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potentials

THE MAGAZINE FOR HIGH-TECH INNOVATORS

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Drone Technology

IEEE Potentials Theme Issue

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IEEE Potentials is the IEEE's global magazine for students, with a circulation of 140,000. Unmanned aerial vehicles (UAVs), also commonly known as drones, are reshaping our world: from traffic surveillance to crop monitoring photography to parcel delivery. The best is yet to come, however. Drone technology is advancing on all fronts to have more endurance, longer range, wider application, and more capability while becoming safer than ever. In this theme issue, these breakthroughs will be explained to our student audience by the leading researchers and practitioners.

Topics include but are not limited to:

- Sensors for UAVs
- Autonomy
- Navigation, path-planning, and on-board decision making
- Standards
- Mechanical design
- Counter-drone technology
- Legal and regulatory aspects
- Networking and coordination ("swarming")
- UAV-based change detection
- Sense and avoid
- UAV onboard data storage, transmission, and retrieval
- UAV applications including traffic management, agriculture, environmental monitoring, and search and rescue

Submission of Papers: Prospective authors are invited to submit articles of up to 4,000 words. Articles should be aimed at a student audience and should not include original research. *IEEE Potentials* style requires no abstract, no citations within the main text, and minimal equations but the use of relevant, captioned illustrations and photographs is encouraged. For more information, refer to the magazine's information for authors. Articles for consideration should be uploaded to mc.manuscriptcentral.com/pot-ieee.

Important Dates

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