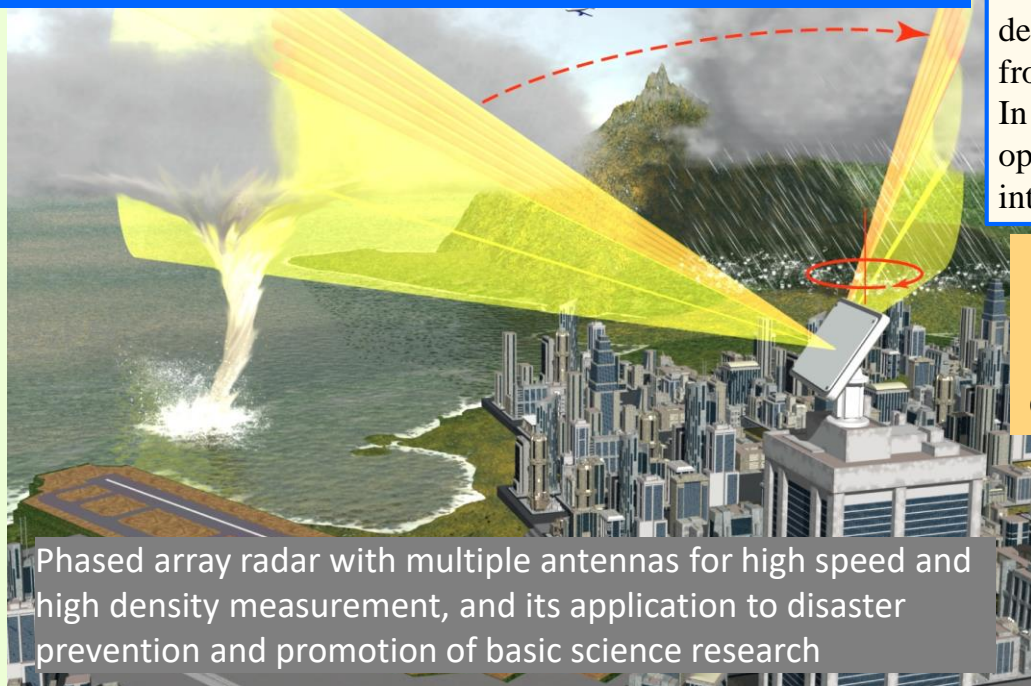


# Sensing System Area

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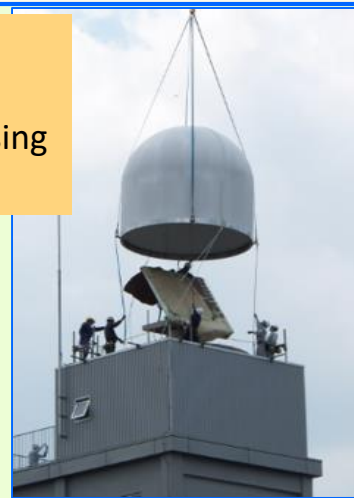
## Electromagnetic sensing system



## Research Area

In this area, we conduct a wide range of studies based on the research and development of remote sensing systems, from the basics to applications, and from hardware to software, through the study of new measurement methods. In addition, we also conduct research on the basic theory of mathematical optimization, soft computing (support vector machine, chaos theory, swarm intelligence,) and its applications based on system optimization.

- Development of a broadband radar network
- Development of phased array radar
- Rainfall observation using radar, Remote sensing of the global environment from a satellite



## Intelligent infrastructure maintenance management using support vector machines

Systems Engineering, Mathematical and Intelligent Informatics, Soft computing

