

Елфимова Карина Владимировна, КС-33, 2025

Тема:

«Методы повышения безопасности полетов на основе анализа данных бортовых систем»

Ключевые слова для темы: "aviation safety" AND "onboard system" OR "airport security"

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Publishing model Open access (155)

2020–2025

Article
Assessment of airport security culture in Nigeria
The increase in technology and other parameters for security does not guarantee the expected secured airports without the appropriate behaviour, ...
Adedotun Joseph Adenigbo in *Journal of Transportation Security*
27 February 2024 | [Open access](#)

Article
Comparative policy analysis in airport security through the lenses of the multiple-streams framework
After the terrorist attack on September 11, 2001 (9/11), the Transportation Security Agency (TSA) emerged and presented a new theoretical, practical, ...

Рисунок 1. Поиск по ключевым словам

Релевантные статьи

1. Airport security: the impact of AI on safety, efficiency, and the passenger experience - Eugene Pik, 2024

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Airport security: the impact of AI on safety, efficiency, and the passenger experience

Review | Published: 08 April 2024
Volume 17, article number 9, (2024) [Cite this article](#)



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Eugene Pik 

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2. A systematic review of passenger profiling in airport security system: Taking a potential case study of CAPPS II - Ajay Sudharshan Satish, Akul Mangal, Prathamesh Churi, 2024

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A systematic review of passenger profiling in airport security system: Taking a potential case study of CAPPS II

Review | Published: 05 July 2023
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3. Design of airport security screening using queueing theory augmented with particle swarm optimization - Mohamad Naji, Ali Braytee, Ahmed Al-Ani, Ali Anaissi, Madhu Goyal & Paul J. Kennedy, 2020

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Design of airport security screening using queueing theory augmented with particle swarm optimisation

Special Issue Paper | Published: 23 March 2020
Volume 14, pages 119–133, (2020) [Cite this article](#)



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4. Assessment of airport security culture in Nigeria - Adedotun Joseph Adenigbo, 2024

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5. Enhanced detonators detection in X-ray baggage inspection by image manipulation and deep convolutional neural networks - Lynda Oulhissane, Mostefa Merah, Simona Moldovanu & Luminita Moraru, 2023


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Enhanced detonators detection in X-ray baggage inspection by image manipulation and deep convolutional neural networks


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Volume 13, article number 14262, (2023) [Cite this article](#)



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Результаты IF журналов, в которые входят вышеперечисленные статьи.

Для 1, 2 и 4 статей:

Journal of Transportation Security, Springer New York - United States

Journal of Transportation Security

COUNTRY United States  Universities and research institutions in United States  Media Ranking in United States	SUBJECT AREA AND CATEGORY Decision Sciences └ Management Science and Operations Research Social Sciences └ Law └ Political Science and International Relations └ Safety Research └ Sociology and Political Science └ Transportation	PUBLISHER Springer New York	SJR 2024 0.247 Q2 H-INDEX 20
PUBLICATION TYPE Journals	ISSN 19387741, 1938775X	COVERAGE 2008-2025	INFORMATION Homepage How to publish in this journal

3 статья:

Service Oriented Computing and Applications, Springer London - United Kingdom



Service Oriented Computing and Applications

COUNTRY United Kingdom  Universities and research institutions in United Kingdom  Media Ranking in United Kingdom	SUBJECT AREA AND CATEGORY Business, Management and Accounting └ Management Information Systems Computer Science └ Hardware and Architecture └ Information Systems └ Software	PUBLISHER Springer London	SJR 2024 0.361 Q2 H-INDEX 33
PUBLICATION TYPE Journals	ISSN 18632386, 18632394	COVERAGE 2007-2024	INFORMATION Homepage How to publish in this journal

5 статья:

Scientific Reports, Nature Research – United Kingdom

Scientific Reports


<p>COUNTRY</p> <p>United Kingdom</p> <p> Universities and research institutions in United Kingdom</p> <p> Media Ranking in United Kingdom</p>	<p>SUBJECT AREA AND CATEGORY</p> <p>Multidisciplinary</p> <p>└ Multidisciplinary</p>	<p>PUBLISHER</p> <p>Nature Research</p>	<p>SJR 2024</p> <p>0.874 Q1</p> <p>H-INDEX</p> <p>347</p>
<p>PUBLICATION TYPE</p> <p>Journals</p>	<p>ISSN</p> <p>20452322</p>	<p>COVERAGE</p> <p>2011-2025</p>	<p>INFORMATION</p> <p>Homepage</p> <p>How to publish in this journal</p> <p>scientificreports@nature.com</p>

Авторы

Возьмем первые имена в каждой из предыдущих статей. Для поиска индекса Хирша воспользуемся Scopus и Google Scholar.

1. Pik, Eugene

Pik, Eugene

Embry-Riddle Aeronautical University, Daytona Beach, United States • Scopus ID: 58976595300 •  [0000-0001-6296-919X](#)

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Citations by 13 documents

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документы

1

h-ИНДЕКС

2. Prathamesh Churi (Prof. Patrick)



Prathamesh Churi (Prof. Patrick)

Chief of Staff (Information Security) and Lead, Data Protection, SMFG India Credit
Verified email at ieee.org

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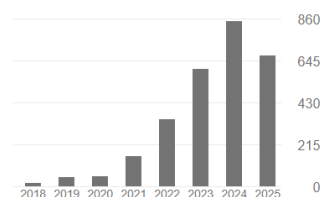
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TITLE	CITED BY	YEAR
Virtual reality as pedagogical tool to enhance experiential learning: a systematic literature review MM Asad, A Naz, P Churi, MM Tahanzadeh Education Research International 2021 (1), 7061623	345	2021
A systematic review on AI-based proctoring systems: Past, present and future A Nigam, R Pasricha, T Singh, P Churi Education and Information Technologies 26 (5), 6421-6445	306	2021
Integration of e-learning technologies for interactive teaching and learning process: an empirical study on higher education institutes of Pakistan MM Asad, N Hussain, M Wadho, ZH Khand, PP Churi Journal of Applied Research in Higher Education 13 (3), 649-663	224	2021

Cited by

	All	Since 2020
Citations	2839	2746
h-index	26	25
i10-index	47	44



3. Mohamad Najji




Mohamad Najji

Mohamad.najji@student.uts.edu.au

Подтвержден адрес электронной почты в домене student.uts.edu.au

[Computer Science](#)

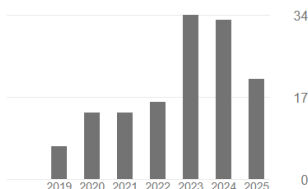
 ПОДПИСАТЬСЯ

[СОЗДАТЬ СВОЙ ПРОФИЛЬ](#)

НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Gaussian kernel parameter optimization in one-class support vector machines A Anaissi, A Braytee, M Najji 2018 International Joint Conference on Neural Networks (IJCNN), 1-8	24	2018
Airport Security Screening Process: A review M Najji, Al-Ani, S Abdelhalim, Al-Kilidar H CICTP 2017	21	2017
Design of airport security screening using queueing theory augmented with particle swarm optimisation M Najji, A Braytee, A Al-Ani, A Anaissi, M Goyal, PJ Kennedy Service Oriented Computing and Applications 14 (2), 119-133	17	2020
Multi-objective variational autoencoder: an application for smart infrastructure maintenance	16	2023


Процитировано

	Все	Начиная с 2020 г.
Статистика цитирования	140	132
h-индекс	7	7
i10-индекс	7	7



4. Adedotun Joseph Adenigbo

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5. Kernadi, Mostefa

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Патенты:

Поиск по некоторым авторам.

1. (Eugene AND Pik)/IN – не дал результата. Как и (Akul and Mangal)/IN
2. Prathamesh Churi – не делал патентов по данной тематике

#	Title	Publication	1st app. date	Applicant/Assignee	Family grouping
1	Lightweight data sharing protocol for vanet	IN202021032638	2020-07-30	Churi Pratha...	100 %
2	Velocity and Network Condition Based Network Selection Method for WiMAX/WLAN Integrated Networks	AU2020102358	2020-09-21	CHURI PRATH...	99 %
3	Privacy-preserving Authentication and Key-Management Protocol for Health Information System	AU2021101195	2021-03-07	CHURI PRATH...	94 %
4	Method for predicting disease using machine learning	IN202011032563	2020-07-29	Churi Pratha...	93 %

3. Общий поиск (все через OR)

За 2020-2025 найдено 1282 патентов.

#	Title	Publication	1st app. date	Applicant/Assignee	Family grouping
1	Airport security inspection channel resource allocation method, system, equipment and storage medium	CN114548743	2022-02-18	CTRIP TRAVEL...	100 %
2	Optimizing airport security clearance with deep learning: an rcnn-based approach	IN202441044079	2024-06-06	Muruganandam V	100 %
3	Data synchronization method, device and medium of airport security	CN118394840	2024-04-29	CAPITAL AIRP...	99 %
4	Airport security check data processing method and related device	CN119597816	2024-11-15	CHINA TRAVE...	99 %
5	Novel airport security door	CN215340385	2021-03-17	MANGO AIRLI...	99 %
6	Civil aviation airport security monitoring device	CN217951730	2022-06-17	CIVIL AVATIO...	99 %
7	Airport security inspection contraband automatic identification system	CN118671858	2024-08-22	CIVIL AVATIO...	99 %
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9	Airport security inspection auxiliary method based on radio frequency signals	CN114280084	2021-12-23	CIVIL AVATIO...	98 %
10	Novel airport security door	CN221465771	2023-12-15	XI AN AERONA...	98 %
11	Rotary metal searchlighting device for airport security	CN113568061	2021-06-09	BEIJING SAM...	98 %
12	Aviation safety belt retractor	CN221162653	2023-12-09	JIANGXI WEIK...	98 %
13	Civil aviation safety supervision efficiency evaluation method	CN114358650	2022-01-17	CHINA CIVIL A...	98 %
14	Airport security inspection method	CN117857746	2023-12-22	BEIJING GLOB...	98 %

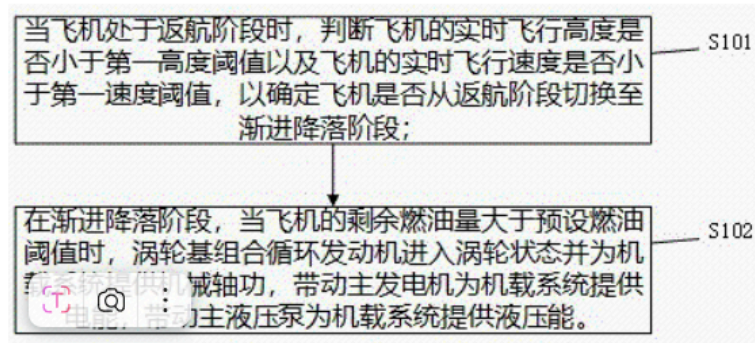
Protected countries
Granted: CN

List of publications
Cnmaria nantate (中)

Пример патентов:

1.

Energy supply method and device for aircraft onboard system



List of publications

Publication date

Compare patents

Application number 2023CN-1177172 Date 2023-09-13 Register

CN116902210 B - Granted patent for invention	2023-12-05	
CN116902210 A - Published application	2023-10-20	

Priority Numbers & Dates 2023CN-1177172 2023-09-13

Abstract

The invention relates to an energy supply method and device for an aircraft airborne system, and the method comprises the steps: judging whether the real-time flight height of an aircraft is smaller than a first height threshold value or not and whether the real-time flight speed of the aircraft is smaller than a first speed threshold value or not when the aircraft is in a return flight stage, so as to determine whether the aircraft is switched from the return flight stage to a progressive landing stage or not; in the gradual landing stage, when the residual fuel quantity of the aircraft is larger than a preset fuel threshold value, the turbine-based combined cycle engine enters a turbine state and provides mechanical shaft work for the airborne system, drives the main generator to provide electric energy for the airborne system and drives the main hydraulic pump to provide hydraulic energy for the airborne system. Compared with the prior art, in the scheme, the turbine-based combined cycle engine is switched to the turbine state from the stamping state from the return flight stage to the progressive landing stage of the aircraft, so that the turbine-based combined cycle engine can provide mechanical shaft work for an airborne system when in the turbine state; and continuous and stable energy supply for the airborne system of the aircraft is realized.

Inventor(s)
 CHEN LIJUN
 ZHANG XIAO
 SONG LIXIN
 TAN JINGQI
 CHANG CHENG
 NI SHIYANG
 PAN JUN
 XU LIANG
 WANG XIAOPING

Applicant/Assignee
 AVIC JINCHENG NANJING ENGINEERING INSTITUTE OF AIRCRAFT SYSTEMS
 owned by AVIC JINCHENG NANJING ENGINEERING INSTITUTE OF AIRCRAFT SYS

IPC codes B64D-041/00

CPC codes B64D-041/00 B64D-041/00/7

Entry week in the collection 2023-43

2.

Optimizing airport security clearance with deep learning: an rcnn-based approach

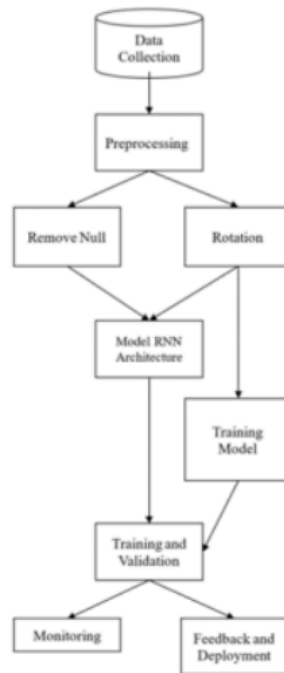





Figure 1 – Proposed Model

Protected countries

Pending:  IN

List of publications

Publication date

 Application number 2024IN-41044079 Date 2024-06-06  Register

[IN202441044079 A - Application laid open](#)

2024-06-21 

Priority Numbers & Dates 2024IN-41044079 2024-06-06

Abstract

Airport security clearance is a critical process that demands efficiency and accuracy to ensure passenger safety and convenience. This invention proposes an innovative method using Region-based Convolutional Neural Networks (RCNN) to enhance security checks by automating threat detection in X-ray imagery. The proposed deep learning model aims to improve detection accuracy, reduce processing times, and minimize human error, thereby streamlining airport security operations and enhancing overall passenger experience.

Inventor(s) Muruganandam V
Rajini G

Applicant/Assignee

IPC codes

CPC codes

Entry week in the collection 2024-27

Вывод

Тема, касающаяся авиационной безопасности и безопасности в аэропортах достаточно актуальна на международном уровне. Ученые и иные исследователи пытаются задействовать искусственный интеллект для выявления ошибок, программирования систем безопасности для выявления настроения людей для выявления опасностей и т. д. Среди патентов наиболее популярным направлением является развитие безопасности на территории аэропорта.