

Document details

< Back to results | 1 of 1

↗ Export

⬇ Download

🖨 Print

✉ E-mail

💾 Save to PDF

★ Add to List

More... >

Full Text

View at Publisher

IOP Conference Series: Materials Science and Engineering
Volume 260, Issue 1, 7 November 2017, Article number 012039
6th International Conference on Mechatronics 2017, ICOM 2017; International Islamic University Malaysia (IIUM)
Gombak CampusKuala Lumpur; Malaysia; 8 August 2017 through 9 August 2017; Code 131673

Applying Mechatronics to Improve the Safety of Children in Vehicles - What Can Be Done? (Conference Paper)

Zufar, K.H., Jazlan, A.
Department of Mechatronics Engineering Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Abstract

View references (14)

Nowadays, the media have reported an increasing number of cases where children are accidentally being trapped in vehicles while they parents and guardians are away attending to other matters. In this paper we discuss the feasibility of applying Mechatronics to improve the safety of children in vehicles with the ultimate goal of developing a means for parents,guardians and authorities to be informed if ever there is a child trapped in a vehicle and in need of urgent assistance. We have also presented some preliminary experiments we have carried out for a safety alert system which is currently being developed in our lab. © Published under licence by IOP Publishing Ltd.

Indexed keywords

Engineering controlled terms:	Vehicles
Compendex keywords	Safety alerts
Engineering main heading:	Accidents

ISSN: 17578981
Source Type: Conference Proceeding
Original language: English

DOI: 10.1088/1757-899X/260/1/012039
Document Type: Conference Paper
Volume Editors: Rashid M.M.,Hamid S.B.A.,Akmeliawati R.
Sponsors: Kulliyah of Engineering, International Islamic University Malaysia
Publisher: Institute of Physics Publishing

References (14)

View in search results format >

☐ All

Export

🖨 Print

✉ E-mail


💾 Save to PDF

Create bibliography

☐ 1 Bahaudin, N.
Saya Maafkan Dia
(2017) *HM Online*
Retrieved 1 May 2017
<http://www.hmetro.com.my/node/223840>

Metrics ⓘ

0	Citations in Scopus
0	Field-Weighted Citation Impact

 PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert >

Set citation feed >

Related documents

Find more related documents in Scopus based on:

Authors > Keywords >

-
- ☐ 2 Ishimine, P.
(2016) *Heat Stroke in Children*
Uptodate.com. Retrieved 2 May 2017
<https://www.uptodate.com/contents/heat-stroke-in-children#H26>
-
- ☐ 3 McLaren, C., Null, J., Quinn, J.
Heat stress from enclosed vehicles: Moderate ambient temperatures cause significant temperature rise in enclosed vehicles

(2005) *Pediatrics*, 116 (1), pp. e109-e112. Cited 70 times.
<http://pediatrics.aappublications.org/cgi/reprint/116/1/e109>
doi: 10.1542/peds.2004-2368

View at Publisher
-
- ☐ 4 Null, J.
(2016) *Fact Sheet - Heatstroke Deaths of Children in Vehicles*
Retrieved 7 May 2017
<http://www.noheatstroke.org/original/index.html>
-
- ☐ 5 Augenbraun, E.
(2014) *How Technology Could Help Prevent Kids' Deaths in Hot Cars*
KidsandCars.org. Kidsandcars.org. Retrieved 7 May 2017
<http://www.kidsandcars.org/2014/07/10/how-technology-could-help-prevent-kids-deaths-in-hot-cars/>
-
- ☐ 6 *Baby Alert International*
ChildMinderreg; Elite Pad Single System
<https://www.babyalert.info/childminder-elite-pad-single-system.html>
-
- ☐ 7 Balogna, C.
Dads Invent Simple Device to Prevent Hot Car Fatalities
(2016) *The Huffington Post*
Retrieved 30 April 2017
http://www.huffingtonpost.com/entry/dads-invent-simple-device-to-prevent-hot-car-fatalities_us_56f53ed7e4b0a3721819b041
-
- ☐ 8 (2014) *Member public profile Infant*
OEDK - Rice University SOS Oedk.rice.edu. Retrieved 30 April 2017
<http://oedk.rice.edu/Sys/PublicProfile/25607033>
-
- ☐ 9 (2002) *Hot Vehicle Safety System and Methods Preventing Passengers Entrapment and Heat Suffocation*
Robert Bosch Corporation U.S Patent, WO2002087910 A3, issued May 22, 2002
-
- ☐ 10 Sasidharan, S., Kanagarajan, V.
(2015) *Proc: 2015 International Conference on Computer Communication and Informatics (ICCCI 2015)*, pp. 8-11.
(Coimbatore) Vehicle cabin safety alert system
-