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Electronics, Close-Range Sensors and Artificial Intelligence in Forestry

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This Special Issue is intended to cover the whole range of applications, as is typical to forestry and forest engineering in which one or more of the following could be addressed by high-quality research or review papers: Moving from traditional to computer-aided time consumption and productivity studies and models, and from traditional to advanced methods to estimate forest growth, production, dynamics and disturbance; Enhancing big-data collection, analysis and augmentation using integrated or external electronics, computers and sensor systems; Development, validation, and use of human and forestry equipment activity recognition models developed using smart watches, smart phones, micro-electric sensors and Internet-of-Things devices; Applications of virtual reality, teleoperation, telematics, and robotics in forestry; Application of close-range sensing to solve important problems in forestry and forest operations; Development and/or implementation of intelligent algorithms and artificial intelligence (AI) for multivariate analyses, classification and event-based management in forestry and forest engineering and so on.



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