Speakers

On-site

Prof. Jeehwan Kim
Massachusetts Institute
of Technology

Prof. Joshua Yang
University of
Southern California

Dr. Anurag Arnab
Google

Dr. Mathilde Caron
Google

Online

Prof. Satofumi Souma
Kobe University

Prof. Yang Chai
The Hong Kong Polytechnic
University

Prof. Cunjiang Yu
Penn State University

Pre-registraion (due Dec. 7)

QR code on the right or the link below
https://forms.gle/ooCjZiJL8Q4toMD89
∗ Lunch and Dinner for Pre-registrants

Further Information

- **Email:** gpswpf999@gist.ac.kr • seulhyekim@gist.ac.kr
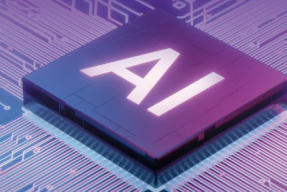- **Phone:** +82-62-715-2267 • +82-62-715-2231

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GIST EECS & AI DAY
Collaborative Workshop for Accelerating Intelligence Semiconductor & AI
SCHOOL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE • AI GRADUATE SCHOOL

2022 GIST EECS & AI Day Collaborative Workshop for Accelerating Intelligence Semiconductor & AI

Date — **December 9, 2022**
8:30 am - 7:00 pm

Place — **Oryong Hall, GIST**

Organizers

- GIST School of EECS, AI Graduate School
- AI Convergence College Support Program

Sponsors

GIST **G-NICS** GIST 'On-A-Hi' Project

AICA Artificial Intelligence Industry Cluster Agency

IEEE Advancing Technology for Humanity

ETRI Electronics and Telecommunications Research Institute

Greetings ●

Dean of EECS, GIST
Prof. Byeong Seung Ham

The School of Electrical Engineering and Computer Science is one of the pillars of GIST with the mission to develop advanced core technologies for the nation and specialized technologies for the region. The school started accepting new enrollments in 1995 and ever since has been dedicated to fostering human resources for next-generation IT and IT-convergent technologies and professionals to take the lead in relevant research disciplines.

I look forward to even more professors and students joining us in our journey, and their continued interest in and support for us.

Thank you.

Dean of AI Graduate School, GIST
Prof. Jongwon Kim

In order to raise globalized AI talents to unite education-research-entrepreneurship together, GIST AI Graduate School has begun its operation since October 2019, as one of AI graduate schools sponsored by Ministry of Science and ICT(MSIT).

Upcoming future will become a new era of open collaboration and destructive innovations.

With the so-called AI+X (i.e., AI for X) approach, where open AI technology effectively meets selected domains (X), the positive iteration cycle for AI collaboration ecosystem can become a reality.

To support this future digital transformation, GIST AI Graduate School will be fully open to all of you.

Thank you.

Program ●

Time	Session	Location / Speaker
08:30~09:00	**Registration & Welcome Reception**	Lobby
09:00~09:10	**Greeting from GIST President**	303 — **Prof. Kiseon Kim** (GIST)
09:10~10:10	**Advanced Heterointegration Enabled by Remote Epitaxy**	303 — **Prof. Jeehwan Kim** (MIT)
10:10~10:30	**Break**	Lobby
10:30~11:30	**Memristive devices for computing**	303 — **Prof. Joshua Yang** (USC)
11:30~12:10	**Rubbery Synaptic Transistor and Integrated System** (Online)	303 — **Prof. Cunjiang Yu** (Penn State U.)
12:10~13:20	**Lunch & EECS Undergraduate Posters**	Lobby / Lounge / Restaurant
13:20~13:30	**Undergraduate Awards**	Lobby — **Prof. Jongwon Kim** (GIST)
13:30~14:30	**Large scale video understanding with transformers**	303 — **Dr. Anurag Arnab** (Google)
14:30~15:10	**Low-power Neuromorphic In-memory Computing** (Online)	303 — **Prof. Yang Chai** (Hong Kong Polytech U.)
15:10~15:30	**Break**	Lobby
15:30~16:10	**Application of machine learning and quantum computational algorithm for semiconductor device simulations** (Online)	303 — **Prof. Satofumi Souma** (Kobe Univ.)
16:10~17:10	**Self-supervised Vision Transformers**	303 — **Dr. Mathilde Caron** (Google)
17:10~18:50	**Dinner & EECS/ AI Graduate Posters**	Lobby / Lounge / Restaurant
18:50~19:00	**Graduate Awards and Closing**	Lobby — **Prof. Byeong Seung Ham** (GIST)

Collaborative Workshop for Accelerating Intelligence Semiconductor & AI

Committee ●

General Chairs
• Prof. **Byeong Seung Ham** (School of EECS, GIST)
• Prof. **Jongwon Kim** (AI Graduate School, GIST)

Technical Program Co-Chairs
• Prof. **Euiseok Hwang** (School of EECS/AI, GIST)
• Prof. **Jeany Son** (AI Graduate School, GIST)
• Prof. **Hyeonho Jeong** (School of EECS, GIST)
• Prof. **Dong-Seon Lee** (School of EECS, GIST)
• Prof. **Young Min Song** (School of EECS, GIST)
• Prof. **Jong Won Shin** (School of EECS/AI, GIST)
• Dr. **Byung-Tak Lee** (ETRI)
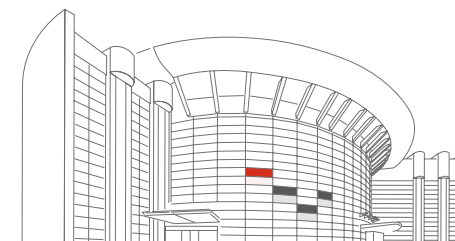
Technical Session Chair

Morning	Prof. **Dong-Seon Lee** (School of EECS, GIST) Prof. **UeHwan Kim** (AI Graduate School, GIST)
Afternoon	Prof. **Jeany Son** (AI Graduate School, GIST) Prof. **Euiseok Hwang** (School of EECS/AI, GIST)

Sponsors ●

• **Welcome Reception sponsored by GIST Sec. Int. Relations**
• **Coffee breaks & Lunch sponsored by GIST 'On-A-Hi' Proj. Plan.**
• **Raffles sponsored by IEEE Gwangju**
• **Dinner sponsored by GIST School of EECS, AI, G-NICS**
• **Event promotion sponsored by AICA and ETRI**

December 9, 2022 / Oryong Hall, GIST