



**SIC-X LAB.**  
Signal, Information, and Communications for everything

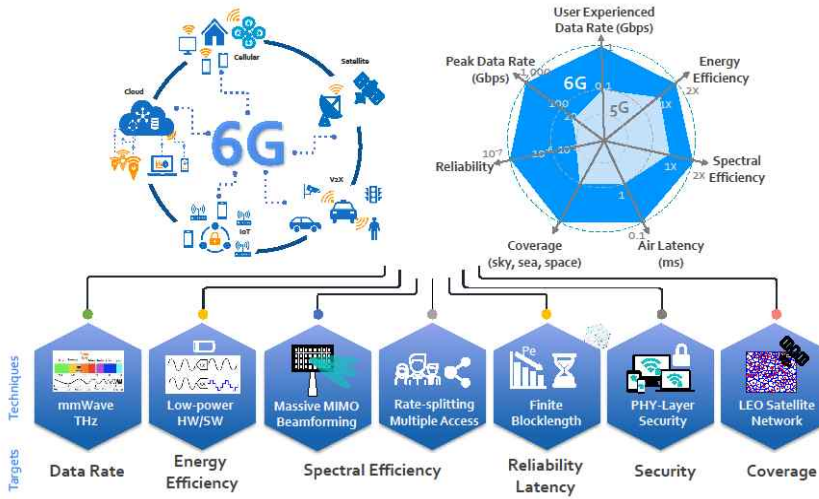
■ Contact information

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■ Current state of the Lab. (in 2025 Spring Semester)

Postdoctoral Fellows: 0      Ph.D. Students: 4      Master's Students: 8

■ Research Areas



Our current research directions include, but not limited to: energy efficient MIMO system design, information security, IoT communications, satellite communications, next generation multiple access, and machine learning for communications.

■ Recommended courses & Career after graduation

- Linear algebra, Probability and stochastic processes, Information theory, Wireless communications, Optimization, Algorithms, and Machine learning
- Graduates of SIC-X lab. are playing roles in research activities as professors in academia
- Qualcomm, Samsung, SKT, KT, ETRI, ADD, KRIT, etc. as researchers in industry

■ Introduction to the Lab

Our lab is Signal, Information, and Communications laboratory (SIC-X LAB.). Our primary research interest is to develop and analyze future wireless systems (beyond 5G and 6G) with communication theory, information theory, signal processing, convex optimization, and machine learning. SIC-X LAB. Openings: SIC-X LAB. is now seeking prospective interns who are highly motivated for research and interested in 6G communications and machine learning algorithms. If you have any interest, please contact us.

■ Introduction to other activities besides research

- International and domestic conference participation
- Athletic competition
- Regular dining out

■ Recent research achievements

2021~2025: 23 Top journal (TWC, TCOM, etc.) papers and 16 flagship conference (ICC, WCNC, etc.) papers