Satellite-Based Forest Structure Mapping

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Message from the Guest Editors

Burgeoning stressors on Earth's forest ecosystems imposed by changing climate, population growth, and exotic insects and pathogens challenge us to develop novel, satellite-based solutions to our planet's most vexing adaptation problems. Hence, this Special Issue welcomes articles dedicated to the advancement of satellite-based sensor systems, methodologies, and solutions that improve, expand, or automate forest structure, status, and health monitoring efforts.

Potential topics for this Special Issue include, but are not limited to, the following:

Pre-visual detection, identification, and assessment of biotic and abiotic forest stressors;
Forest productivity and ecosystem dynamics;
Response of forest ecosystems to climate change;
Vertically intelligent forest structure and moisture status assessment;
Novel data fusion analyses for forest dynamics monitoring and modeling;
Regional fire risk monitoring and modeling;
Cloud-based forest structure mapping.

Special Issue

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Message from the Editor-in-Chief

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