



# Drones and autonomous systems at work: new technologies and ethical issues

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The rapid advance in drone and autonomous robot technologies means systems are fast being developed for deployment in work environments, both indoor and outdoor. Often, the motivation for developing a new system is to aid human work rather than replace it, involving direct human-system interfaces that require ethical user-centred design considerations. However, even systems created to completely replace manual tasks will inevitably involve some degree of human impact in the wider environment or community that demands careful ethical design.

This special session aims to gather multidisciplinary contributions that reflect current thinking and progress in this area of robotics to share, discuss and challenge ideas and expectations. We encourage both empirical and theoretical submissions from all perspectives: technological, human / social, legal, regulatory, etc.

Topics of interest include, but are not limited to the following:

- New technologies and technology integration for safety and performance
- Trustworthiness and responsible design for users and environments
- Standards and regulatory frameworks for autonomous work systems
- User-centred autonomous architectures and interfaces
- Creating autonomous systems that help but do not hinder human work

**Submissions:** We invite authors to submit papers that are no more than 12 pages long, including figures, but excluding references. All papers for the workshop must be submitted, in the same format as ICRES papers, <https://clawar.org/icres2023/instructions-to-authors/-by> the 30th of April, referring to the title of the workshop at the top. Notification of paper acceptance: 15th of May. Submission of final version- 1 st of June. At least one author of each accepted paper must attend the workshop

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