



HINTON
INFORMATION SERVICES

IEEE *XPLORE*® 全文電子資料庫

教育講座

學術講師: 鄭琳祺 Sylvia

課程目標
1

- 認識IEEE

課程目標
2

- IEEE Xplore[®] 提供了哪些資源?

課程目標
3

- IEEE Xplore[®] 如何協助我作研究?

課程目標
4

- 提高文獻檢索、閱讀和使用效率的小工具

課程目標1：認識IEEE



關於IEEE (THE INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS)

- 美國電子電機工程師學會，全球最大的技術學會
- 提供全球超過三分之一的電機工程與資訊工程相關領域研究文獻



IEEE帶動全球技術發展...

Our Global Reach

431,000+
Members 會員



45
Technical Societies and Councils
技術協會和委員會



160+
Countries 國家



Our Technical Breadth

1,400+
Annual Conferences 年會



3,700,000+
Technical Documents 技術文獻



170
Top-cited Periodicals
被引用最多的期刊



專利文獻大量引用了IEEE期刊

Thomson Reuters Journal Citation Reports® by Impact Factor

IEEE publishes:

18 of the top 20 journals in Electrical and Electronic Engineering 電子電機

18 of the top 20 journals in Telecommunications 通訊科技

8 of the top 10 journals in Computer Science, Hardware & Architecture 計算機科學、硬體與架構

7 of the top 10 journals in Cybernetics (電腦)控制學

3 of the top 5 journals in Automation & Control Systems 自動化與控制系統

3 of the top 5 journals in Artificial Intelligence in 人工智慧

2 of the top 5 journals in Robotics 機器人學

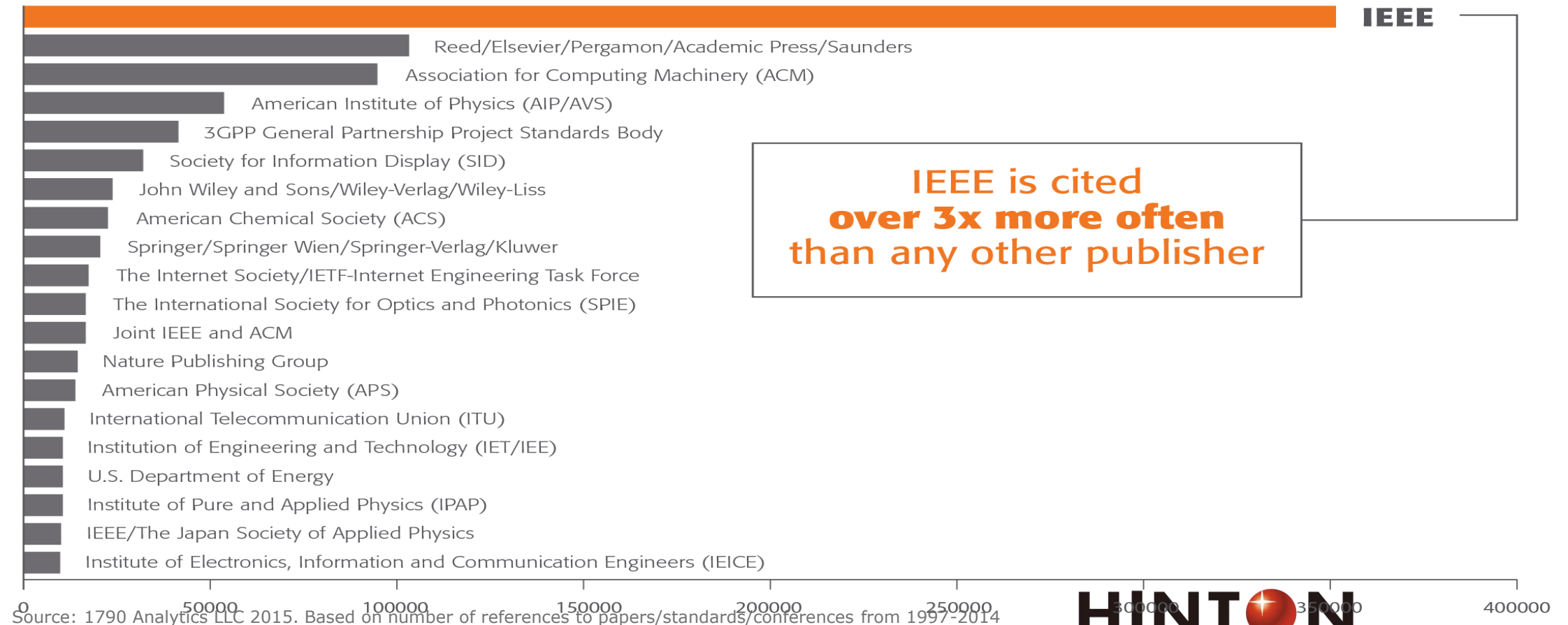
The Thomson Reuters Journal Citation Reports presents quantifiable statistical data that provides a systematic, objective way to evaluate the world's leading journals.

Based on the 2014 study released June 2015

More info: www.ieee.org/citations

IEEE 引領著專利發展

Top 20 Publishers Referenced Most Frequently by Top 40 Patenting Organizations



IEEE is cited
over 3x more often
than any other publisher

課程目標 2：IEEE XPLORE® 提供了哪些資源？

[http:// ieeexplore.ieee.org](http://ieeexplore.ieee.org)

HINTON
INFORMATION SERVICES

IEL (IEEE/IET ELECTRICAL LIBRARY)

收錄量最多

IEEE Xplore平台 <http://ieeexplore.ieee.org>

- 完整收錄兩個學會的出版文獻

- 美國電子電機工程師學會(IEEE)

- 英國電機工程師學會(IET)

- 涵蓋領域最廣

(通訊, 生醫工程, 航太, 奈米, 光電, 電腦運算, 機器人……)

文獻品質高水準

- 每篇文獻經過嚴謹的同儕評核

- 文獻被引用次數最高，即時掌握最新技術發展



IEEE XPLORE[®] 平台收錄內容

- IEEE journals & magazines
- IEEE conference proceedings
- IEEE standards (except Draft Standards)
- IET journals & magazines
- IET conference proceedings
- IBM Journals
- MIT Journals
- VDE conferences
- Bell Labs Technical Journal
- Wiley-IEEE ebooks (2012-2015)
- MIT ebooks(2013)
- Morgan & Claypool ebooks

VDE



IEEE XPLORE[®] 持續帶動台灣研發能量

#1 China



#2 USA



#3 India



#4 Taiwan



#5 Korea



全球下載量:台灣排名第四名

Data year end 2015

IEEE Xplore® 2015年新增內容

- ◆ 8本IEEE期刊，4,000 多篇IEEE/IET期刊文獻
- ◆ 15,000 多篇會議論文
(包含4,600 多篇VDE會議論文)
- ◆ 40多篇技術標準新增或修改
- ◆ 貝爾實驗室(Bell Lab)期刊

物聯網・雲端運算
網路系統控制

每個月新增 20,000⁺ 篇文獻



HINTON
INFORMATION SERVICES

New in 2015

貝爾實驗室期刊正式加入 IEEE Xplore®

Bell Labs Technical Journals: 貝爾實驗室技術期刊

- ◆阿爾卡特朗訊(Alcatel-Lucent ; ALU)旗下研創機構
- ◆以發明電晶體、雷射、數位用戶迴路 (DSL) 及多重輸入與多重輸出技術 (MIMO) 聞名
- ◆IEL用戶享有全文下載權限
- ◆收錄1992年迄今的研究文獻



課程目標3.1 IEEE XPLORE® 如何協助我 全面了解某項技術研究概況

- ✓ 快速定位該領域的專家及研究機構
- ✓ 尋找權威綜述文章
- ✓ 定位核心期刊和會議
- ✓ 了解學術界或業界研發情況
 - 作者/專利發明人檢索;
 - 所屬機構/專利發明機構檢索



個人化功能

顯示學校英文名稱

個人化功能登入

瀏覽功能:

- 依文獻類型
- 依主題

檢索工具列:

- Basic Search 基本檢索
- Author Search 作者檢索
- Publication Search 出版品檢索
- Advanced Search 進階檢索
- Other Search Options 其他檢
索

最新消息

The screenshot shows the IEEE Xplore Digital Library homepage. At the top, there is a navigation bar with links to IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More Sites. On the right, there are links for Cart (0), Create Account, and Personal Sign In. Below the navigation bar, the IEEE Xplore Digital Library logo is displayed. A search bar is prominently featured with the text "Search 3,618,778 items". Below the search bar, there are buttons for Basic Search, Author Search, and Publication Search, along with links to Advanced Search and Other Search Options. A sidebar on the left contains a "BROWSE" button and a "MY SETTINGS" button. A "GET HELP" button is also present. A "WHAT CAN I ACCESS?" button is located on the right. A "Sign Out" button is visible in the top right corner. A "Personal Sign In" button is also present. A "Create Account" button is located on the right. A "Cart (0)" link is also present. A "IEEE Access Wins 2015 PROSE Award" banner is displayed on the right side of the page. The banner includes the IEEE Access logo and text about the award. At the bottom of the page, there is a navigation bar with links to Journals & Magazines, Conference Publications, Standards, Books & eBooks, and Education & Learning.

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

Cart (0) | Create Account | Personal Sign In

IEEE Xplore®
Digital Library

Access provided by:
IEEE Sales
» Sign Out

BROWSE ▼ MY SETTINGS ▼ GET HELP ▼ WHAT CAN I ACCESS?

Search 3,618,778 items

Enter Search Term

Basic Search Author Search Publication Search Advanced Search Other Search Options ▼

IEEE Access®
The Journal for rapid open access publishing

IEEE Access Wins 2015 PROSE Award

IEEE Access wins "Journal/Best New STM (Scientific, Technical, and Medical)" in the PROSE Awards, which annually recognize the very best in publishing by bringing attention to distinguished books, journals, and electronic content.

» Browse the IEEE Access articles in IEEE Xplore
» Submit your paper to IEEE Access

Journals & Magazines Conference Publications Standards Books & eBooks Education & Learning




<http://ieeexplore.ieee.org>

HINTON
INFORMATION SERVICES

不同文獻類型的最新訊息:

欄位依序為：

- 期刊雜誌
(Journals & Magazines)
- 會議論文
(Conference Publications)
- 標準規範
(Standards)
- 電子書籍
(Books & eBooks)
- 線上課程
(Education & Learning)

Journals & Magazines	Conference Publications	Standards	Books & eBooks	Education & Learning
 Just Published Emerging and Selected Topics in Circuits and Systems, IEEE Journal on Volume: 5 Issue: 1 March 2015 Software, IEEE Volume: 32 Issue: 2 Mar.-Apr. 2015 Dependable and Secure Computing, IEEE Transactions on Volume: 12 Issue: 2 March-April 1 2015 Annals of the History of Computing, IEEE Volume: 37 Issue: 1 Jan.-Mar. 2015	 Most Popular Data mining with big data Xindong Wu; Xingquan Zhu; Gong-Qing Wu; Wei Ding 26 六月 2013 What Will 5G Be? Andrews, J.G.; Buzzi, S.; Wan Choi; Hanly, S.V. ... 03 六月 2014 Cellular architecture and key technologies for 5G wireless communication networks Cheng-Xiang Wang; Haider, F.; Xiqi Gao; Xiao-Hu You ... February 2014 Software-Defined Networking: A Comprehensive Survey Kreutz, D.; Ramos, F.M.V.; Esteves Verissimo, P.; Esteve Rothenberg, C. ... Jan. 2015	 Popular Search Terms <ul style="list-style-type: none">networkwirelessantennasensorLTEcommunicationsecuritycloudrobot View More >		

全面了解某項技術研究概況

The screenshot displays the IEEE Xplore search interface. At the top, the 'RF' search term is entered in the search bar. Below the search bar, the 'Basic Search' tab is selected. The search results show 'Displaying results 1-25 of 323 for RF x SPICE Model x', with a red arrow pointing to the 'SPICE Model' filter. The results are sorted by 'Relevance' and show 25 items per page. A sidebar on the left allows refining results by 'Content Type', with options for 'Conference Publications (248)', 'Journals & Magazines (73)', and 'Books & eBooks (2)'. A red arrow points to the 'SPICE Model' filter in the sidebar. The main search results list includes a paper titled 'A phenomenologically based transient SPICE model for digitally modulated RF performance characteristics of GaAs MESFETs' by Leoni, R.E., III; Shirokov, M.S.; Bao, J.; Hwang, J. The paper is from 'Microwave Theory and Techniques, IEEE Transactions on', published in 2001, Volume 49, Issue 6, pages 1180-1186, with DOI 10.1109/22.925517. It is cited by 3 papers. The paper is available as an abstract, HTML, and PDF (148 Kb). The IEEE logo is visible in the bottom right corner.

IEEE Xplore

BROWSE ▾

RF

Basic Search

Displaying results 1-25 of 323 for RF x SPICE Model x

Show All Results ▾ Per Page 25 ▾ Sort By Relevance ▾

☐ Select All on Page Download Citations ▾ Export to IEEE Collabratec ▾ Set Search

Refine results by ?

SPICE Model x

Content Type

☐ Conference Publications (248)

☐ Journals & Magazines (73)

☐ Books & eBooks (2)

☐ A phenomenologically based transient SPICE model for digitally modulated RF performance characteristics of GaAs MESFETs

Leoni, R.E., III; Shirokov, M.S.; Bao, J.; Hwang, J.

Microwave Theory and Techniques, IEEE Transactions on

Year: 2001, Volume: 49, Issue: 6

Pages: 1180 - 1186, DOI: 10.1109/22.925517

Cited by: Papers (3)

IEEE Journals & Magazines

► Abstract ((html)) PDF (148 Kb) ©

Cited by: Papers (1)

IEEE Conference Publications

快速定位該領域的專家及研究機構

Author

Enter Author Name

- ☐ Caverly, Robert H. (6)
- ☐ Roychowdhury, Jaijeet S. (6)
- ☐ Hwang, James C M (5)
- ☐ Lee, Seonghearn Y. (5)
- ☐ Cheol Cheol (5)
- ☐ (5)
- ☐ eth S. (4)
- ☐ ihzya (4)
- ☐ Jacquemod, Gilles (4)
- ☐ Yu, Hyun-Kyu Kyu (4)

Affiliation

Enter Affiliation

- ☐ Dept. of Electr. & Comput. Eng., Oregon State Univ., Corvallis, OR, USA (5)
- ☐ Cadence Design Syst. Inc., San Jose, CA, USA (5)
- ☐ Dept. of Electr. Eng. & Comput. Sci., Berkeley, CA, (5)
- ☐ Dept. of Electr. Univ., AL, US (5)
- ☐ Dept. of Electr. Univ., Los Ang (3)
- ☐ IMEC, Leuven, Belgium (3)

- 顯示發表文章數量最高的前25位作者
- 優先使用Last Name 查詢特定作者

- 快速定位該領域的領先研究機構，深度了解該研究機構，為申請學校和進入公司做準備

定位核心期刊和會議

了解哪些期刊、會議可能是投稿對象

Publication Title ^

Enter Title

- ☐ Microwave Theory and Techniques, IEEE Transactions on (17)
- ☐ Electron Devices, IEEE Transactions on (13)
- ☐ Electromagnetic Compatibility, IEEE Transactions on (6)
- ☐ Solid-State Circuits, IEEE Journal of (5)
- ☐ Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on (5)
- ☐ Microwave Symposium Digest, 2001 IEEE MTT-S International (4)
- ☐ Microwave Symposium Digest (MTT), 2010 IEEE MTT-S International (4)
- ☐ RFIC Virtual Journal, IEEE (4)
- ☐ RFID Virtual Journal, IEEE (4)
- ☐ Electron Device Letters, IEEE (3)

查詢權威文獻

Displaying results 1-25 of 323 for **RF** x **SPICE Model** x

Show **All Results** | v Per Page **25** | v Sort By

- Relevance
- Newest First
- Oldest First
- Most Cited [By Papers]**
- Most Cited [By Patents]
- Publication Title A-Z
- Publication Title Z-A

☐ Select All on Page Download Citations v | Exp

Refine results by ?

Search within results 🔍

Content Type ^

- ☐ Conference Publications (248)
- ☐ Journals & Magazines (73)
- ☐ Books & eBooks (2)

Year ^

Single Year

Range



- ☐ **The modeling, characterization, and design of monolithic inductors for silicon RF IC's** 🔒
Long, J.R.; Copeland, M.A.
Solid-State Circuits, IEEE Journal of
Year: 1997, Volume: 32, Issue: 3
Pages: 357 - 369, DOI: 10.1109/4.557634
Referenced in: RFIC Virtual Journal, IEEE RFID Virtual Journal, IEEE
Cited by: Papers (304) | Patents (64)
IEEE Journals & Magazines
▶ Abstract PDF (324 Kb) ©
- ☐ **MOS transistor modeling for RF IC design** 🔒
Enz, C.C.; Yuhua Cheng
Solid-State Circuits, IEEE Journal of
Year: 2000, Volume: 35, Issue: 2
Pages: 186 - 201, DOI: 10.1109/4.823444
Cited by: Papers (134) | Patents (4)

查找綜述文獻/專家推薦

Browse Journals & Magazines



By Title

By Topic

Virtual Journals

IEEE Virtual Journals

IEEE Virtual Journals are a new addition to the IEEE *Xplore*® digital library. Each Virtual Journal contains a collection of previously published IEEE papers in specific scientific and technical disciplines, paired with value-added commentary from technology experts. These papers are selected based on their relevance to the topic by an editorial team with strong knowledge in their particular fields. IEEE Virtual Journal subscribers can seamlessly access full-text PDF articles from the source journals without having to subscribe to each individual journal.

IEEE Virtual Journals provide:

- Quick and affordable access to scientific and technical papers on cutting-edge topics
- Valuable commentary provided by IEEE experts
- Links to source journal abstracts and full-text articles
- Topical browse and links to previous issues

Over time, IEEE plans to launch additional IEEE Virtual Journals that focus on new and emerging fields that cover a range of traditional publications.

Currently available IEEE Virtual Journals are listed below.

► IEEE Biometrics Compendium

The IEEE Biometrics Compendium is a quarterly published IEEE virtual journal created by IEEE's Biometrics Council. Each issue focuses on research areas in biometrics and contains commentary from experts in the IEEE Biometrics Council. Subscribers receive full text PDF access to all articles referenced within the Biometrics Compendium.

[Learn more about subscribing to the Biometrics Compendium](#)

► IEEE RFIC Virtual Journal

虛擬期刊為IEEE在特定領域的出版前文獻和技術學科，內文裡科技專家的評述值得一看！

了解學術界或業界的研發情況

IEEE.c Displaying Results 1-25 of 58 for "First Name": David x "Last Name": Root x

Show All Results | Per Page 25 | Sort By Relevance

☐ Select All on Page Download Citations | Set Search Alerts | Search History | Export to CSV

Refine results by

Search within results

Content Type

Year

Author

Enter Author Name

- ☐ Root, David E. (53)
- ☐ Wood, John (13)
- ☐ Horn, Jason M. (13)
- ☐ Verspecht, Jan (11)
- ☐ Cognata, Alex (8)

View more...

☐ **A symmetric and thermally de-embedded nonlinear FET model for wireless and microwave applications**

Wood, J.; Root, D.E.
Microwave Symposium Digest, 2004 IEEE MTT-S International
Year: 2004, Volume: 1
Pages: 35 - 38 Vol.1, DOI: 10.1109/MWSYM.2004.1335791
Cited by: Papers (2)

IEEE Conference Publications

► Abstract ((html)) PDF (389 Kb) ©

☐ **Broad-band poly-harmonic distortion (PHD) behavioral models from fast automated simulations and large-signal vectorial network measurements**

Root, D.E.; Verspecht, J.; Sharrit, D.; Wood, J.; Cognata, Alex
Microwave Theory and Techniques, IEEE Transactions on
Year: 2005, Volume: 53, Issue: 11
Pages: 3656 - 3664, DOI: 10.1109/TMTT.2005.855728
Cited by: Papers (73) | Patents (2)

IEEE Journals & Magazines

► Abstract ((html)) PDF (864 Kb) ©

Standards Dictionary Terms Browse »

作者/專利發明人檢索

研究所屬機構/專利發明機構檢索

Advanced Search Results

Displaying Results 1-25 of 5,520 for ("**Author Affiliations**":samsung) x

Show All Results | Per Page 25 | Sort By Relevance

ENTREPRENEURSHIP & REGIONAL DEVELOPMENT | Select All on Page | Download Citations | Set Search Alerts | Search History | Export to CSV

Notes: #

Search **Refine results by** ?

Search within results


Content Type

- ☐ Conference Publications (4,099)
- ☐ Journals & Magazines (1,402)
- ☐ Early Access Articles (19)




Year


Single Year | Range

1986 | 2015



Quantitative comparison of the power reduction techniques for samsung reconfigurable processor 


Hoyoung Kim; Soojung Ryu; Sinkar, A.; Nam Sung Kim
Circuits and Systems (ISCAS), 2014 IEEE International Symposium on
Year: 2014
Pages: 1736 - 1739, DOI: 10.1109/ISCAS.2014.6865490
IEEE Conference Publications

► Abstract | [\(\(html\)\)](#) |  (645 Kb) |  | 

MOT by using scientific methodology in Samsung R&D 

Se Ho Cheong
Technology Management for the Global Future, 2006. PICMET 2006
Year: 2006, Volume: 1
Pages: xlv - lxxxi, DOI: 10.1109/PICMET.2006.296545
IEEE Conference Publications

► Abstract |  (19227 Kb) | 

Standards Dictionary Terms  [Browse »](#)

3.2 IEEE XPLORE® 如何協助我 尋找技術難點解決方案，掌握相關專利概況

- ✓ 瀏覽期刊來追蹤核心文獻
- ✓ 利用引文搜尋同類技術最新進展



瀏覽期刊來追蹤核心文獻(1/2)

The modeling, characterization, and design of monolithic inductors for silicon RF IC's



Full Text

Sign-In or Purchase

2
Author(s)

Long, J.R. ; Dept. of Electr. & Comput. Eng., Toronto Univ., Ont., Canada ; Copeland, M.A.

Abstract

Authors

References

Cited By

Keywords

Me

Download
Citations

Email

Print

Request
Permissions

368 Citations

IEEE Publications (247) | Other Publications (57) | Patents (64)

Cited by IEEE Publications (247)

1. Asgaran, S. "New accurate physics-based closed-form expressions for compact modeling and design of on-chip spiral inductors" *Microelectronics The 14th International Conference on 2002*



Citation Map

瀏覽期刊來追蹤核心文獻(2/2)

This view provides a high-level visual representation of references and citing documents for this article. To view the full listing, select "View All Citing Documents" or "View All References".

Citation Map

[View All References](#)
Viewing: Robotic gras

REFERENCES

- 1- Studies on robot hands w
- 2- On the prot and manipul wholeâlimb m
- 3- On the clos grasping
- 4- Experiment
- 5- Generalized Grasp
- 6- Dextrous hand grasping force optimization

Abstract

Authors

References

Cited By

Keywords

Metrics

Similar

Download Citations

Email

Print

Request Permissions

Save to Project



Usage*

2015 20

Jan

29

Jul

-

Best Month

* Data is u

Citations



Download Citations

Email

Print

Request Permissions

Save to Project



Abstract

Authors

References

Cited By

Keywords

Metrics

Similar

On the Use of Mutation Faults in Empirical Assessments of Test Case Prioritization Techniques

Hyunsook Do; Rothermel, G.

IEEE JOURNALS & MAGAZINES

Empirical study of the effects of different profiles on regression test case reduction

Rongcun Wang; Binbin Qu; Yansheng Lu

IET JOURNALS & MAGAZINES

A Systematic Review of the Application and Empirical Investigation of Search-Based Test Case Generation

Ali, S.; Briand, L.C.; Hemmati, H.; Panesar-Walawege, R.K.

IEEE JOURNALS & MAGAZINES

其參考文獻和引文可成為進一步追溯的種子

Baudry, B.; Fleurey, F.; Jezequel, J.; Le Traon, Y.

IEEE JOURNALS & MAGAZINES

6- A strategy and a fast testing algorithm for object caging by multiple cooperative robots

課程目標3.3 IEEE XPLORE® 如何協助我 追蹤及掌握最新技術動態

- ✓ IEEE Xplore個人帳號設定
- ✓ Collaboratec- 全球頂尖工程師社交網絡



IEEE Xplore®

Access provided by:
IEL Demo User

[Create Account](#)



Create an IEEE Account

Don't have an IEEE Account yet?

Create a free account in order to:

- Sign in to various IEEE sites with a single account
- Manage your membership
- Get member discounts
- Personalize your experience
- Manage your profile and order history

If your institution is not already registered and you would like to create an account for your institution, please contact onlinesupport@ieee.org.

[CREATE ACCOUNT](#)

[Cancel](#)

Create an IEEE account

SIGN IN

Username:

Password:

[Forgot username or password](#)

[Other Authentication Options](#)

[Institutional Sign In](#)

[SIGN IN](#)

註冊IEEE Xplore個人帳號

Create an IEEE Account

*Required fields

Provide your personal information

*Given/First name:

*Last/Family/Surname:

Enter e-mail address & password

The e-mail address provided here will be the username of your account

*E-mail address:

*Re-enter e-mail address:

*Password:

*Confirm Password:

What is a valid password?

Password Strength

Set security questions

For your security, IEEE Accounts are required to have two security questions and answers.

*Security question 1:

*Type Your Answer:

*Security question 2:

*Type Your Answer:

[» Privacy & Opting Out of Cookies](#)

CREATE ACCOUNT

[» Cancel](#)



Create Account ILKER

只需要輸入姓名, email,
密碼設定及二個安全問題

BROWSE ▾

MY SETTINGS ▾

GET HELP ▾

WHAT CAN I ACCESS?

Content Alerts

My Projects

Search Alerts

Preferences

Purchase History

Search History

What can I access?

Enter Search Term

Basic Search

Author Search

Search 3,670,279 items

 Search

Advanced Search

Other Search Options ▾

Tips and Tricks for Using IEEE Xplore

IEEE Client Services provides training to IEEE Xplore users. Search faster with better results by learning more about the powerful features of IEEE Xplore.

» [Learn more about training and tutorials](#)



CONTENT ALERT: 設定最新出版消息推送通知(1/2)

Content Alerts

Select journals and magazines below to receive email alerts. Some alerts can be set up to send a notification when articles are first published in an issue, when an issue is complete, or both.

Alerts will be sent to "jalyn.kelley@ieee.org" in "Html" format. You can change your alert email address and preferred email format in Preferences under My Settings.

Journals & Magazines

Conferences

Standards By Version

eBooks

Content Alerts Set: 0

☐ Select/Deselect All

Reset

Update

☐ IEEE Access 

☐ Aerospace and Electronic Systems Magazine, IEEE 

☐ Aerospace and Electronic Systems, IEEE Transactions on 

☒ Affective Computing, IEEE Transactions on 

Latest Issue | Issues Per Year: 4 Notify me when: ☒ an issue is first published ☒ an issue is complete

☐ Annals of the History of Computing, IEEE 

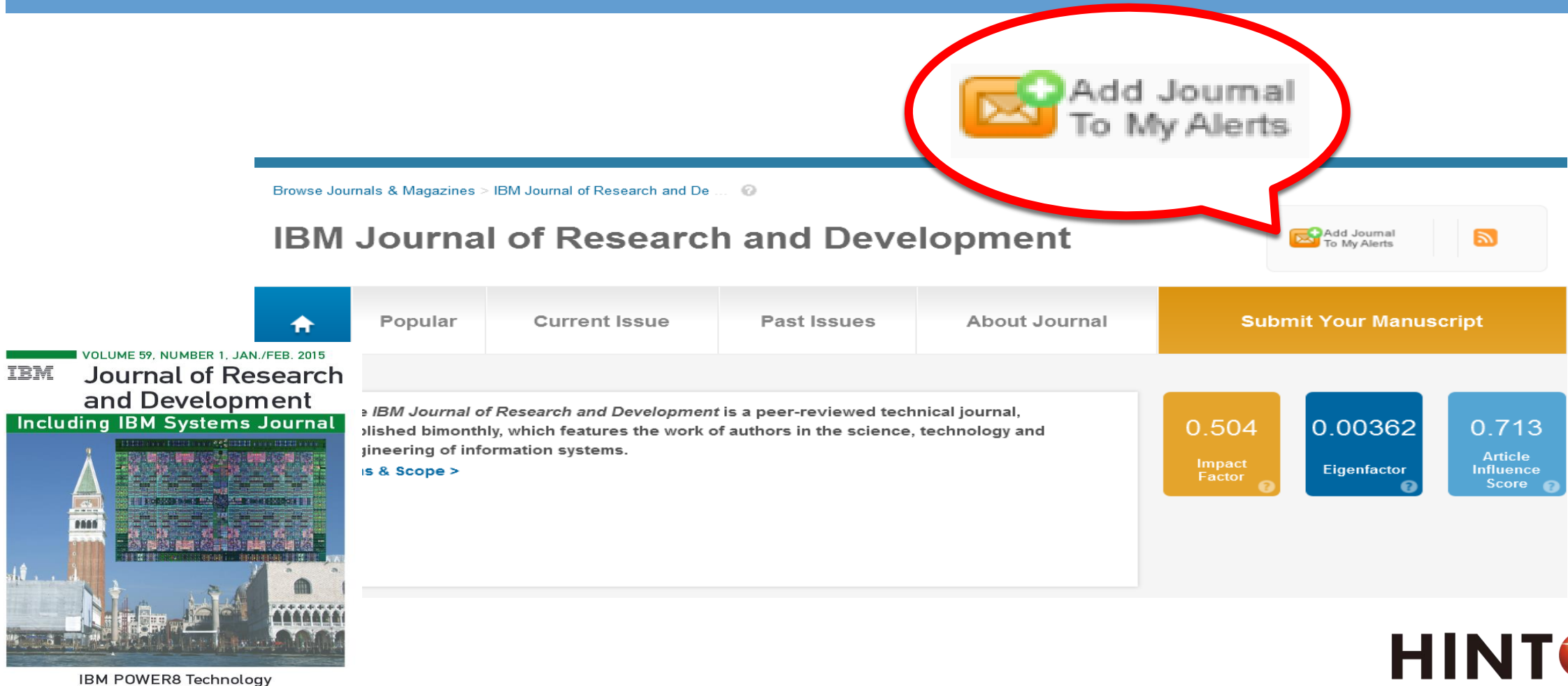
☐ Antennas and Propagation Magazine, IEEE 

Latest Issue | Issues Per Year: 6 Notify me when: ☐ an issue is first published ☐ an issue is complete

☐ Antennas and Propagation, IEEE Transactions on 

Latest Issue | Issues Per Year: 12 Notify me when: ☐ an issue is first published ☐ an issue is complete

CONTENT ALERT: 設定最新出版消息推送通知(2/2)



The screenshot shows the IBM Journal of Research and Development website. A red circle highlights the 'Add Journal To My Alerts' button, which is located in the top right corner of the page. The button features an orange envelope icon with a green plus sign and the text 'Add Journal To My Alerts'.

Browse Journals & Magazines > IBM Journal of Research and Development

IBM Journal of Research and Development

Popular Current Issue Past Issues About Journal Submit Your Manuscript

IBM VOLUME 59, NUMBER 1, JAN./FEB. 2015
Journal of Research and Development
Including IBM Systems Journal

The IBM Journal of Research and Development is a peer-reviewed technical journal, published bimonthly, which features the work of authors in the science, technology and engineering of information systems.
[View Full Journal](#) & [Scope](#) >

0.504 Impact Factor
0.00362 Eigenfactor
0.713 Article Influence Score

IBM POWER8 Technology

MY PROJECTS: 個人專屬資料夾(1/2)

MY SETTINGS ▾ **GET HELP** ▾ **WHAT CAN I ACCESS?**

Search **3,621,353 items**

My Projects (1 Project)

Technology of cell phone
4 Documents - Created 三月. 12, 2015 5:53 上午 EDT - Updated 三月. 16, 2015 9:53 -
Description: past, present, and feature trending

Create New Project ✕

Project Title*
輸入資料夾標題 93 left

Description
輸入說明

Save **Cancel**

Welcome Zanna Hsu | [My Account](#) | [Sign Out](#)

HINTON
INFORMATION SERVICES

MY PROJECTS: 個人專屬資料夾(2/2)

SEARCH RESULTS

You searched for: **smart phone** , taiwan

Results per page 25

Select All on Page | Deselect All

Save to Project

勾選指定文獻，並點選「**Save To Project**」即可把文獻儲存至您的資料夾中。

Set Search Alert | Download Citations | Save to Project | Email Selected Results | Print | Export Results

- ☒ **Investigating the innovation resistance of smart phone in Taiwan**
Tsai, M.
Management of Engineering & Technology (PICMET)
International Conference on
Publication Year: 2014 , Page(s): 3155 - 3162
IEEE CONFERENCE PUBLICATIONS

Quick Abstract | PDF (278 KB)

- ☒ **An innovative interface design with smart phone for interactive computer game applications**

Save to Project +Add New Project

You can add notes/tags to articles by editing in the project listing page...

Project*

-- Select Project --
-- Select Project --
Technology of cell phone

Save Cancel



SEARCH ALERTS: 熱門技術資訊即時通知

((Robot manipulator OR Industrial manipulator OR Robotic arm OR industrial robot) AND (Force control OR Force sensor OR Impedance control))

Basic Search Author Search Publication Search Advanced Search Other Search Options

Displaying Results 1-10 of 7,585 for

Search Alert Name * Robot Manipulator

Email Address qing-li@ieee.org

Cancel Save

Select All on Page Download Citations Set Search Alerts Search History Export to CSV

Refine results by

Search within results

Content Type

Conference Publications

- ☐ **Robotic arm force sensing interaction control**
Xinyu Han; Liandong Zhang; Changjiu Zhou
Industrial Electronics and Applications (ICIEA), 2012 7th IEEE Conference on
Year: 2012
Pages: 481 - 485, DOI: 10.1109/ICIEA.2012.6360776
IEEE Conference Publications

Abstract

((html))

PDF (639 Kb)



PREFERENCE (檢索結果通知) 偏好設定

Preferences

Search Options

Search History Recording:

☐ On

☐ Off

Publisher:

☐ All Content

☐ IEEE Content

☐ IET Content

☐ IBM Content

☐ VDE Content

☐ TUP Content

☐ BIAI Content

☐ MITP Content

☐ Alcatel-Lucent Content

☐ Morgan & Claypool

Search:

☐ Metadata Only

☐ Full Text & Metadata

Display Options for Search Results

Results Layout:

☐ Title Only

☐ Title & Citation (Default)

☐ Title, Citation & Abstract

Results per Page:

10

Sort By:

Relevance

Download Options

Bibliographic Citation Form

☐ Citation Only

☐ Citation & Abstract

Format:

☐ Plain Text

☐ BibTeX

☐ RefWorks

☐ EndNote, ProCite, RefMan

MY SETTINGS ▼

GET HELP ▼

WHAT CAN I ACCESS?

Content Alerts

My Projects

Search Alerts

Preferences

Purchase History

Search History

What can I access?

Search 3,621,353 items

Advanced Search

Update

Cancel

Collaboratec- 全球頂尖工程師交流網絡(1/3)

Displaying results 1-25 of 229 for ((IGBT OR gallium nitride OR insulated gate bipolar) AND (hybrid elect

Show All Results | Per Page 25 | Sort By Newest First

☒ Select All on Page | Download Citations | **Export to IEEE Collabratec** | Set Search Alerts | Search History

Refine results by ?

Search within results

Content Type ^

☐ Conference Publications (200)

☒ **A novel rotor-permanent magnet flux-s**
Wei Hua; Peng Su; Gan Zhang; Ming Chen
Ecological Vehicles and Renewable Energy
Conference on
Year: 2015
Pages: 1 - 10, DOI: 10.1109/EVER.2015.7112960
IEEE Conference Publications

► Abstract | ((html)) | PDF (3407 Kb) | ©

You have selected 25 citation(s) for export to IEEE Collabratec™

Cancel Export

Standards Dictionary Terms ?

Browse

25 records successfully exported. View in IEEE Collabratec™

IEEE Customer
» Sign Out

MY SETTINGS ▼ GET HELP ▼ WHAT CAN I ACCESS?

Collaboratec- 全球頂尖工程師交流網絡(2/3)

The screenshot shows the 'Communities' section of the Collaboratec platform, specifically the 'CyberEthics and CyberPeace' community. The page header includes the IEEE logo and the community name. Below the header, there are tabs for 'Activities', 'Files', 'Q & A', 'Events', and 'Participants'. The 'Activities' tab is selected, showing a list of posts. The first post is titled 'Cyber-Ethics Initiative v4.pdf' by James Isaak, uploaded 4 days ago. It includes a PDF icon and a 'Cybernetics' tag. Below the post, there are three comments from Dena Hoffman, Frank Fahrendorf, and Carlos E. Jimenez Gomez. On the left side, there is a sidebar with 'Community provided by' (IEEE Computer Society e-Government Special Technical Community and IEEE Society on Social Implications of Technology), 'Participants' (38), and a calendar for June 2015.

Communities

CyberEthics and CyberPeace

Community provided by :
IEEE Computer Society e-Government Special Technical Community
IEEE Society on Social Implications of Technology

Participants 38

June 2015

Su Mo Tu We Th Fr Sa
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30

Activities Files Q & A Events Participants

7 Post(s) in Community

James Isaak has uploaded a file
4 days ago

Cyber-Ethics Initiative v4.pdf
Cybernetics

Slightly updated version with a version/date on 1st page, and minor formatting changes.

Report it

3 comment(s)

Dena Hoffman
3 days ago

This is a great overview on a topic that affects academics, researchers, industry and individuals personally!

Frank Fahrendorf
2 days ago

Nice overview indeed, but isn't the short term / immediate goal to formulate a cyber ethics statement and code of conduct?

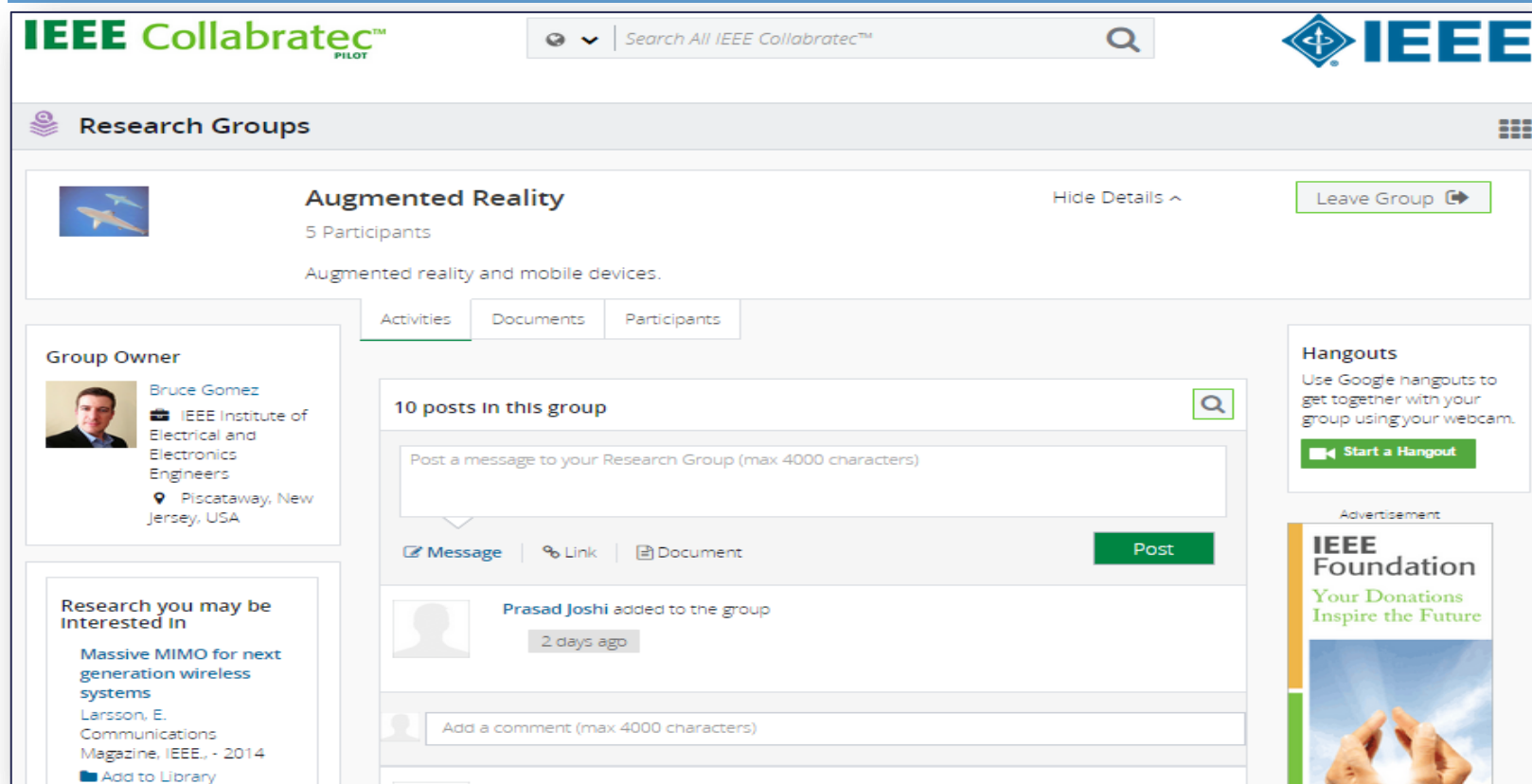
Carlos E. Jimenez Gomez
7 hours ago

Hello Frank, the overview is the basis. Now, we are analyzing an working in definitions as well as literature and knowledge of people. This community will let us to include it fom people that would like participate. This is the reason that I encourage you in a post to sharing refetences here, in order to integrate it in a body of knowledge for the next steps.

➤ 透過線上問&答作專業知識交流

➤ 可下載檔案來收集大家對最新科技/研究的意見

Collaboratec- 全球頂尖工程師交流網絡(3/3)



- 提供個人群組的功能，不是群組裡的人無法搜尋到
- 可促進協同合作

課程目標4: 提高文獻檢索、閱讀和使用效率的小工具 -互動式HTML-

HINTON
INFORMATION SERVICES



Software-Defined Networking: A Comprehensive Survey



Kreutz, D. ; Ramos, F.M.V. ; Esteves Verissimo, P. ; Esteve
Rothenberg, C. ; Azodolmolky, S. ; Uhlig, S.

Publication Year: 2015 , Page(s): 14 - 76



Quick Abstract |



PDF (14200 KB) |



HTML



HTML

全新互動式閱讀，提升工作效率。

- IEEE期刊雜誌及會議論文
- 標準規範HTML模式即將登場

Search Algorithms for Regression Test Case Prioritization

Regression testing is an expensive, but important, process. Unfortunately, there may be insufficient resources to allow for the reexecution of all test cases during regression testing. In this situation, test case prioritization techniques aim to improve the effectiveness of regression testing by ordering the test cases so that the most beneficial are executed first. Previous work on regression test case prioritization has focused on greedy algorithms. However, it is known that these algorithms may produce suboptimal results because they may construct results that denote only local minima within the search space. By contrast, metaheuristic and evolutionary search algorithms aim to avoid such problems. This paper presents results from an empirical study of the application of several greedy, metaheuristic, and evolutionary search algorithms to six programs, ranging from 374 to 11,148 lines of code for three choices of fitness metric. The paper addresses the problems of choice of fitness metric, characterization of landscape modality, and determination of the most suitable search technique to apply. The empirical results replicate previous results concerning greedy algorithms. They shed light on the nature of the regression testing search space, indicating that it is multimodal. The results also show that genetic algorithms perform well, although greedy approaches are surprisingly effective, given the multimodal nature of the landscape

This paper appears in: [Software Engineering, IEEE Transactions on](#) , Issue Date: [April 2007](#) , Written by: [Li, Zheng](#); [Harman, Mark](#); [Hierons, Robert M.](#)

- 輕鬆瀏覽文章的每個章節
- 毫不費力地找到文中的圖表、圖像、數學公式、引用文獻、關鍵字以及各種多媒體檔案



Zheng Li

Zheng Li received the degree in computer science in 2004 from the Beijing University of Chemical Technology, China, where he also worked from 1996-2004. In 2005, he joined the software engineering group in the Department of Computer Science at King's College London. Currently, he is a research associate and PhD student, working on the EPSRC project ConTRACTs. His present research interests include search-based ...

[▶ More About this Author](#)

Mark Harman

Mark Harman is a professor of software engineering and the head of the Software Engineering Group in the Department of Computer Science, at King's College London, where he also directs the work of the Centre for Research on Evolution, Search and Technology (CREST). He has worked extensively on program slicing, transformation, and testing and more recently, he was instrumental in founding the field ...

[▶ More About this Author](#)

Robert M. Hierons

Robert M. Hierons received the BA degree in mathematics (Trinity College, Cambridge) and the PhD degree in computer science (Brunel University). He then joined the Department of Mathematical and Computing Sciences at Goldsmiths College, University of London, before returning to Brunel University in 2000. He was promoted to full professor in 2003.

[▶ More About this Author](#)[View All](#)

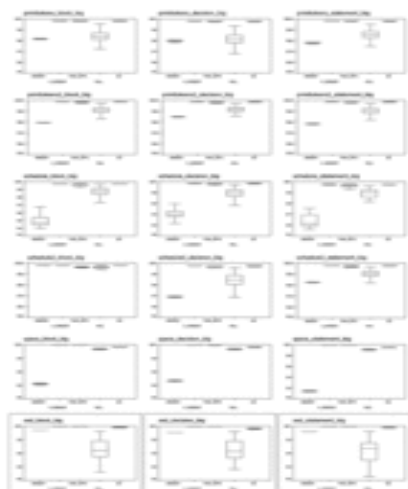


Fig. 4. Boxplots of APBC, APDC, and APSC for all programs with large test suites (vertical axis is AP* C score) by program and coverage criteria.

- ▶ [View in Context](#)
- ▶ [View Hi-Res Image](#)
- ▶ [View All Figures](#)

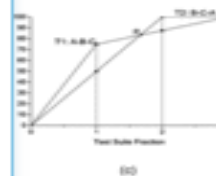


Fig. 5.



View All

[Download PDF](#)

This paper appears in:
Software Engineering, IEEE Transactions on

Issue Date:
April 2007

On page(s):
undefined - undefined

ISSN:
0098-5589

INSPEC Accession Number:
9402254

Digital Object Identifier:
10.1109/TSE.2007.38

Date of Current Version:
2007-03-12

Date of Original Publication:
No Data Available

Text Size

[Normal](#) | [Large](#)

SECTION 1 Introduction

Regression testing is a frequently applied but to (re)verify modified software. Many approaches have been investigated. Test case prioritization approaches, which orders test cases so that they are executed according to some criterion (a fitness metric).

Rothermel et al. [18] define the test case prioritization problem (Rothermel et al.) as follows:

The Test Case Prioritization Problem.

Given: T , a test suite; PT , the set of permutations of T ; f , a function from PT to the real numbers.

Problem: Find $T' \in PT$ such that

$$(\forall T'' (T'' \in PT) (T'' \neq T') [f(T') \geq (T'')]).$$

[View Source](#)

Here, PT represents the set of all possible prioritizations (orderings) of T and f is a function that, applied to any such ordering, yields an award value for that ordering.

[JUMP](#)

- [1Introduction](#)
- [2Algorithms](#)
- [3Empirical Study](#)
- [4Related Work](#)
- [5Conclusions and Future Work](#)
- [Appendix](#)

[Quick Preview](#)[Figures](#) [Full Text](#)[Footnotes](#)[References](#)[Authors](#)[Cited By](#)[Keywords](#)[Corrections](#)



Download PDF

This paper appears in:
[Software Engineering, IEEE Transactions on](#)

Issue Date:
[April 2007](#)

On page(s):
undefined - undefined

ISSN:
0098-5589

INSPEC Accession Number:
9402254

Digital Object Identifier:
[10.1109/TSE.2007.38](#)

Date of Current Version:
2007-03-12

Date of Original Publication:
No Data Available

SECTION 1 Introduction

JUMP



Regression testing is a frequently applied but expensive maintenance process that aims to (re)verify modified software. Many approaches for improving the regression testing processes have been investigated. Test case prioritization [17] [18] [22] is one of these

18. G. Rothermel, R. Untch, C. Chu, M.J. Harrold, "Prioritizing Test Cases for Regression Testing", IEEE Trans. Software Eng., no.10, pp.929-948, Oct, 2001

[View All References](#) | [Full Text: PDF](#)

with highest priority, tested first.

problem and describe several problem is defined (by

The Test Case Prioritization Problem.

Given: T , a test suite; PT , the set of permutations of T ; f , a function from PT to the real numbers.

Problem: Find $T' \in PT$ such that

$$(\forall T'' (T'' \in PT) (T'' \neq T') [f(T') \geq (T'')]).$$

[View Source](#)

[Quick Preview](#)

[Figures](#)

[Full Text](#)

[Footnotes](#)

[References](#)

[Authors](#)

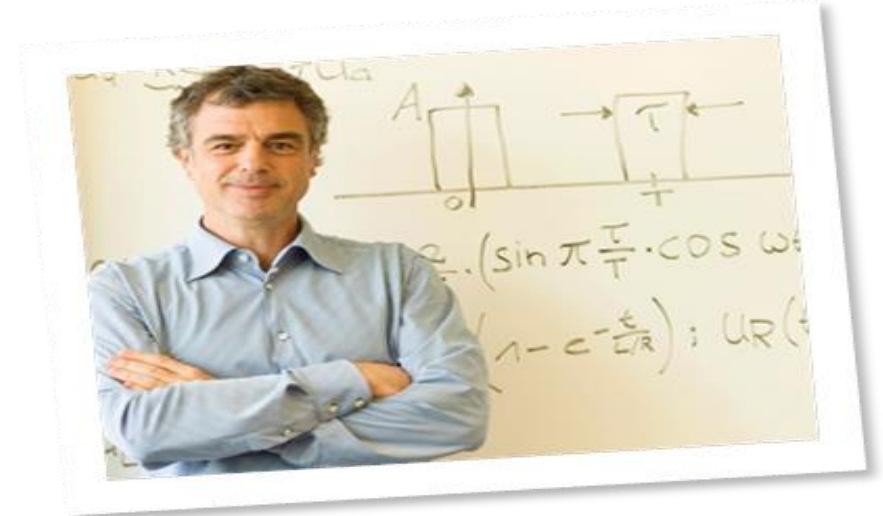
[Cited By](#)

[Keywords](#)

[Corrections](#)

小小提醒

- ❑ 請勿使用機器人程式作大量下載，以維護學校聲譽及其他師生的使用權益
- ❑ 若有任何使用問題，請提供畫面及連結的完整截圖，以協助原廠盡快查明原因



歡迎與我們聯繫

E-mail: service@hintoninfo.com

Phone: (02) 2799-3110 #231