

Scheduled Maintenance: On Saturday, 16 March 2024, IEEE Xplore will undergo necessary technical work from 9:00 AM EDT (1300 UTC) to 2:00 PM EDT (1800 UTC) to improve system reliability and stability. During this time, the site will be unavailable. We apologize for any inconvenience.

IEEE.org IEEE Xplore IEEE SA IEEE Spectrum More Sites

Donate Cart Create Account Personal Sign In

Access provided by:
HIRASUGAR INSTITUTE
OF TECHNOLOGY

Sign Out

Access provided by:
HIRASUGAR INSTITUTE
OF TECHNOLOGY

Sign Out

Browse ▾ My Settings ▾ Help ▾

Access provided by:
HIRASUGAR INSTITUTE
OF TECHNOLOGY

Sign Out

All ADVANCED SEARCH

Conferences > 2022 2nd International Confer... ?

AI Aero Science Model To Predict Security And To Improve The Fault Space System

Publisher: IEEE Cite This PDF

Pankaj Ramakant Kunkar ; Mohammed Azam ; R.R. Maggavi ; Anita Gehlot ; Basuthkar Mahesh ; Giriraj Kumar Prajapati All Authors ...

59 Full Text Views

Alerts

Manage Content Alerts Add to Citation Alerts

Abstract

Document Sections

I. Introduction

II. Objective

III. Methodology

IV. Artificial Intelligence in Aero Science

V. Air Safety Trends Can Be Monitored Using Proactive Identification

Show Full Outline ▾

Authors

Figures

References

Keywords

Metrics

More Like This

Download PDF

Abstract:Over the past two years, information sharing and collaboration between pilots, supervisors, developers and maintenance workers has led to significant improvements in avia... **View more**

► Metadata

Abstract:Over the past two years, information sharing and collaboration between pilots, supervisors, developers and maintenance workers has led to significant improvements in aviation safety. As the volume of information sharing increases, it has become necessary to integrate intelligence (AI) principles and to learn in-depth processes, data-driven structures to predict behavior, search patterns, and discover hidden secrets. In-depth learning systems can be used in the near future. For example, face security systems currently only use surveillance data to predict and report inconsistencies and conflicts, which may result in alarm delays or malfunction. AI, especially machine learning (ML), still had a long way to go before it was widely used in the application field, but was already integrated into new technologies. One area that AI explores is in the field of satellite operations, particularly to support the sale of large satellite stars, which include relative positions, communications, life management, etc.

Published in: 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)

Date of Conference: 28-29 April 2022

Date Added to IEEE Xplore: 18 July 2022

DOI: 10.1109/ICACITE53722.2022.9823929

Publisher: IEEE

► ISBN Information:

Conference Location: Greater Noida, India

☰ Contents

I. Introduction

Over the last two decades, information exchange and teamwork among pilots, regulators, producers, and maintenance employees has resulted in significant advancements in aviation safety. As the volume of shared data grew, it became necessary to incorporate artificial intelligence (AI) principles and deep learning approaches into complicated, data-driven models to forecast behaviors, discover patterns and find hidden insights.

Authors	▼
Figures	▼
References	▼
Keywords	▼
Metrics	▼

More Like This

Security of Satellite-Terrestrial Communications: Challenges and Potential Solutions
IEEE Access
Published: 2022

Reinforcement Learning for Security-Aware Computation Offloading in Satellite Networks
IEEE Internet of Things Journal
Published: 2022

Show More

IEEE Personal Account

CHANGE
USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED
DOCUMENTS

Profile Information

COMMUNICATIONS
PREFERENCES
PROFESSION AND
EDUCATION
TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800
678 4333
WORLDWIDE: +1 732
981 0060
CONTACT & SUPPORT

Follow



About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | IEEE Ethics Reporting | Sitemap | IEEE Privacy Policy

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2024 IEEE - All rights reserved.

IEEE Account

- » Change Username/Password
- » Update Address

Purchase Details

- » Payment Options
- » Order History
- » View Purchased Documents

Profile Information

- » Communications Preferences
- » Profession and Education
- » Technical Interests

Need Help?

- » US & Canada: +1 800 678 4333
- » Worldwide: +1 732 981 0060

» Contact & Support

About IEEE *Xplore* | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.
© Copyright 2024 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.