 7 Jaeho Lee, Assistant Professor, POSTECH Willem Waegeman, Associate Professor, Ghent University 18:00 Session 8 18:30 Dinner

DAY 2

Location: Korea-EU Research Centre

09:00	Networking Coffee	
09:15	Opening	
09:30	Session 9	Se Young Chun, Professor, Seoul National University
10:00	Session 10	Dorota Glowacka, Associate Professor, University of Helsinki
10:30	Session 11	Namhoon Lee, Assistant Professor, POSTECH
11:00	Session 12	Ali Ramezani-Kebrya, Associate Professor, University of Oslo
11:30	Session 13	Jaejun Yoo, Associate Professor, UNIST
12:00	Session 14	Yongkuk Jeong, Assistant Professor, KTH Royal Institute of Technology
12.20	Lunch	
12.30	Lunch	
14:00	Session 15	Niloy Mitra, Professor, University College London
12:30 14:00 14:30	Session 15 Session 16	Niloy Mitra, Professor, University College London Ye Seong Kim, Associate Professor, DGIST
14:00 14:30 15:00	Session 15 Session 16 Session 17	Niloy Mitra, Professor, University College London Ye Seong Kim, Associate Professor, DGIST Kwangju Kim, Director, ETRI
14:00 14:30 15:00 15:30	Session 15 Session 16 Session 17 Break	Niloy Mitra, Professor, University College London Ye Seong Kim, Associate Professor, DGIST Kwangju Kim, Director, ETRI
12:30 14:00 14:30 15:00 15:30 15:45	Session 15 Session 16 Session 17 Break Session 18	Niloy Mitra, Professor, University College London Ye Seong Kim, Associate Professor, DGIST Kwangju Kim, Director, ETRI Dario Gregori, Professor, University of Padova
12:30 14:00 14:30 15:00 15:30 15:45 16:15	Session 15 Session 16 Session 17 Break Session 18 Session 19	Niloy Mitra, Professor, University College London Ye Seong Kim, Associate Professor, DGIST Kwangju Kim, Director, ETRI Dario Gregori, Professor, University of Padova Sehyun Yang, CTO, DNOTITIA

Researchers Forum

Korea-EU Research Centre

The Korea-EU Research Centre(KERC) was established in 2013 to promote research and innovation cooperation between Korea and the EU. Serving as a bridgehead to strengthen Korea-EU R&D cooperation, we undertake various activities, ranging from enhancing mutual understanding to facilitating opportunities for diverse matchmakings and collaborative partnerships.



Information hub for R&I cooperation

The KERC is the center of information on Korea-EU R&I cooperation. We gather knowledge, share it through newsletters and publications, and maintain an open-access database for everyone.

Networking hub for R&I cooperation

The KERC builds connections with European and Korean organisations, interacts with them, and actively engages in their activities to enhance mutual understanding and coordinate collaboration between both sides.

Facilitator & Pathfinder for R&I cooperation

As a bridgehead to Europe for Korea, we support governing body, funding agencies, research institutes and researchers with a tailored information and well-established network.

Researchers Forum

RESEARCHERS PROFILE



Se Young Chun

Professor, Seoul National University (SNU)

Biography

Se Young Chun received a BSE from School of Electrical Engineering (EE), Seoul National University, South Korea (SNU) and then received dual MSE/MS degrees in EE: systems / math and a Ph.D. degree in EE: systems, all from University of Michigan, Ann Arbor, USA (UM). After having post-doctoral trainings at Massachusetts General Hospital & Harvard Medical School, USA, and at Electrical Engineering and Computer Science & Radiology, UM, he had been an Assistant / Associate Professor at School of Electrical and Computer Engineering (ECE), UNIST, South Korea, from 2013 to 2021. Since 2021, he has joined Department of ECE, SNU, and he is currently a Professor in ECE as well as Interdisciplinary Program in AI. He has authored 30 SCIE journal papers, 23 top Al/computer vision conference papers and 89 international conference papers & abstracts. He is a Senior Area Editor of IEEE Transactions on Computational Imaging and an Associate Editor of IEEE Transactions on Image Processing. He was the recipient of 2015 Bruce Hasegawa Young Investigator Medical Imaging Science Award from IEEE Nuclear and Plasma Sciences Society. His research interests include computational imaging algorithms, diffusion models, multimodal systems and efficient learning & deep architectures for the applications in medicine, industry, computer vision and robotics.

Research Interests

Recently, my lab has focused on diverse diffusion models such as scalable generative T2I model, concept erasing, domain adaptation, efficient personalization and inversion algorithms for editing (model inversion). Thus, I am particularly interested in Generative AI for Virtual Worlds (image and video generation), generative AI for Cybersecurity applications (forcing not to generate certain concepts or instances) and Lightweight generative AI (lightweight personalization and image generation). I am also very interested in the topics of exploiting foundation models for better performance in semantic segmentation, affordance grounding and of diverse learning algorithms such as continual learning and active learning.

Aleksandra Pizurica



Professor, Ghent University

Biography

Dipl. Ing. Degree in Electrical Engineering (1994; the University of Novi Sad); Master of Science degree in Telecommunications (1997; the University of Belgrade); Ph.D. degree in Engineering (2002; Ghent University) is Professor in statistical image modelling at Ghent University. Prof. Pizurica is a Senior Area Editor for the IEEE Transactions on Image Processing (2016 –), Associate Editor for the IEEE Transactions on Circuits and Systems for Video Technology (2016 –), and served as an Associated Editor for the IEEE Transactions on Image Processing on Image Processing (2012–2016). She received the Scientific Prize "de Boelpaepe" for 2013-2014, from the Royal Academy of Science, Letters and Fine Arts of Belgium.

Research Interests

Her research is in the area of statistical modelling, probabilistic graphical models and inference, sparse coding, signal/image processing and machine learning.



Seung-won Hwang

Professor, Seoul National University (SNU)

Biography

Seung-won Hwang is a Professor of Computer Science and Engineering at Seoul National University. Prior to joining SNU, she has been a tenured faculty at POSTECH and Yonsei University, after her PhD from UIUC. Her research contributions lie at the intersection of NLP, Information Retrieval, and Data Intelligence, published as 200+ top-tier conference papers and transferred to products from industry collaborations, recognized by Microsoft Research Outstanding Collaborator Award. More details can be found at <u>http://seungwonh.github.io</u>.

Research Interests

NLP, Information Retrieval, Code Generation, and Data Intelligence



Matteo Matteucci

Professor, Politecnico di Milano

Biography

Matteo Matteucci is Full Professor at Dipartimento di Elettronica Informazione e Bioingegneria of Politecnico di Milano, Italy. In 1999 he got a Laurea degree in Computer Engineering at Politecnico di Milano, in 2002 he got a Master of Science in Knowledge Discovery and Data Mining at Carnegie Mellon University (Pittsburgh, PA), and in 2003 he got a Ph.D. in Computer Engineering and Automation at Politecnico di Milano (Milan, Italy). Since 2015, he has been working as a Professor at Politecnico di Milano, Italy. His main research topics are pattern recognition, machine learning, machine perception, robotics, computer vision and signal processing. He has coauthored more than 150 scientific international publications and he has been the principal investigator in national and international funded research projects on machine learning, autonomous robots, sensor fusion, and benchmarking of autonomous and intelligent systems. His main research interest is in developing, evaluating and applying, in a practical way, techniques for adaptation and learning to autonomous systems interacting with the physical world.

Research Interests

Matteo Matteucci research focuses on the use of techniques and models from Pattern Recognition, Machine Learning, Signal Processing, and Artificial Intelligence to deal with uncertainty in autonomous physical & software systems perception and data analysis.

Main research interests are:

- Artificial Intelligence and Deep Learning
- Autonomous mobile robots in agriculture, surveillance, inspection and maintenance
- Computer Vision and Image Understanding
- Simultaneous Localization and Mapping.
- Robot perception and autonomous navigation



Kangil Kim

Associate Professor, Gwangju Institute of Science and Technology (GIST)

Biography

Dr. Kangil Kim is an Associate Professor at the Artificial Intelligence Graduate School of Gwangju Institute of Science and Technology (GIST). He received his Ph.D. in Computer

Science and Engineering from Seoul National University (SNU) in 2012 and his B.S. from the Korea Advanced Institute of Science and Technology (KAIST) in 2006. Before joining GIST, he spent three years as an Assistant Professor at Konkuk University and three years as a Senior Researcher in the NLP section at the Electronics and Telecommunications Research Institute (ETRI). He is leading Intelligence Representation & Reasoning Laboratory (irrlab.github.io) andactively involved in the academic community, serving as a reviewer for leading conferences and journals, including NeurIPS, ICLR, ICML, ACL, EMNLP, IEEE Transactions on Neural Networks and Learning Systems (TNNLS), IEEE Transactions on Evolutionary Computation (TEVC), and IEEE/ACM Transactions on Audio, Speech, and Language Processing (TASLP).

Research Interests

His research focuses on artificial intelligence, machine learning, evolutionary computation, and natural language processing. His work aims to advance artificial general intelligence (AGI) by exploring model representation, optimization, and inductive bias for continuous knowledge accumulation and reasoning. He specializes in analyzing representation learning and training dynamics from geometric and probabilistic perspectives to enhance disentanglement/continual/ federated/transfer/object-centric/relational/structural learning. He has led projects such as "Representation Analysis in Various Structural Levels for representation canonicalization", "Neural Networks for General Knowledge Accumulation," and "Theoretical Stagnation of Foundation Models."



Hyewon Seo

Research Director, CNRS

Biography

Hyewon Seo is a Research Director at CNRS and a member of the ICube laboratory at the Université de Strasbourg, where she co-leads the Machine Learning, Modeling & Simulation (MLMS) research team. Since 2016, she has also been an affiliated professor at POSTECH, South Korea.

She was educated in South Korea, earning a BSc and MSc in Computer Science from KAIST. After obtaining her PhD from the University of Geneva in 2004, she spent five years as an assistant professor in the Computer Science and Engineering Department at Chungnam National University, South Korea, before relocating to France in 2009.

She has served on the editorial boards of several international journals, including The Visual Computer (Springer Nature), where she was Associate Editor-in-Chief from 2016 to 2020. She has also contributed to the organization of several major conferences, serving as conference co-chair for *Computer Graphics International 2015*

and the *Symposium on Solid and Physical Modeling 2020*, as well as program co-chair for *Computer Animation and Social Agents 2025*. From 2012 to 2016, she was an elected member of the CNRS national committee.

Research Interests

Hyewon Seo's research focuses on computational modelling techniques, artificial intelligence, and computer graphics. Her recent work explores video-based human motion analysis, as well as the modeling, representation, and generation of 3D/4D shapes, primarily through deep learning-based approaches.

So far, she has authored about 70 published articles in international journals and conferences, 4 book chapters, and 3 patents.

She is also interested in bridging the gap between theoretical advancements and practical implementations, with potential applications in areas such as animation, virtual reality, healthcare, and robotics.



Edward Choi

Associate Professor, Korea Advanced Institute of Science and Technology (KAIST)

Biography

Edward Choi is an associate professor of Kim Jaechul Graduate School of AI, KAIST. He received his PhD in Georgia Tech, under the supervision of Prof. Jimeng Sun, focusing on interpretable deep learning methods for electronic health records. Prior to joining KAIST, he worked on developing and analyzing large-scale medical prediction models at Google Brain and Google Health. His current research interests include question answering for structured & unstructured data, domain-specific reasoning LLMs, and conversational agents.

Research Interests

- Question answering and reasoning with multi-modal medical data (e.g. database, text, images, times-series data)
- Using self-supervision or reinforcement learning to training LLMs to perform complex/multi-step tasks using reasoning + API-calls.
- Developing conversation agents that can interact with humans or other agents while emulating diverse personas (e.g. patients visiting a hospital and talking to a doctor)
- Developing a personalized conversation agents that can have a long series of dialogue sessions (e.g. over 5 years) with a human user in a consistent manner.



Niloy Mitra

Professor, University College London

Biography

Niloy J. Mitra leads the Smart Geometry Processing group in the Department of Computer Science at University College London and the Adobe Research London Lab. He received his Ph.D. from Stanford University under the guidance of Leonidas Guibas. His research focuses on developing machine learning frameworks for generative models for high-quality geometric and appearance content for CG applications. He was awarded the Eurographics Outstanding Technical Contributions Award in 2019, the British Computer Society Roger Needham Award in 2015, and the ACM SIGGRAPH Significant New Researcher Award in 2013. Furthermore, he was elected as a fellow of Eurographics in 2021 and served as the Technical Papers Chair for SIGGRAPH in 2022. His work has also earned him a place in the SIGGRAPH Academy in 2023. Besides research, Niloy is an active DIYer and loves reading, cricket, and cooking. For more, please visit https://geometry.cs.ucl.ac.uk.

Research Interests

3D geometry (e.g., point clouds, triangle soups, meshes) is now easy to acquire (e.g., using Microsoft Kinect), model (e.g., using Blender), or simply download from model repositories (e.g, Turbosquid). Such low-level data, however, makes subsequent handling and processing difficult, and hinders efficient use of model collections. Hence, I focus on developing computational frameworks to extract high-level geometric abstractions from unorganized and heterogeneous 3D data. Specifically, I concentrate on the following themes:(i) Shape Understanding: Algorithmically understand important relations between objects and object parts in 3D objects, e.g., identify symmetries, detect regular structures, create shape abstractions, or understand invariants and variabilties across model collections.

(ii) Smart Manipulation: Abstract input geometry into structure and variations to explicitly encode non-local constraints. Beyond immediate application to denoising and smart reconstruction, such abstractions immediately allows intuitive and powerful shape manipulation, image-based editing, and constrained shape space exploration.

(iii) Computational Design: The ability to characterize design spaces using collection of (non-linear) constraints opens the possibility to directly optimize on design manifolds leading to fabrication-aware design, guided shape exploration, and in general computational design.



Jaeho Lee

Assistant Professor, Pohang University of Science and Technology (POSTECH)

Biography

Jaeho Lee is an assistant professor at the department of electrical engineering of the Pohang University of Science and Technology (POSTECH), and the director of the Extremely-efficient ML Research Center. Since 2023, he also holds an adjunct position as a research scientist at Google, working on the efficient serving of large language models. He has published over 30 papers at top-tier machine learning conferences, such as NeurIPS, ICLR, or ICML, and works an area chair for the Association for Computational Linguistics. He has earned his M.S. and Ph.D. degrees at the University of Illinois Urbana-Champaign, in 2015 and 2019, respectively.

Research Interests

Jaeho's research focuses on developing theories, algorithms, and systems for making the machine intelligence more efficient. In particular, he is interested in combining empiricism with the mathematical tools of statistical learning, communications, and control to better understand the fundamental tradeoff between the predictive quality, training cost, and inference cost of machine learning models. His research spans all areas of model compression (pruning, quantization, and distillation), optimization, and machine learning safety, and more broadly, general ML.



Dorota Glowacka

Associate Professor, University of Helsinki

Biography

Dorota Glowacka is currently Associate Professor in the Department of Computer, University of Helsinki, Finland, where she leads the Exploratory Search and Personalisation research group. She completed a PhD in Computer Science at University College London (UCL) in 2012. She was a post-doctoral researcher at Helsinki Institute for Information Technology from 2012 to 2017 and then an Assistant Professor at the School of Informatics, University of Edinburgh from 2017 to 2018. She has over 80 peer-reviewed publications in leading conferences, such as ACM CHI and ACM IUI. She has served as chair of numerous international conferences, including Program Chair of 2024 ACM International Conference on Intelligent User Interfaces (IUI).

Research Interests

Dorota Glowacka's interests are at the intersection of artificial intelligence (AI), human-computer interaction (HCI), information retrieval, and recommender systems. My research interests include: human-AI interaction, human-information interaction, intelligent user interfaces, evaluation of AI systems, virtual reality, data intelligence.



Namhoon Lee

Assistant Professor, Pohang University of Science and Technology (POSTECH) Visiting Researcher at Google

Biography

Namhoon Lee is an Assistant Professor in the Department of Computer Science and Engineering (CSE) and the Graduate School of Artificial Intelligence (GSAI) at Pohang University of Science and Technology (POSTECH) in South Korea. Currently, he also works in the Algorithmic Performance Excelerator (APEX) Team at Google as a Visiting Researcher and holds an Adjunct Professorship at Yonsei University. Before joining POSTECH in 2022, he spent a year as an Assistant Professor at Ulsan National Institute of Science and Technology (UNIST). Prior to commencing the faculty and becoming a professional, he received his Ph.D. in Engineering Science at the University of Oxford in 2020 where he worked with Professor Philip Torr in the Torr Vision Group. During his studies, he also worked as a visiting student in the Machine Learning and Optimization Lab by Professor Martin Jaggi at École Polytechnique Fédérale de Lausanne (EPFL) and in the research group of Professor Stephen Gould at Australian National University (ANU). He received his M.S. in Computer Science at Carnegie Mellon University (CMU) in 2015 and his B.S. in Electrical and Computer Engineering at Hanyang University in 2013. He has contributed broadly to machine learning, deep learning, and optimization. His research culminated in many publications at premier international conferences with 4500+ citations in the last 5 years. His work on model optimization has been the first to compress large models before training. He has established a research group at POSTECH named the Computational Optimization Lab in 2022, and since its foundation, he has won 2 best paper awards at the Joint Conference on Korean Artificial Intelligence in 2022 and 2023, and secured 8+ research fundings amounting to over #2.4B Won (KRW) which is approximately €1.6M Euros (EUR).

Research Interests

My research is focused on solving large-scale machine learning problems. This challenge arises frequently in modern machine learning concerning a lot of data and complex learning models. Some examples include understanding the convergence and generalization characteristics of artificial neural networks and developing efficient and robust optimization methods for large foundation models in stochastic

and distributed settings. Some on-going projects include (i) model optimization for large foundation models, (ii) black-box, stochastic, robust, higher-order optimization methods for various deep learning scenarios, and (iii) optimization theory and applications in distributed settings. My research group also aims at translating research findings into practical applications, and in this regard, we have been collaborating with Google since 2022 on large model optimization to this end.



Ali Ramezani-Kebrya

Associate Professor, University of Oslo and Norwegian Centre for Knowledge-driven Machine Learning (Integreat)

Biography

Ali Ramezani-Kebrya is an Associate Professor (with tenure) in the Department of Informatics at the University of Oslo (UiO), a Principal Investigator at the Norwegian Center for Knowledge-driven Machine Learning (Integreat), and the SFI Visual Intelligence, and a member of the European Laboratory for Learning and Intelligent Systems (ELLIS) Society. He serves as an Area Chair of NeurIPS and AISTATS and Action Editor for Transactions on Machine Learning Research.

Before joining UiO, he was a Senior Scientific Collaborator at EPFL, working with Prof. Volkan Cevher in Laboratory for Information and Inference Systems (LIONS). Before joining LIONS, he was an NSERC Postdoctoral Fellow at the Vector Institute in Toronto working with Prof. Daniel M. Roy. He received my Ph.D. from the University of Toronto where he was very fortunate to be advised by Prof. Ben Liang and Prof. Min Dong.

Research Interests

His current research is focused on understanding how the input data distribution is encoded within layers of neural networks using tools from information theory and statistics and developing theoretical concepts and practical tools to minimize the statistical risk under realistic settings. Realistic settings refer to statistical and system characteristics contrary to an ideal learning setting. Ali's recent work covers largescale and distributed ML to handle limited communication and computation resources, in addition to robustness to distribution shifts and adversarial attacks. He is interested in a broad range of applications including but not limited to emotion recognition, marine data, and neuroscience.



Jaejun Yoo

Associate Professor, Ulsan National Institute of Science and Technology (UNIST)

Biography

Jaejun Yoo received the B.S., M.S., and Ph.D. degrees from KAIST, Daejeon, South Korea, in 2007, 2010, and 2018, respectively, under the supervision of Prof. Jong Chul Ye. From 2018 to 2019, he was a technical leader of the Generative Model Team at NAVER AI Lab. From 2020 to 2021, he was a postdoctoral researcher at the Biomedical Imaging Group, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland, working with Prof. Michael Unser. He joined the Graduate School of Artificial Intelligence at Ulsan National Institute of Science and Technology (UNIST) in July 2021 as an Assistant Professor and has been an Associate Professor since March 2025.

Research Interests

His research interests focus on generative models, multimodal representation learning, and computational imaging, with applications in bio/medical, satellite, and dynamic imaging. He views generative models as key tools for learning priors and building world models in an unsupervised way. To promote natural human-Al collaboration, he aims to create intelligent agents that understand multimodal information that capture the physical properties of reality—collaborating with robotics and haptics researchers. His recent projects include long video/3D/4D understanding and generation, federated/lightweight generative models. His research has received more than 7,900 citations with an h-index of 20.



Yongkuk Jeong

Assistant Professor, KTH Royal Institute of Technology, Sweden

Biography

Yongkuk Jeong is an Assistant Professor in Production Logistics at KTH Royal Institute of Technology, Sweden. He holds a PhD in Engineering from Seoul National University and specializes in digital transformation for production and logistics systems. His research focuses on digital twins, Al-driven decision-making, and manufacturing simulation to enhance efficiency, flexibility, and sustainability in industrial operations. Dr. Jeong has led and contributed to international research projects in collaboration with industry and academia, developing AI-assisted solutions for production planning, real-time monitoring, and human-centered cyber-physical systems. His recent work in Industry 5.0 explores intelligent automation and human-machine collaboration to create more adaptive and sustainable production and logistics environments.

He has received research grants from Swedish and EU funding agencies and has published in leading international journals and conferences. In addition to research, he supervises Master's and PhD students on topics such as supply chain visibility, AIenhanced scheduling, and digital twin-based decision-making.

Research Interests

Dr. Jeong's research focuses on making production and logistics systems more intelligent, efficient, and sustainable through advanced digital technologies. He is particularly interested in how AI and digital twins enable real-time, flexible, and adaptive decision-making in production and logistics environments.

His work includes AI-assisted planning and scheduling, integrating data from IoT sensors and operational records for predictive maintenance, and optimizing energy use and resource allocation. He is also exploring the potential of large language models (LLMs) for decision support in industrial applications.

With a strong emphasis on Industry 5.0, Dr. Jeong aims to bridge the gap between automation and human collaboration, designing systems that are not only efficient but also adaptable and human-centric.



Ye Seong Kim

Associate Professor, Daegu Gyeongbuk Institute of Science and Technology (DGIST)

Biography

Prof. Yeseong Kim has been serving as an assistant professor at DGIST since 2020. He completed his BS in Computer Science and Engineering at Seoul National University in 2011, followed by a Ph.D. in the same field from the University of California, San Diego, in 2020. His research focuses on efficient learning methodologies and computing systems. Prof. Kim has contributed to over 80 research papers, which have been featured at leading conferences in the computer systems field, such as DAC, DATE, ICCAD, ISCA, HPCA, and MICRO. His work has garnered several prestigious recognitions, including the Best Paper Award at DATE'22, a nomination for Best Paper at DATE'20, and the Best Industry-Academia Collaboration Research Patent Award from SK Hynix.

Research Interests

- On-Device Generative AI: Optimizing large language models (LLMs) and diffusion models for system efficiency, storage, and performance evaluation.
- Hyperdimensional Computing (HDC): Developing brain-inspired, error-resilient, and symbolic learning methods for AI and robotics applications.
- ML for Systems & Alternative Computing: Exploring Near-Data Processing (NDP), Processing-in-Memory (PIM), and CXL-based architectures for efficient computing.



Willem Waegeman

Associate Professor, Ghent University

Biography

I am an associate professor at Ghent University, and group leader of the BIOML group of the Department of Data Analysis and Mathematical Modelling (<u>www.bioml.ugent.be</u>). My main research interests are machine learning and bioinformatics. Specific interests include uncertainty quantification and complex prediction problems, such as multi-target and structured prediction problems. I am an author of more than 100 peer-reviewed papers in journals and conferences, and my work has won several prizes. In recent years I have served on the program committees of leading conferences in my field (ICML, Neurips, ECML/PKDD, ICLR, UAI, AISTATS, IJCAI, etc.). I am involved in teaching three machine learning and two introductory math courses (more than 300 students annually). I am currently supervising five PhD students.

Research Interests

- Uncertainty quantification
- Multi-target and other complex prediction problems
- Omics data analysis



Kwangju Kim

Director, Electronics and Telecommunications Research Institute (ETRI)

Biography

Dr. Kwang-Ju Kim is an expert in deep learning and computer vision, currently serving as the Director of the AI Infrastructure Research Lab at the Daegu-Gyeongbuk Research Division of the Electronics and Telecommunications Research Institute (ETRI).

He graduated from Gyeongbuk Science High School in 2002 and earned a bachelor's degree in Electrical, Electronic, and Computer Engineering from Kyungpook National University in 2010. He obtained his M.S. in Electrical Engineering from Pohang University of Science and Technology (POSTECH) in 2013 and his Ph.D. in Electrical Engineering from Kyungpook National University in 2020. From 2013 to 2015, he worked as a researcher at General Electric Ultrasound Korea, focusing on medical image analysis technologies. Since joining ETRI, he has been conducting research on Al-based image analysis and signal processing. He has achieved outstanding results in multiple international AI challenges, including first-place finishes at ICCV 2021, CVPR 2023, and ICPR 2024. He is currently an executive board member of the Korea Embedded Engineers Association and the Korea Intelligent Transport Systems (ITS) Society, as well as a faculty member at the ETRI AI Academy, where he contributes to AI technology education and research development.

Research Interests

Dr. Kwang-Ju Kim conducts research on signal processing and AI applications, focusing on deep learning and computer vision. His work spans various domains, including autonomous driving, medical image analysis, sports analytics, and traffic surveillance, where he develops AI-based object detection, tracking, and segmentation techniques with practical applications. He has achieved significant research milestones in AI challenges hosted by major international conferences such as ICCV, ECCV, CVPR, and MICCAI, particularly in computer vision, action recognition, and multi-modal data learning. Additionally, he is interested in integrating AI and signal processing to advance precision medicine and smart city infrastructure. His research also explores improving the interpretability and efficiency of deep learning models. Actively collaborating with industry and research institutions, he strives to bridge academic and industrial advancements in AI technology.



Dario Gregori

Professor, University of Padova

Biography

DG is full professor of medical statistics at University of Padova. After graduation in Statistics at Pennsylvania State University (US) he got a PhD in Applied Statistics in 1995 at University of Firenze. He is Director of the residency program in Medical Statistics and Biometrics and Coordinator of the Ph.D. Program in Specialized and Translational Medicine "G.B.Morgagni" at University of Padova. His interests include clinical predictive modeling and machine learning algorithms for bio-medical research, including big data use for primary and secondary prevention. He holds several grants in this field from national and international agencies. He published more than 700 papers (H-index 54).

Research Interests

DG research interests focus on advanced statistical and machine learning methods applied to biomedical and epidemiological data, particularly predictive modeling to enhance diagnostic accuracy and risk stratification in Non-Communicable Diseases.

Research topics include the use of Generative AI to guide and improve patients-todoctors interactions and in the area of non-coded medical information, including freetext analysis and radiomics.

A specific area of activity is the privacy- and security-preserving study design, particularly leveraging Federated Learning approaches in multicenter and cooperative clinical studies.



Se Hyun Yang

CTO, DNOTITIA

Biography

Se-Hyun Yang is the Chief Technology Officer (CTO) and Lead Architect at Dnotitia, an AI startup founded in 2023. At Dnotitia, he spearheads the development of highperformance, cost-efficient LLM solutions, integrating specialized semiconductors with optimized algorithms to bridge AI and data for enhanced efficiency. With over 20 years of experience in processor, accelerator and system design, Yang previously held key roles at Samsung Electronics, where he contributed to major projects for Samsung's Exynos mobile AP and high-performance computing (HPC) systems. His work included leading the development of Samsung's proprietary ARM-based mobile CPU and GPU and designing AI/HPC processors for data center and supercomputer systems. Before joining Samsung, Yang earned his Ph.D. degree in computer engineering from Carnegie Mellon University, where he specialized in power-aware CPU micro-architecture, focusing on integrating low-power circuit technology with processor and cache design. He also holds B.S. and M.S. degrees in electrical engineering from KAIST, Daejeon, Korea.

Research Interests

Se-Hyun Yang is currently focused on developing advanced data engineering and Al solutions that leverage hardware acceleration and software technologies. Through the fusion of data with AI, he envisions to provide long-term memory to AI and believes it will significantly enhance the efficiency of AI solutions and infrastructures.





On Artificial Intelligence

Celebrating Korea's Association to Horizon Europe

10:00 Registration & Networking

Opening Ceremony			
& Luncheon Reception			

Open event | 1 April 2025

10:30	Opening		
10:35	Welcome Remarks Jeonghyun Ryu, Ambassador of the Republic of Korea Signe Ratso, Deputy Director-General, DG RTD		
10:50	Keynote Speech Lucilla Sioli, Director, EU Al Office		
11:10	Panel discussion "Horizon Europe association & needs and opportunities for Al cooperation" Prof. Se-young Chun, Seoul National University Prof. Petri Myllymaki, University of Helsinki Emmanuelle Chauvin, Policy Officer, DG RTD Sangha Woo, Head of Horizon Europe Team, NRF Simon Pickard, Network Director, Science Business		
11:45	Closing		
12:00	Luncheon Reception		
Researchers Forum Closed event 1-2 April 2025			