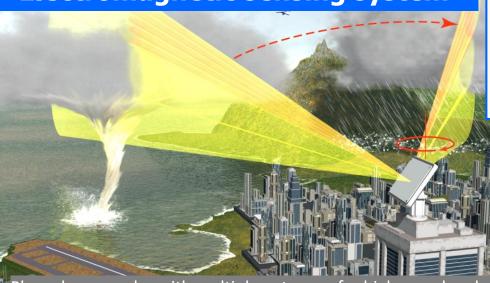
Graduate School of Engineering, Division of Electrical, Electronic and Infocommunications, Osaka University Sensing System Area Professor: Tomoo Ushio Associate Professor: Keiji Tatsumi

Research Area

Electromagnetic sensing system



Phased array radar with multiple antennas for high speed and high density measurement, and its application to disaster prevention and promotion of basic science research

Intelligent infrastructure maintenance management using support vector machines

Systems Engineering, Mathematical and Intelligent Informatics, Soft computing



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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

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.

Assistant Professor: Yuki Wada



