

IEEE.orgIEEE XploreIEEE-SAIEEE SpectrumMore SitesSUBSCRIBE

SUBSCRIBECartCreate AccountPersonal Sign In

BrowseMy SettingsHelp

Institutional Sign In

Institutional Sign In

All

Q

ADVANCED SEARCH

Conferences > 2008 IEEE International Confe...

CAPTCHA for children

Publisher: IEEE

Cite This

Cite This

PDF

Sajad Shirali-Shahreza ; Mohammad Shirali-Shahreza

All Authors

4 Paper Citations

216 Full Text Views

Abstract

Document Sections

1 Introduction

2 Related works

3 Our proposed method

4 Advantages

5 Conclusions

Authors

Figures

References

Citations

Keywords

Metrics

More Like This

Abstract:

In some websites it is necessary to distinguishing between human users and computer programs which is known as CAPTCHA (Completely Automated Public Turing test to tell Co... View more

Metadata

Abstract:

In some websites it is necessary to distinguishing between human users and computer programs which is known as CAPTCHA (Completely Automated Public Turing test to tell Computers and Human Apart). CAPTCHA methods are mainly based on the weak points of OCR systems and using them are undesirable to human users. In this paper a method has been presented for distinguishing between human users and computer programs on the basis of choice of an object shown on the screen. In this method some objects are chosen randomly and the pictures of these topics are downloaded from the Internet. Then after applying some effects such as rotation, all of the pictures are shown on the screen. Then we ask the user to choose a specific object. Instead of writing the question, it is said using a TTS (Text-To-Speech) system. Therefore children who maybe illiterate and cannot read, can easily pass the test. If the user chooses the right object, we can guess that the user is a human being and not a computer program. This method is specially developed for children websites. The main advantage of this method is its simplicity because the user does not have to read or type anything.

Published in:

2008 IEEE International Conference on System of Systems Engineering

Date of Conference:

2-4 June 2008

INSPEC Accession Number:

10425652

Date Added to IEEE Xplore:

22 December 2008

DOI:

10.1109/SYSOSE.2008.4724188

Publisher:

IEEE

ISBN Information:

Conference Location:

Monterey, CA, USA, USA

Top Organizations with Patents on Technologies Mentioned in This Article

ORGANIZATION 4

ORGANIZATION 3

ORGANIZATION 2

ORGANIZATION 1

Contents

1 Introduction

Sign in to Continue Reading

Many aspects of human life have been affected by the expansion of the World-Wide Web (WWW), so that, in industrial countries, many daily affairs, from daily shopping to education and commerce, are done on the Internet.

Authors	▼
Figures	▼
References	▼
Citations	▼
Keywords	▼
Metrics	▼

- CHANGE USERNAME/PASSWORD
- PAYMENT OPTIONS
- COMMUNICATIONS PREFERENCES
- US & CANADA: +1 800 678 4333
- VIEW PURCHASED DOCUMENTS
- PROFESSION AND EDUCATION
- WORLDWIDE: +1 732 981 0060
- TECHNICAL INTERESTS
- CONTACT & SUPPORT
- f in t

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

- IEEE Account
- Purchase Details
- Profile Information
- Need Help?
- » Change Username/Password
- » Payment Options
- » Communications Preferences
- » US & Canada: +1 800 678 4333
- » Update Address
- » Order History
- » Profession and Education
- » Worldwide: +1 732 981 0060
- » View Purchased Documents
- » Technical Interests
- » 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 2020 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.