Special Issue

Machine Automation & Autonomy in Agriculture

Message from the Guest Editors

This Special Issue intends to collect international, cutting-edge research outputs that will accelerate the automation of agricultural equipment. We encourage you to consider the opportunities for impact magnification enabled by this journal's open-access format and open-source spirit. Contributions to this Special Issue are encouraged from research related to, but not limited to, the following areas:

- Modeling, development, and testing of technologies enabling the transition from partial automation to full autonomy;
- Machine automation applications in row crops, specialty crops, livestock, forestry, and other agricultural sectors at various scales;
- Systems analysis of agricultural automation on techno-economic, infrastructure, agronomic, energy, sustainability areas, etc.;
- Human factor explorations of interactions with automated and autonomous machine systems;
- Integration of emerging digital agricultural insights into automated machine systems;
- Individual and/or scalable distributed machine systems;
- Path planning and route optimization of agricultural machine systems;
- Alternative energy utilization and storage systems enabled via automation.

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Deadline for manuscript submissions

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