

Closing

1st Korea HEP-FPGA Firmware Developers' Forum 2025

@강릉원주대

Thoughts about the forum

- Thanks again for the support!



Thoughts about the forum

- Tried to cover the basics of making firmware.
 - Tried to make the forum meaningful for you, by having somewhat long hands-on sessions. Hope you learned something new and had fun.



Jaebak Kim (Korea University)



August 28, 2025 (1st Korea HEP FPGA Forum)

Thoughts about the forum

- Have taught about FGPAs to small groups (2-4 people), but first time in teaching 20 people.

- Much more difficult and exhausting than I thought.
- Not able to cover some topics that well due to the lack of time. But I hope I have given you a good starting point.
- Many thanks for the people who setup computers and helped others.

Thoughts about the forum

- Feel free to contact me if you have questions in future

- jaebak at korea.ac.kr

- Would like to ask for feedback using below link

- <https://forms.gle/7UNxWnBgpFc9JMH57>

Thoughts on next possible forum

- Hope to hold another meeting/workshop/forum, where students can show work they have done.
 - Tell us what problems you met. Teach us how you solved those problems. Tell us what things you have learned.
 - Show us how you did things. Teach us new topics, and hold a hands-on session.

Thoughts on next possible forum

- Hope you can become the person, who teaches topics you learned here, instead of me.
- I hope to also cover topics not covered here or topics that were not well covered.
 - Timing, Optical communication, communication protocols, DAQ examples, Handling radiation effects, ...

Thoughts on next possible forum

- Day 1: Tell us about your work.
- Day 2: Teach others (Theory session, Hands-on session)
 - Teach topics we covered in this forum. Hope you could help.
- Day 3: New topics (Theory session, Hands-on session)
 - Teach about topics that was not covered/covered well. Hope you could help.
- Let me know if you have other ideas.

Reason for another forum

- To build a particle physics experiment
 - Need a detector. Korea has expertise in this.
 - Need trigger and DAQ (FPGA).
 - Need computing. Korea has expertise in this.
- Hope we could create a healthy HEP-FPGA community to build exciting new experiments.
 - Will need your help to creating the community.

Future of Korea HEP

- Students are the future of Korea HEP.



- I will be waiting for your exciting results in the future.