A Lightweight and Practical UAV Authentication System Implementation based on Proof-of-History Blockchain

Authors

Author 1: Huijuan Hu
Lecturer
School of Computer Science
Nanjing University of Posts and Telecommunications
Nanjing, China
Email: hhj@njupt.edu.cn

Author 2: Muntasir Al Mamun
College of Overseas Education
Nanjing University of Posts and Telecommunications
Nanjing, China
Email: f22040119@njupt.edu.cn

Author 3: Ping Tan
Assistant Professor
College of Tongda
Nanjing University of Posts and Telecommunications
Nanjing, China
Email: tanping5.20@njupt.edu.cn

Author 4 (Corresponding Author): He Xu
Professor
School of Computer Science
Nanjing University of Posts and Telecommunications
Nanjing, China

Email: xuhe@njupt.edu.cn

Corresponding Author Information:
Professor He Xu
School of Computer Science
Nanjing University of Posts and Telecommunications
Email: xuhe@njupt.edu.cn

Acknowledgements:

This research was supported by Nanjing University of Posts and Telecommunications. The authors would like to thank the School of Computer Science, College of Tongda, and College of Overseas Education for their support and resources. We also acknowledge the use of Microsoft AirSim and PX4 Software-in-the-Loop (SITL) simulation environments for the implementation and validation of our system.

Declarations:

Funding: This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors.

Conflict of Interest: The authors declare that they have no conflicts of interest.

Data Availability: The simulation data and code used in this study are available from the corresponding author upon reasonable request.