

FOREWORD

The RAeS 2023 written paper prizes

The Royal Aeronautical Society has been honouring outstanding achievers in the global aerospace industry since 1909 when Wilbur and Orville Wright came to London to receive the Society's first Gold Medal. In the years that have followed, honouring world aerospace achievers has become a permanent tradition of the Society. Included among these awards are the written paper prizes.

The Royal Aeronautical Society Written Paper Prizes are awarded annually for the best papers published in *The Aeronautical Journal* by the Society during the previous calendar year. Awards can be conferred at Gold, Silver or Bronze level. The Written Paper Prizes are presented following the approval of the Council of the Royal Aeronautical Society on the basis of recommendations from the RAeS Medals & Awards Committee, supported by the Editor-in-Chief of *The Aeronautical Journal*. The Society recognises the achievements, innovation and excellence of both individual and multiple authors. A prize celebrating younger authors (under 35) is given under the Young Persons' Written Paper Prize award while the best paper to appear in the Journal of Aeronautical History is also awarded.

As ever, the nominations received for the 2023 Awards were highly competitive and on behalf of the RAeS Council, the Medals and Awards Committee are very pleased to announce the winners as:

The 2023 Silver Written Paper Prize

Awarded to: **G. Padfield and L. Linghai**

The potential impact of adverse aircraft-pilot couplings on the safety of tilt-rotor operations
The Aeronautical Journal, **126**, (1304), October 2022, pp 1617–1647

Awarded to: **J. Källström, R. Granlund and F. Heintz**

Design of simulation-based pilot training systems using machine learning agents
The Aeronautical Journal, **126**, (1300), June 2022, pp 907–931

Awarded to: **C.P. Nasoulis, V.G. Gkoutzamanis and A.I. Kalfas**

Multidisciplinary conceptual design for a hybrid-electric commuter aircraft
The Aeronautical Journal, **126**, (1302), August 2022, pp 1242–1264

The 2023 Bronze Written Paper Prize

Awarded to: **W. Johnson and C. Silva**

NASA concept vehicles and the engineering of advanced air mobility aircraft
The Aeronautical Journal, **126**, (1295), January 2022, pp 59–91

Awarded to: **J.J. McGuirk**

Propulsive jet aerodynamics and aeroacoustics
The Aeronautical Journal, **126**, (1295), January 2022, pp 2–58

Awarded to: **A. Oren and O. Sahin**

The flight efficiency analysis on the Multi-Arrival Route Point Merge System
The Aeronautical Journal, **126**, (1299), May 2022, pp 755–767

Awarded to: **R.A. McDonald, B.J. German, T. Takahashi, C. Bil, W. Anemaat, A. Chaput and R. Vos and N. Harrison**

Future aircraft concepts and design methods

The Aeronautical Journal, **126**, (1295), January 2022, pp 92–124

The 2023 Young Persons' Written Paper Prize

Awarded to: **R. Niemiec, F. Gandhi and N. Kopyt**

Relative rotor phasing for multicopter vibratory load minimisation

The Aeronautical Journal, **126**, (1298), April 2022, pp 710–729

Awarded to: **W.A. Memon, M.D. White, G.D. Padfield, N. Cameron and L. Lu**

Helicopter Handling Qualities: A study in pilot control compensation

The Aeronautical Journal, **126**, (1295), January 2022, pp 152–186

***Journal of Aeronautical History* Written Paper Prize**

Awarded to: **T. Pilmer and B. Read**

The RAeS and the 1921 Cross-Channel Air Transport Crisis

June 2022

<https://www.aerosociety.com/publications/jah-the-raes-and-the-1921-cross-channel-air-transport-crisis/>

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