Formal Verification of Imaging Algorithms for Autonomous System

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

We request contributions presenting techniques (methods, tools, ideas, or even market evaluations) that will contribute to the future roadmap of formally verifiable imaging algorithms with applications in real-world domains. We welcome papers combining both analytical (formal robustness verification, scenario generation, formally verifiable training procedures, falsification, etc.) and data-driven approaches (e.g., statistical and topological analysis of artificial neural network) that would support the formal verification of imaging algorithms. Scientifically founded innovative and speculative research lines are welcome for proposal and evaluation.

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Special Issue

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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