Association for Computing Machinery
Advancing Computing as a Science & Profession

ACM DL DIGITAL LIBRARY

การใช้งานฐานข้อมูล ACM Digital Library

โดย จิรวัฒน์ พรหมพร

jirawat@book.co.th

แผนกสนับสนุนฝ่ายทรัพยากร

อิเล็กทรอนิกส์ทางการศึกษา

บริษัท บุ๊ค โปรโมชั่น แอนด์ เซอร์วิส จำกัด

โครงการพัฒนาเครือข่ายระบบห้องสมุดในประเทศไทย (ThaiLIS)

ปรับปรุงครั้งล่าสุด 15/12/57

Association for Computing Machinery

Advancing Computing as a Science & Profession

สารบัญ

- ACM คืออะไร
- หน้าจอหลัก (ACM Homepage)
- การเข้าดู ACM ตามประเภทของสิ่งพิมพ์ (Browse Publications)
- วิธีการสืบค้น
  - Quick Search
  - Advanced Search
- หน้าแสดงรายการผลลัพธ์ (Search Results)
- หน้าแสดงเอกสาร (Article)
- การพิมพ์/บันทึกเอกสารฉบับเต็ม (Print & Save)

Association for Computing Machinery

Advancing Computing as a Science & Professi

Introduction

ACM Digital Library เป็นฐานข้อมูลทางด้านคอมพิวเตอร์และเทคโนโลยีสารสนเทศ จากสิ่งพิมพ์ต่อเนื่อง จดหมายข่าว และเอกสารในการประชุมวิชาการ ที่จัดทำโดย ACM (Association for Computing Machinery) ซึ่งเนื้อหาเอกสารประกอบด้วยข้อมูลที่สำคัญ เช่น รายการบรรณานุกรม สาระสังเขป article reviews และบทความฉบับเต็ม ให้ข้อมูลย้อนหลังตั้งแต่ปี 1985-ปัจจุบัน

Search Methods

- Browse Publications
- Quick Search
- Advanced Search

ACM DIGITAL LIBRARY

Mahidol University

Homepage

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

ACM Transactions on Computer-Human Interaction (TOCHI)
Volume 20 Issue 6

ACM Transactions on Interactive Intelligent Systems (TiiS)
Volume 3 Issue 4

Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

The Encyclopedia of Computer Science
"...is the definitive reference in computer science and technology..."

ACM DL DIGITAL LIBRARY

Mahidol University

Browse the ACM Publications

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

ACM Transactions on Computer-Human Interaction (TOCHI)
Volume 20 Issue 6

Advanced Search

Browse the ACM Publications:
- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:
- Special Interest Groups (SIGs)

Browse the Conferences:
- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:
- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

The Encyclopedia of Computer Science
"...is the definitive reference in computer science and technology..."

เป็นการไล่เรียงสิ่งพิมพ์ภายในฐานข้อมูล ACM และให้บริการเอกสารฉบับเต็ม (Full Text) เช่น Journals/Transactions, Proceedings เป็นต้น

Browse the ACM Publications Journals/Transactions

ACM Journals/Transactions

Search within the ACM Journals: SEARCH

2

CSUR ACM Computing Surveys (CSUR)

These comprehensive, readable tutorials and survey papers give guided tours through the literature and explain topics to those who seek to learn the basics of areas outside their specialties. The carefully planned and presented introductions in *Computing Surveys (CSUR)* are also an excellent way for professionals to develop perspectives on, and identify trends in complex technologies. Recent issues have covered image understanding, software reusability, and object and relational database topics.

JACM Journal of the ACM (JACM)

The *Journal of the ACM (JACM)* provides coverage of the most significant work on principles of computer science, broadly construed. The scope of research covered encompasses contributions of lasting value to any area of computer science. To be accepted, a paper must be judged to be truly outstanding in its field. JACM is interested in work in core computer science and in work at the boundaries, both the boundaries of subdisciplines of computer science and the boundaries between computer science and other fields.

1

JDIQ Journal of Data and Information Quality (JDIQ)

JDIQ's mission is to publish high quality articles that make a significant and novel contribution to the field of data and information quality. JDIQ welcomes research contributions on the following areas, but not limited to: Information Quality in the Enterprise Context; Database related technical solutions for Information Quality; Information Quality in the context of Computer Science and Information Technology; Information Curation.

JDIQ accepts research conducted using a wide variety of methods ranging from positivists to interpretive methods, systems building descriptions, and database theory, as well as statistical analysis, mathematical modeling, quasi experimental methods, hermeneutics, action research, and case study. JDIQ accepts diverse research methods that are customary in different research backgrounds and traditions, both quantitative and qualitative. Research papers need to demonstrate the use of a rigorous method or methods. Research papers also need to provide valuable and relevant implications for applying their findings and solutions in practice.

1. เลือกชื่อ Journals/Transactions จากรายชื่อทั้งหมด

2. หรือ พิมพ์คำค้นเพื่อสืบค้นเฉพาะเนื้อหาภายใน Journals/Transactions ทั้งหมด

Browse the ACM Publications Journals/Transactions

ACM Journals/Transact

TALG ACM Transactions on Algorithms (TALG)

The *ACM Transactions on Algorithms (TALG)* publishes original research of the highest quality dealing with algorithms that are inherently discrete and finite, and having mathematical content in a natural way, either in the objective or in the analysis. Most welcome are new algorithms and data structures, new and improved analyses, and complexity results. In addition to original research articles TALG will include special features appearing from time to time such as invited columns and a problems section.

Search within TALG: SEARCH

About | Award Winners | Authors | Affiliations | Publication Archive

ACM Transactions on Algorithms (TALG)

Archive

2013

Volume 9 Issue 4, September 2013

Volume 9 Issue 3, June 2013 Special Issue on SODA'11

Volume 9 Issue 2, March 2013

2012

Volume 9 Issue 1, December 2012

Volume 8 Issue 4, September 2012

Volume 8 Issue 3, July 2012

Volume 8 Issue 2, April 2012

Volume 8 Issue 1, January 2012

2011

Volume 7 Issue 4, September 2011

เลือกเล่มและฉบับที่ต้องการจากส่วน Publication Archive

Browse the ACM Publications Journals/Transactions

ACM Transactions on Algorithms (TALG)
Volume 9 Issue 4, September 2013 table of contents

Published in:

· Journal

TALG ACM Transactions on Algorithms (TALG) archive

ACM New York, NY, USA
table of contents ISSN:1549-6325 EISSN:1549-6333

2013 Journal

Bibliometrics
· Downloads (6 Weeks): 65
· Downloads (12 Months): 372
· Downloads (cumulative): 372
· Citation Count: 1

Tools and Resources

Buy this Journal in Print

TOC Service:
Email RSS RSS

Save to Binder

Export Formats:
BibTeX EndNote ACM Ref

Share:

Feedback | Switch to single page view (no tabs)

Abstract | Source Materials | Authors | References | Cited By | Index Terms | Publication | Reviews | Comments | Table of Contents

ACM Transactions on Algorithms (TALG)
Volume 9 Issue 4, September 2013

Table of Contents

previous issue | no next issue

Morphing orthogonal planar graph drawings
Therese Biedl, Anna Lubiw, Mark Petrick, Michael Spriggs
Article No.: 29
doi>10.1145/2500118
Full text: PDF

We give an algorithm to morph between two planar orthogonal drawings of a graph, preserving planarity and orthogonality. The morph uses a quadratic number of steps, where each step is a linear morph (a linear interpolation between two drawings). This ... expand

เรียกดูเอกสารที่ต้องการ

ACM DL DIGITAL LIBRARY

Mahidol Univ

Browse the Special Interest Groups

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

ACM Transactions on Computer-Human Interaction (TOCHI)
Volume 20 Issue 6

ACM Transactions on Interactive Intelligent Systems (TiiS)
Volume 3 Issue 4

Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

The Encyclopedia of Computer Science
"...is the definitive reference in computer science and technology..."

เป็นการไล่เรียงเอกสารตามกลุ่มหัวเรื่องที่สนใจ

ACM DL DIGITAL LIBRARY

Mahidol U

Browse the Special Interest Groups

ACM Special Interest Groups

SIGACCESS Special Interest Group on Accessibility and Computing

The ACM Special Interest Group on Accessible Computing promotes the professional interests of computing personnel with disabilities and the application of computing and information technology in solving relevant disability problems. The SIG also strives to educate the public to support careers for people with disabilities.

SIGACT Special Interest Group on Algorithms & Computation Theory

The ACM Special Interest Group on Algorithms and Computation Theory is an international organization that fosters and promotes the discovery and dissemination of high quality research in theoretical computer science (TCS), the formal analysis of efficient computation and computational processes. SIGACT, through its awards program, recognizes individuals who have made significant contributions to the field in research and service. TCS covers a wide variety of topics including algorithms, data structures, computational complexity, parallel and distributed computation, probabilistic computation, quantum computation, automata theory, information theory, cryptography, program semantics and verification, machine learning, computational biology, computational economics, computational geometry, and computational number theory and algebra. Work in this field is often distinguished by its emphasis on mathematical technique and rigor.

SIGAda Special Interest Group on Ada Programming Language

The ACM Special Interest Group on Ada Programming Language provides a forum on all aspects of the Ada language and technologies, including usage, education, standardization, design methods, and compiler implementation. SIGAda's annual conference addresses Ada's role in building industrial-strength applications that support mission-critical, safety-critical, real-time, distributed, high-assurance, and high-integrity requirements. Supporting technologies that SIGAda focuses on include software engineering, software development processes, object technology, computer science education, tools, Common Object Request Broker Architecture (CORBA), and Java.

SIGAI Special Interest Group on Artificial Intelligence

The scope of SIGAI, ACM's Special Interest Group on Artificial Intelligence, consists of the study of intelligence and its realization in computer systems. SIGAI's mission is to promote and support AI-related conferences. Members receive reduced registration rates

เลือกหัวเรื่องที่สนใจ

ACM DIGITAL LIBRARY

Mahidol U

Browse the Special Interest Groups

ACM Special Interest Groups

SIGACCESS

SIGACCESS Special Interest Group on Accessibility and Computing

The ACM Special Interest Group on Accessible Computing promotes the professional interests of computing personnel with disabilities and the application of computing and information technology in solving relevant disability problems. The SIG also strives to educate the public to support careers for people with disabilities.

Search within SIGACCESS: SEARCH

About SIGACCESS | Award Winners | Authors | Affiliations | Upcoming Conferences | Publication Archive

Newsletter

ACM SIGACCESS Accessibility and Computing

ACM SIGCAPH Computers and the Physically Handicapped

Computers and Accessibility

- ASSETS '13:Proceedings of the 15th International ACM SIGACCESS Conference on Computers and Accessibility
- ASSETS '12:Proceedings of the 14th international ACM SIGACCESS conference on Computers and accessibility
- ASSETS '11:The proceedings of the 13th international ACM SIGACCESS conference on Computers and accessibility
- ASSETS '10:Proceedings of the 12th international ACM SIGACCESS conference on Computers and accessibility
- Assets '09:Proceedings of the 11th international ACM SIGACCESS conference on Computers and accessibility
- Assets '08:Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility
- Assets '07:Proceedings of the 9th international ACM SIGACCESS conference on Computers and accessibility
- Assets '06:Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility

เลือกรายการที่ต้องการจากส่วน Publication Archive

ACM DL DIGITAL LIBRARY

Mahidol University

Browse the Conferences

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

ACM Transactions on Computer-Human Interaction (TOCHI)
Volume 20 Issue 6

ACM Transactions on Interactive Intelligent Systems (TiiS)
Volume 3 Issue 4

Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

The Encyclopedia of Computer Science
"...is the definitive reference in computer science and technology..."

เป็นการไล่เรียงเอกสารการประชุมวิชาการ

ACM DIGITAL LIBRARY

Mahidol University

Browse the Conferences

Conferences

ACM SE ACM Southeast Regional Conference

ACM Southeast Regional Conference the oldest, continuously running, annual conference of the ACM. ACMSE provides an excellent forum for both faculty and students to present their research in a friendly and dynamic atmosphere in all areas of computer science.

Ada SIGAda Annual International Conference

The conference gathers industrial and government experts, educators, software engineers, and researchers interested in developing, analyzing, and certifying reliable, safe, secure software.

ANCS Architecture for Networking and Communications Systems

ANCS is a systems-oriented research conference, presenting original work that explores the relationship between the architecture of modern computer networks and the architecture of the individual hardware and software elements from which these networks are built. This year's conference will particularly emphasize insight into broader systems issues in its paper selection, to recognize and foster the growth of research that lies at the intersection of computer and network systems architecture.

APGV Applied Perception in Graphics & Visualization

Research in computer graphics and visualization has great potential to benefit from, and contribute to, research in perception.

This symposium has brought together researchers from the fields of perception, graphics and visualization, to facilitate a wider exchange of ideas. Our goals are to use insights from perception to advance the design of methods for visual, auditory and haptic representation, and to use computer graphics to enable perceptual research that would otherwise not be possible.

To receive information and updates about APGV, you may subscribe to the APGV mailing list by sending an email to this address. To unsubscribe, send an email to this other addressResearch in computer graphics and visualization has great potential to benefit from, and contribute to, research in perception

เลือกชื่อเอกสารการประชุมวิชาการที่ต้องการ

ACM DIGITAL LIBRARY

Mahidol University

Browse the Conferences

Conferences

ACM SE

ACM SE ACM Southeast Regional Conference

ACM Southeast Regional Conference the oldest, continuously running, annual conference of the ACM. ACMSE provides an excellent forum for both faculty and students to present their research in a friendly and dynamic atmosphere in all areas of computer science.

About | Award Winners | Authors | Affiliations | Sponsors | Publication Archive | Web Archive

Annual Southeast Regional Conference

- ACMSE '13:Proceedings of the 51st ACM Southeast Conference
- ACM-SE '12:Proceedings of the 50th Annual Southeast Regional Conference
- ACM-SE '11:Proceedings of the 49th Annual Southeast Regional Conference
- ACM SE '10:Proceedings of the 48th Annual Southeast Regional Conference
- ACM-SE 47:Proceedings of the 47th Annual Southeast Regional Conference
- ACM-SE 46:Proceedings of the 46th Annual Southeast Regional Conference on XX
- ACM-SE 45:Proceedings of the 45th annual southeast regional conference
- ACM-SE 44:Proceedings of the 44th annual Southeast regional conference
- ACM-SE 43:Proceedings of the 43rd annual Southeast regional conference - Volume 2
- ACM-SE 43:Proceedings of the 43rd annual Southeast regional conference - Volume 1
- ACM-SE 42:Proceedings of the 42nd annual Southeast regional conference
- ACM-SE 38:Proceedings of the 38th annual on Southeast regional conference
- ACM-SE 37:Proceedings of the 37th annual Southeast regional conference (CD-ROM)
- ACM-SE 36:Proceedings of the 36th annual Southeast regional conference
- ACM-SE 33:Proceedings of the 33rd annual on Southeast regional conference
- ACM-SE 30:Proceedings of the 30th annual Southeast regional conference

เลือกปีจัดการประชุมที่ต้องการจากส่วน Publication Archive

ACM DL DIGITAL LIBRARY

Mahidol University

Browse the Special Collections

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

เป็นการไล่เรียงสิ่งพิมพ์ชุดพิเศษ ได้แก่

- ACM International Conference Proceeding Series เป็นการประชุมวิชาการที่จัดโดยองค์กรอื่นๆ แต่พิมพ์เผยแพร่บนออนไลน์โดย ACM เพื่อลดต้นทุนการผลิตสิ่งพิมพ์ที่เป็นตัวเล่ม

- Classical Book Series เป็นหนังสือทางวิทยาการคอมพิวเตอร์ที่น่าสนใจ ซึ่งได้รับการสำรวจความคิดเห็นจากสมาชิกของ ACM

Browse the Publications by Affiliated Organizations

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

ACM Transactions on Computer-Human Interaction (TOCHI)
Volume 20 Issue 6

ACM Transactions on Interactive Intelligent Systems (TiiS)

Advanced Search

Browse the ACM Publications:
- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:
- Special Interest Groups (SIGs)

Browse the Conferences:
- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:
- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

The Encyclopedia of Computer Science
"...is the definitive reference in computer science and technology..."

เป็นการไล่เรียงสิ่งพิมพ์จากสำนักพิมพ์พันธมิตร

ACM DL DIGITAL LIBRARY

Mahidol University

Browse all literature by type

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)
Volume 10 Issue 1

Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]
Books
Periodicals
Proceedings
Theses
Reports
RFCs

Browse all literature by Publis

Browse by the ACM Computing ystem

เป็นการไล่เรียงสิ่งพิมพ์จากฐานข้อมูลบรรณานุกรมและสาระสังเขปทางด้านคอมพิวเตอร์ ไม่ให้บริการเอกสารฉบับเต็ม (Full Text) จากสำนักพิมพ์ที่มีชื่อเสียงมากกว่า 6,000 สำนักพิมพ์ รวบรวมเนื้อหาจากสิ่งพิมพ์หลายประเภท เช่น Books, Periodicals, Proceedings, Theses, Reports เป็นต้น

Association for Computing Machinery

ACM DIGITAL LIBRARY

Mahidol University

Quick Search

1 SEARCH

Full text of every article ever published by ACM and bibliographic citations from major publishers in computing.

- Using the ACM Digital Library
- For Consortia Administrators

Announcements

- ***JOINT IEEE/ACM TRANSACTIONS TO LAUNCH 2014***
  IEEE and ACM are pleased to announce that the IEEE Transactions on Audio, Speech, and Language Processing and the ACM Transactions on Speech and Language Processing will be published jointly as the IEEE/ACM Transactions on Audio, Speech, and Language Processing, starting January 2014. Papers from the new Transactions will appear in both IEEE Xplore and the ACM Digital Library. Publication will be managed by IEEE as a hybrid journal, allowing either traditional or open access manuscript submission. The new journal welcomes novel contributions in all areas covered by the two journals, which includes audio, speech, and language processing and the sciences that support them.

  For more information on the new journal, see IEEE TASLP. For new submissions, go to http://mc.manuscriptcentral.com/sps-ieee

Recently loaded issues and proceedings:
(available in the DL within the past 2 weeks)

ACM Journal on Emerging Technologies in Computing Systems (JETC)

Volume 3 Issue 4

2 Advanced Search

Browse the ACM Publications:

- Journals/Transactions
- Magazines
- Proceedings

Browse the Special Interest Groups:

- Special Interest Groups (SIGs)

Browse the Conferences:

- Recent and Upcoming Conferences
- Conference Listing

Browse the Special Collections:

- eBooks available to ACM Members
- ACM International Conference Proceeding Series (ICPS)
- Classic Book Series
- ACM Oral History interviews

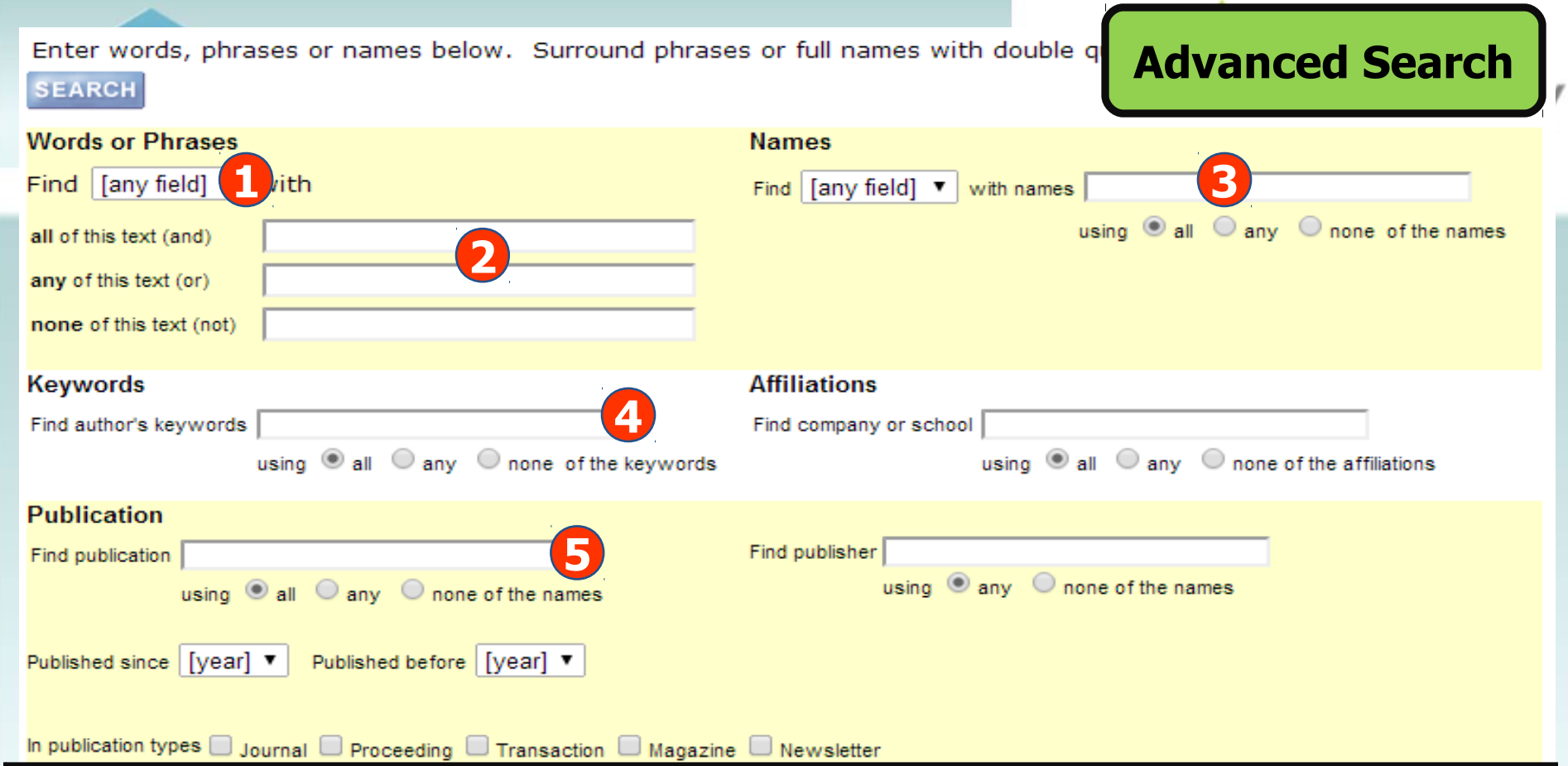
Browse the Publications by Affiliated Organizations

Browse all literature by type [select a type]

Browse all literature by Publisher

Browse by the ACM Computing Classification System

1. พิมพ์คำหรือวลี และคลิกปุ่ม Search
2. หรือ คลิกที่ Advanced Search เพื่อเลือกสืบค้นขั้นสูง



1. ระบุเขตข้อมูลที่ต้องการ เช่น Title, Abstract, Review
2. พิมพ์คำค้นในช่อง all of this text (and) = ทุกคำต้องปรากฏอยู่ในเอกสารเดียวกัน
   any of this text (or) = คำใดคำหนึ่ง หรือทุกคำ ต้องปรากฏอยู่ในเอกสารเดียวกัน

   none of this text (not) = คำนี้ต้องไม่ปรากฏอยู่ในเอกสารเดียวกัน
3. หรือ ระบุชื่อบุคคลที่ปรากฏในส่วนผู้แต่ง หรือ ผู้ที่ Edit หรือ ผู้ที่ Review เอกสาร
4. หรือ เลือกค้นจากคำสำคัญ Keywords หรือ หน่วยงานที่ผู้แต่งสังกัด Affiliations
5. หรือ เลือกค้นหาสิ่งพิมพ์จากชื่อสิ่งพิมพ์ ชื่อสำนักพิมพ์ ระยะเวลาการตีพิมพ์ของเอกสาร หรือ เลือกประเภทสิ่งพิมพ์ที่ต้องการ

Advanced Search (ต่อ)

Conference

Find sponsor names 6

using all any none of the names

Find location

using any none of the locations

Find year (yyyy)

using any none of the years

Identification codes

Find ISBN/ISSN 7

Find DOI

Computing Classification System (CCS)

Find node

Find subject/noun 8

Look at primary category only

Required components 9

Results must have Full Text Abstract Review

10 SEARCH

6. หรือ เลือกค้นหาเอกสารการประชุมจากผู้สนับสนุนการประชุม สถานที่การประชุม หรือ ปีที่จัดประชุม
7. หรือ เลือกค้นจากหมายเลข ISBN, ISSN หรือ DOI
8. หรือ เลือกค้นจากหมวดหมู่ Computing Classification System (CCS)
9. เลือกสืบค้นในเอกสารฉบับเต็ม สาระสังเขป หรือ บทวิจารณ์บทความ (Review)
10. คลิก Search เพื่อสืบค้น

ACM DIGITAL LIBRARY

Mahidol University

cai OR "

Search Results

Searching for: cai OR "computer assisted instruction" (start a new search)

Found **1,372** within *Publications from ACM and Affiliated Organizations* (Full-Text collection)

Expand your search to The ACM Guide to Computing Literature (Bibliographic citations from major publishers in computing: **2,187,705** records)

REFINE YOUR SEARCH

Refine by Keywords

cai OR "computer assist

SEARCH

Refine by People

Names
Institutions
Authors
Editors
Reviewers

Refine by Publications

Publication Year
Publication Names
ACM Publications
All Publications
Content Formats
Publishers

Refine by Conferences

Search Results | Related Journals | Related Magazines | Related SIGs | Related Conferences

Results 1 - 20 of 1,372

Sort by relevance in expanded form

Result page: **1** 2 3 4 5 6 7 8 9 10 next >>

1

Adaptive computer assisted instruction (CAI) for students with dyscalculia (learning disability in mathematics)

NOTE FROM ACM: It has been determined that this paper plagiarized earlier works. Therefore ACM has shut off access to this paper.

A. Brunda, J. Bhavithra

September 2010 **A2CWiC '10:** Proceedings of the 1st Amrita ACM-W Celebration on Women in Computing in India

Publisher: ACM Request Permissions

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads (Overall): 158, Citation Count: 0

NOTE FROM ACM: It has been determined that this paper plagiarized earlier works. Therefore ACM has shut off access to this paper. The paper by A. Brunda and J. Bhavithra plagiarizes the following works: Anna J Wilson, Stanislas ...

Keywords: adaptive e-learning, dyscalculia, e-learning, educational software, learning disability (LD), multi dimensional learning algorithm

2

3

1. คลิกที่ชื่อเรื่องเพื่อแสดงรายละเอียดเนื้อหา
2. เลือกดูเนื้อหาที่เกี่ยวข้องกับคำค้น
3. หรือ เลือกกรองผลลัพธ์ให้แคบลงจากส่วน Refine your search

ACM DL DIGITAL LIBRARY

Mahidol University

Article

Making the computer accessible to mentally retarded adults

Full Text: PDF

Authors: Gretchen L. Robertson GR Consulting Services, Arlington, Virginia
Deborah Hix Virginia Tech Department of Computer Science, Blacksburg, Virginia

2002 Article

Published in:

· Magazine
Communications of the ACM - Supporting community and building social capital CACM Homepage archive
Volume 45 Issue 4, April 2002
Pages 171-183
ACM New York, NY, USA
table of contents doi>10.1145/505248.506006

Bibliometrics
- Downloads (6 Weeks): 1
- Downloads (12 Months): 27
- Downloads (cumulative): 1,196
- Citation Count: 6

Tools and Resources

Request Permissions

TOC Service:
Email RSS RSS

Save to Binder

Export Formats:
BibTeX EndNote ACM Ref

Share:

Tags: assistive technologies for persons with disabilities design human factors input devices and strategies interaction styles

Feedback | Switch to single page view (no tabs)

Abstract | Authors | References | Cited By | Index Terms | Publication | Reviews | Comments | Table of Contents

Little research has been conducted on how to teach computer skills to developmentally disabled adults. A head counselor at a home for mentally retarded adults, who served as the inspiration for this article, was an enthusiastic personal computer user who tried to share computer instruction with home residents. Efforts at using commercial applications designed for young children were unsuccessful. Residents briefly watched the counselor use the applications, then lost interest. Staff members had neither the time nor the user interface background to investigate which applications and user interaction design factors might make computers accessible to home residents. In this article, we describe our empirical investigation of computer use among moderately developmentally disabled individuals.

คลิกเลือกแสดงเนื้อหาที่สนใจ เช่น Abstract สาระสังเขป, References รายการอ้างอิง, Cited by รายการอ้างถึง, Reviews การวิจารณ์เนื้อหาของบทความนี้ โดยเหล่าสมาชิกของ ACM เป็นต้น

ACM DL DIGITAL LIBRARY

Mahidol University

Export Citation

Making the computer accessible to mentally retarded adults

Full Text: PDF

Authors: Gretchen L. Robertson GR Consulting Services, Arlington, Virginia
Deborah Hix Virginia Tech Department of Computer Science, Blacksburg, Virginia

2002 Article

Published in:

· Magazine
Communications of the ACM - Supporting community and building social capital CACM Homepage archive
Volume 45 Issue 4, April 2002
Pages 171-183
ACM New York, NY, USA
table of contents doi>10.1145/505248.506006

Bibliometrics

- Downloads (6 Weeks): 1
- Downloads (12 Months): 27
- Downloads (cumulative): 1,196
- Citation Count: 6

Tools and Resources

Request Permissions

TOC Service:
Email RSS RSS

Save to Binder

Export Formats:
BibTeX EndNote ACM Ref

Share:

Tags: assistive technologies for persons with disabilities design human factors input devices and strategies interaction styles

Feedback | Switch to single page view (no tabs)

Abstract | Authors | References | Cited By | Index Terms | Publication | Reviews | Comments | Table of Contents

Little research has been conducted on how to teach computer skills to developmentally disabled adults. A head counselor at a home for mentally retarded adults, who served as the inspiration for this article, was an enthusiastic personal computer user who tried to share computer instruction with home residents. Efforts at using commercial applications designed for young children were unsuccessful. Residents briefly watched the counselor use the applications, then lost interest. Staff members had neither the time nor the user interface background to investigate which applications and user interaction design factors might make computers accessible to home residents. In this article, we describe our empirical investigation of computer use among moderately developmentally disabled individuals.

ถ้าต้องการอ้างอิงเอกสารนี้ ให้เลือกส่วน Export Formats
- ACM Ref เป็นบรรณานุกรมพร้อมใช้งาน
- EndNote ถ่ายโอนเข้าสู่โปรแกรมจัดการบรรณานุกรม

Print, Save

Making the Computer Accessible to Mentally Retarded Adults

GRETCHEN L. ROBERTSON AND DEBORAH HIX

Little research has been conducted on how to teach computer skills to developmentally disabled adults. A head counselor at a home for mentally retarded adults, who served as the inspiration for this article, was an enthusiastic personal computer user who tried to share computer instruction with home residents. Efforts at using commercial applications designed for young children were unsuccessful. Residents briefly watched the counselor use the applications, then lost interest. Staff members had neither the time nor the user interface background to investigate which applications and user interaction design factors might make computers accessible to home residents. In this article, we describe our empirical investigation of computer use among moderately developmentally disabled individuals. We investigated the input devices preferred, and the user interaction design issues to be considered when designing or selecting applications for this population.

Most research on computer use by the mentally retarded falls into two general categories: Computer science literature discusses advanced assistive technologies, such as eye-blink technologies and speech synthesizers, but does not address usability of commonly available devices for mentally retarded persons without severe physical limitations. Education and psychology literature describes use of computer technology in special education settings, focusing on teaching techniques rather than usabil-

เลือกสั่งพิมพ์ (Print) หรือ บันทึก (Save) เอกสารฉบับเต็ม

Association for Computing Machinery
Advancing Computing as a Science & Profession
ACM DL DIGITAL LIBRARY