

PARTICIPANT INFORMATION STATEMENT v1.0

Explainable On-Board AI for Safe-Landing Site Selection in Lost-Link Drone Emergencies

The purpose of the research is to assess how accurately and clearly an autonomous on-board AI “co-pilot” can choose and justify a safe landing site when a drone loses its control link, and to gather expert feedback that will guide future improvements to emergency-landing technology for unmanned aircraft.

The research project is being conducted by Hans Nicholas Kalsi at Coventry University. You have been selected to take part in this questionnaire survey because you are an experienced aircraft pilot. Your participation in the survey is entirely voluntary, and you can opt out at any stage by closing and exiting the browser. If you are happy to take part, please answer the following questions relating to our study of an AI “co-pilot” for safe-landing site selection during lost-link drone emergencies. Your answers will help us to evaluate the system’s performance and refine its design for future emergency-landing guidance. The survey should take approximately 60 minutes to complete.

Your answers will be treated confidentially and the information you provide will be kept anonymous in any research outputs/publications. All information will be handled in accordance with Coventry University Policies, Standards, and Procedures, including our Research Ethics and Integrity Statements and our Research Privacy Notice available on our website at <https://www.coventry.ac.uk/gdpr-and-data-protection/privacy-notices/>.

The research was granted ethics approval through Coventry University’s Research Ethics review and approval process (currently needs this document to be approved) [ethics reference: P186943].

For further information, or if you have any queries, please contact the lead researcher Hans (kalsih6@coventry.ac.uk) and/or project supervisor Dr. Mark Elshaw (ab0487@coventry.ac.uk). If you have any concerns that cannot be resolved through the lead researcher or supervisor, please contact ethics.uni@coventry.ac.uk.

Thank you for taking the time to participate in this survey. Your help is very much appreciated.

- I have read and understood the above information.
- I understand that, because my answers will be fully anonymised, it will not be possible to withdraw them from the research once I have completed the questionnaire survey and the data has been pooled for analysis.
- I confirm that I am aged 18 or over.
- I agree to take part in this questionnaire survey.