



AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

CERTIFICATE OF MERIT

2022 AIAA GAS TURBINE ENGINE BEST PAPER AWARD

**“An Experimental Study on the Dynamic Ice
Accretion Process over the Surfaces of the Rotating
Fan Blades of an Aero-Engine Model”**

(AIAA 2022-2435)

Authors:

Linchuan Tian, Linkai Li, Haiyang Hu, and Hui Hu,
Iowa State University

Paper Presentation:

AIAA 2022 Science and Technology Forum and Exposition
January 2022 • San Diego, CA



Handwritten signature of Laura J. McGill in black ink.

Laura J. McGill
AIAA President

Handwritten signature of Jeffrey W. Hamstra in black ink.

Jeffrey W. Hamstra
AIAA Chief, Technical Activities

November 11, 2022

AUTHORS: Linchuan Tian, Linkai Li, Haiyang Hu, and Hui Hu, Iowa State University

Dear Authors:

On behalf of the Gas Turbine Engines Technical Committee, it is my pleasure to inform you that your technical paper, “An Experimental Study on the Dynamic Ice Accretion Process over the Surfaces of the Rotating Fan Blades of an Aero-Engine Model” (AIAA 2022-2435) has been chosen as the 2022 AIAA Gas Turbine Engine Best Paper from SciTech 2022.

AIAA is proud to celebrate the authors of innovative research presented at our forums, and your peers wish to recognize you for your efforts.

Please see your attached Certificate of Merit. You are invited to the Gas Turbine Engines Technical Committee meeting during SciTech 2023 on Tuesday, 24 January from 0930 – 1100 in National Harbor 1. Please RSVP if you will be in attendance to Chris Marks (cabb20045@gmail.com) by 13 January.

AIAA seeks to provide lasting recognition to our Best Paper authors. We will also recognize your accomplishment in other ways:

- Your paper will receive a “Best Paper” designation in the online library: Aerospace Research Central (ARC) arc.aiaa.org that will last in perpetuity;
- Your paper will be listed in the November 2023 print issue of Aerospace America as a Best Paper Award winner;
- Your paper will be listed on the SciTech 2023 recognition webpage as an award winner and will also be listed on the main AIAA Best Papers webpage under your technical group.

AIAA is pleased to be able to recognize your hard work and commitment to the aerospace community in this way. Again, congratulations on this well-deserved honor!

Sincerely,

Eric Ruggiero, Chair
Gas Turbine Engines Technical Committee
eric.ruggiero@ge.com

cc:

Chris Marks, Honors and Awards Subcommittee, cabb20045@gmail.com