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| Division of Electrical, Information and Communication Engineering | Research field | Intelligent Computation and Network | Lab. ID EI20 |
| Laboratory web site | http://www.li-nlab.org/ | | |
| Research subjects | | | |
| <p>The ICNL (Intelligent Computation and Network Laboratory) focuses on the new applications and the fusion of new networking technology and distributed computation to design the future communication infrastructure technologies to meet the emerging societal needs (e.g., Society 5.0, IoT, CPS). The main research topics are provided as follows.</p> <p>1. Metaverse, digital twin, digital human</p> <p>2. Quantum network, disaster-resilient network, the fusion of unmanned aerial vehicles/robots and networks, information-centric network</p> <p>3. Large language model, machine learning</p> <p>4. Blockchain, data security and privacy</p> | | | |
| Master/Doctor course: Education policy, curriculum, typical activity in the laboratory | | | |
| <p>Research themes can be suggested by supervisor for each student, and students can also propose and select the themes. The labroatory has a weekly seminar to check the research progress and suggest the next step research for students. Additionally, there will be on-demand individual meeting. Students are encouraged to read papers, find problems, exchange ideas, write, submit and publish papers in international workshops, conferences, and journals. There will be joint meeting with the laboratories in other universities, collaborations with National Institute of Information and Communications Technology (NICT) and NVIDIA, and potential internship opportunities.</p> | | | |
| Daily life in the laboratory, etc. | | | |
| <p>Each student will be provided with a personal desk space and personal computer.</p> <p>Laboratory provides a high-performance workstation with multiple GPUs (RTX 6000Ada, RTX 6000, RTX 5000), which can be used by students for big data processing.</p> <p>All students are suggested to exist in the laboratory between 10:00 and 17:00 except the holidays.</p> <p>The welcome party, year-end party, and joint training camp are basically held every year.</p> | | | |
| Message or comments by the laboratory faculty staffs | | | |
| <p>The ability to solve a given problem is important, but the curiosity and ability to create new applications, discover new problems and the ability to challenge and solve problems are considered to be even more important. Through the research training, students will acquire creative learning/research abilities, problem-solving abilities, and logical thinking abilities. In addition, to cultivate research and international communication capability, students are encouraged to make presentations, submitting papers in English, participating in international conferences, and interacting with international collaborators.</p> | | | |
| Laboratory mail address | LI Ruidong <lruidong@se.kanazawa-u.ac.jp> | | |