# FINDING RELIABLE INFORMATION FOR ICOM4215

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### Type of Information Resources

Information generated is published in the form of:

- ■Web Sites
- Encyclopedias
- Dictionaries, Handbooks
- **□**Books
- Articles: Newspaper, Magazine or Journal
- □Patents
- □Standards and Codes
- Technical reports, conference proceedings, government documents, thesis or dissertations

And more ...

### Literature

Traditionally these are arranged into two levels:

# Primary or Secondary

Depending on the purpose and audience, these publications can be considered:

# Primary Literature

- Reports the results of experiments, observations, and other scientific investigation
- □ First-hand information
- Written by the scientist who conducted the research

#### Published in the forms of:

- Articles in journals (particularly peer reviewed journals)
- Presentations (papers or posters) at professional meetings or conferences
- Government reports
- Patents

# Secondary Literature

- Provide background information
- Written by authors who summarize and synthesize the information in the primary literature

#### Published in the forms of:

- Articles in magazines and newspapers (popular press)
- Popular books and undergraduate textbooks
- Encyclopedia entries
- Web Sites

# Types of publications

- Scholarly, Peer Review or Refereed Journals
  - Report on research, written by experts and reviewed by other experts in the same field
- Academic magazines
  - Written by experts but its primary purpose is to disseminate knowledge
- Newspapers and magazines
  - Articles written by non-experts for the general public
- Self-publications
  - Blogs, Web sites (depending upon the source, author or publisher these can be primary or secondary)

### Peer Reviewed Journals

#### Also known as Refereed or Scholarly Journals

- Report on original research (primary literature)
- Written by experts and reviewed by other experts in the same field
- Longer articles (in-depth analysis of the topic)
- Scholarly or technical language (jargon)
- Include citations (references) to other published research in the field

# Multidisciplinary Science Journals

- Written by experts but its primary purpose is to disseminate knowledge
- May contain both primary and secondary literature
- Illustrations with glossy or color photographs

#### **Examples:**

- Science
- Nature



# Popular Magazines

- Articles written by non-experts (staff writers and journalists) for the general public
- Shorter articles that provide broader overviews of topics
- Glossy or color photographs and illustrations
- Common or simple language

#### **Examples**

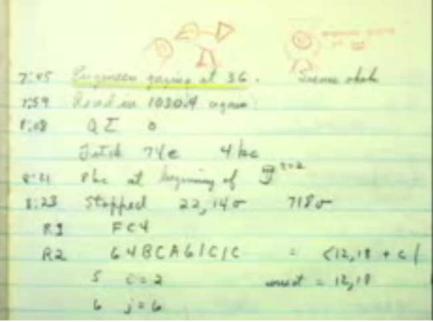
- Muy Interesante
- Newsweek
- People
- Rolling Stone
- Sport Illustrated
- Time



# Logs

#### **Primary or Secondary**





George Dyson – "The birth of the Computer" http://video.google.com/videoplay?docid=4291223655367640053#

### Patent

#### **Primary or Secondary**

#### (12) United States Patent Srinivasan (54) METHOD AND SYSTEM FOR REDUNDANCY SUPPRESSION IN DATA TRANSMISSION **OVER NETWORKS** Inventor: **Udayakumar Srinivasan**, Hayward, CA (US) (73) Assignee: Cisco Technology, Inc., San Jose, CA (US) (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 645 days. Appl. No.: 11/328,050 Jan. 9, 2006 Filed: (22)**Prior Publication Data** (65)US 2007/0174668 A1 Jul. 26, 2007 (51) **Int. Cl.** (2006.01)G06F 13/00 (52) **U.S. Cl.** ...... 710/33; 710/4; 710/20; 710/34

| (45) Date of Patent:    | May 18, 2010    |
|-------------------------|-----------------|
| (10) <b>Patent No.:</b> | US 7,721,020 B2 |

#### OTHER PUBLICATIONS

Athicha Muthitacharoen, Benjie Chen and David Mazieres, "The Low Bandwidth File System", Symposium on Operating Systems Principles, 2001.

Neil T. Spring and David Wetherall, "A protocol independent technique for eliminating redundant network traffic", Proceedings of the 2000 ACM SIGCOMM Conference, Aug. 2000, pp. 8795, Stockholm, Sweden.

\* cited by examiner

Primary Examiner—Tariq Hafiz
Assistant Examiner—Jasjit S Vidwan
(74) Attorney, Agent, or Firm—Trellis IP Law Group, PC

#### (57) ABSTRACT

Methods, systems and apparatus for suppressing redundancy in data transmission over networks are provided. Data segments are transmitted from a transmitting DPU to a receiving DPU. Initially, only signatures of the transmitted data segments are stored in a cache at the transmitting DPU. A data segment is stored in the cache only if it satisfies a redundancy-suppressing admission policy. Such a data segment is referred

### Datasheet

http://www.intel.com/support/processors/pentiumiii/sb/cs-023730.htm



# Intel<sup>®</sup> Pentium<sup>®</sup> III Processor with 512KB L2 Cache at 1.13GHz to 1.40GHz

Datasheet

#### **Product Features**

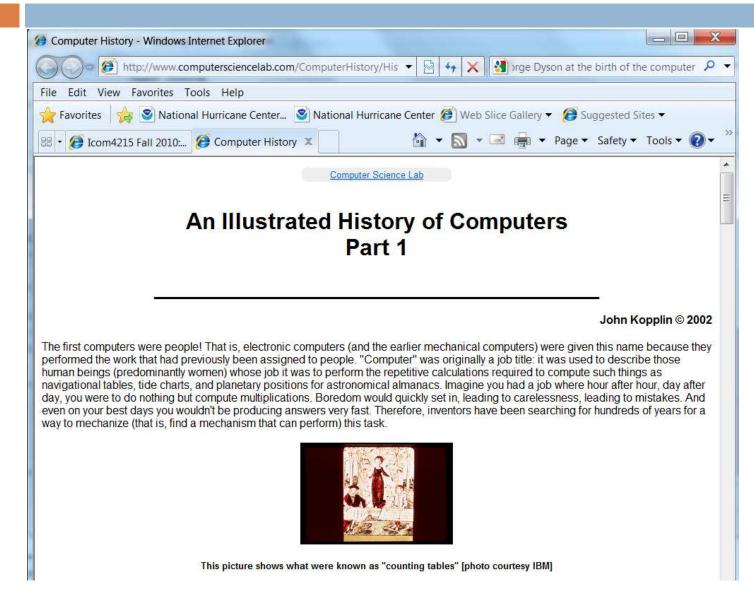
- Available at 1.13, 1.26 and 1.40GHz
- 512KB Advanced Transfer Cache (on-die, full speed Level 2 (L2) cache with Error Correcting Code (ECC))
- Dual Independent Bus (DIB) architecture: Separate dedicated external System Bus and dedicated internal high-speed cache bus
- Internet Streaming SIMD Extensions for enhanced video, sound and 3D performance
- Binary compatible with applications running on previous members of the Intel microprocessor line
- Dynamic execution micro architecture
- Power Management capabilities

- Optimized for 32-bit applications running on advanced 32-bit operating systems
- Flip Chip Pin Grid Array (FC-PGA2) packaging technology; FC-PGA2 processors deliver high performance with improved handling protection and socketability
- Integrated high performance 16KB instruction and 16KB data, nonblocking, level one cache
- 512KB Integrated Full Speed level two cache allows for low latency on read/store operations
- Quad Quadword Wide (256 bit) cache data bus provides extremely high throughput on read/ store operations.
- 8-way cache associativity provides improved

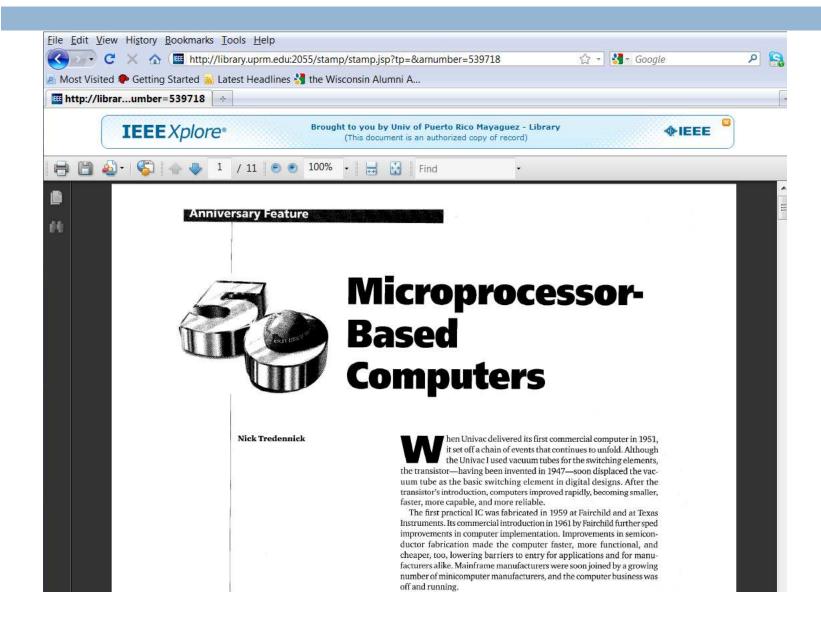
### Video



### Web Site



### Article

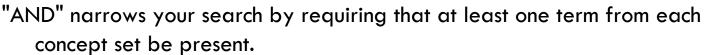


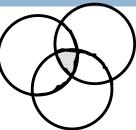
### Research Process

- Define your topic
  - Brainstorm ideas/concepts
- Develop your search strategy
  - Select search terms
  - Select databases
- Search for information
  - Evaluate what you find
- Write your paper / Create Poster / Report
- Create bibliography

# Search Query

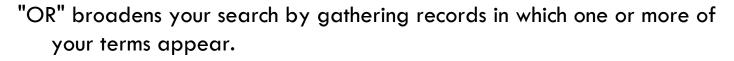
Connect the concept sets with "AND"

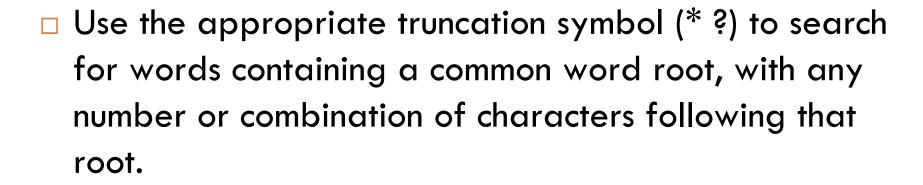




Connect the synonyms with "OR"

You must use parentheses around your synonyms connected with OR.





### Where are the books?

- Library Collections
  - Circulation (3rd & 4th fl.)
  - Puerto Rican Collection (Puertorriqueña –3rd fl.)
  - Reference (1st fl.)
- Online
  - CRCNet Base



Gale Virtual Reference Library



# Where are the journals?

- Serials and Electronic Resources Collection (1st & 2nd floor)
- Puerto Rican Collection
- Online Databases

http://www.uprm.edu/library/

# Library Databases

- Provides a quick and organized access to articles published within general and scholarly journals
- Are subscription based (not free)
- The information is trustworthy

### How to find a journal article

- Choose a database (or databases) appropriate for your topic
- Search the database(s) for articles on your topic, using keywords, subjects and/or authors
- Determine if the journal containing your article is available here either in paper or electronically
- □ Find the article

### General Databases

### Examples of general databases:

Academic Search Premier



Academic Research Library



■ Science Journals

General Science Full Text Wilson



# Specialized Databases

- Engineering Village Engineering Village

□ IEEE Xplore





American Chemical Society



□ MathScinet MathSciNet



□ IHS (iii)



# Finding Journal Article

In most cases you can obtain the article in one of these ways:

- a link directly to the article within the database
  - PDF □ PDF Full Text or HTML □ HTML Full Text
- access to the electronic version of the article



- find the print version in Library Catalog
- try Google...
- or request a copy via the Interlibrary Loan service

### Remote Access



#### **ACCESO REMOTO**

Los estudiantes y empleados del Recinto de Mayagüez pueden tener acceso a las Bases de Datos de la Biblioteca General, aún estando fuera del Recinto.

Para acceder las bases de datos fuera del Recinto, escriba su nombre de usuario y contraseña que utiliza para conectarse a Mi Portal Colegial.

Tu Nombre de Usuario: jaquelina.alvarez

Tu Contraseña:

Entrar

#### Websites

### Evaluate, Evaluate, Evaluate...

#### √ What?

WHAT is the page/site about? Does it have the kind of information you need?

#### ✓ Who?

WHO created the page/site about? Can you find and verify the author's qualifications, whether an individual or organization?

#### ✓ Where?

WHERE is the information coming from?

e.g., .edu=educational, .com=commercial,. org=organization, .gov=government

### Websites

### Evaluate, Evaluate, Evaluate...

### 

WHY is this site on the Web and how does it affect the information?

#### √ When?

WHEN was the page or information created? Is the date important for the timeliness of the content?

#### ∧ How §

How accurate or credible is the page? How would I cite it?

# Preventing Plagiarism

- Read, read, read...
- Take effective notes
- Make it clear WHO said WHAT
- Know how to paraphrase (restatement in your own words)
- Consult with your instructor

### References

A reference is a consistent method of acknowledging another persons ideas, which you may have used, in your own written report, article or dissertation.

IEEE Editorial Style Manual

http://standards.ieee.org/guides/style/2009 Style Manual.pdf

□http://www.zotero.org **70ter** 



# Need Help?

Call or email us, or stop by, we will be glad to help!





3, x2259

1 Bases: x2026

rves: x3584, x2159

Personalmente | Teléfono | E-mail

ICOM 4215

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