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INSTITUTO POLITÉCNICO NACIONAL  
CENTRO DE INVESTIGACIÓN EN  
COMPUTACIÓN  
BIBLIOTECA

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# **BASES DE DATOS**

*Noviembre 2009*

# CENGAGE LEARNING: Computer Database

## Descripción:

Es una efectiva base de datos que contiene información actualizada sobre investigaciones, noticias y comentarios de la industria de la computación, electrónica y telecomunicaciones.

## Incluye:

1,033 títulos de revistas

## Acceso:

Desde cualquier computadora conectada a la red del CIC. Acceso ilimitado.

## Dirección:

<http://infotrac.galegroup.com/itweb/ipncic>

The screenshot shows the web interface of the Cengage Learning Computer Database. At the top, there is a navigation bar with the GALE CENGAGE Learning logo and links for 'Cambiar Bases de Datos', 'Herramientas IPN - CENTRO DE INVESTIGACION EN COMP.', and user options 'ENTRAR' and 'SALIR'. The main header features the title 'COMPUTER Database' and 'INFOTRAC'. Below this is a search navigation bar with four options: 'BÚSQUEDA BÁSICA', 'BÚSQUEDA POR GUÍA DE TEMAS', 'BÚSQUEDA POR PUBLICACIÓN', and 'BÚSQUEDA AVANZADA'. The main content area is divided into two columns. The left column contains a 'Tablero de Control' with sections for 'Actualmente buscando' (showing 3,484,649 articles updated as of Jan 27, 2010), 'Rango de fecha' (1980-2010), 'About Computer Database' (describing the database's focus on hardware, software, and IT), and 'Publicación Resaltada' (highlighting 'InformationWeek'). The right column is titled 'Buscar en la página' and includes a search box, a 'SEARCH' button, and radio buttons for search criteria: 'Tema', 'Palabra Clave' (selected), and 'Texto Completo'. Below the search options are checkboxes for 'Limitar Resultados', with 'a documentos de texto completo' checked. A 'Qué hay nuevo' section lists recent articles with their titles, publishers, and details. The first article is about Google malware, published in 'Network World'. The second is about banking Trojan horses, published in 'PC World'. The third is about a Koobface worm, published in 'Computer Active'. The fourth is about Facebook worms, published in 'Network World'. Each article entry includes a 'Full-text' link and a star icon for favorites.

# COMPUTERSCIENCENETBASE

## Descripción:

Desde las actuales corrientes en cuanto a la bioinformática y la minería de datos hasta la orientación de JAVANÉS, MATLAB y C++, esta biblioteca, caracterizada por los libros de Chapman Hall/CRC, proporciona a informáticos, estadísticos e investigadores sobre sistemas de información con el conocimiento de programas y métodos para desarrollar parámetros eficaces y de manera eficiente tener acceso, organizar, y analizar los datos vitales a sus proyectos.

## Incluye:

Más de 100 libros en texto completo.

## Acceso:

Desde cualquier computadora conectada a la red del CIC. Acceso ilimitado.

## Dirección:

<http://computer-sciencenetbase.com/>

The screenshot displays the website's layout. At the top is a blue header with the logo 'COMPUTERSCIENCE<sub>net</sub>BASE'. Below the header is a navigation bar with links for 'HOME', 'CONTACT US', and 'PRICES'. The main content area is divided into several sections:

- Search Our Site:** Includes a search input field and a link to 'Advanced Search'.
- Registered Users:** Features a login form with fields for 'Email:' and 'Password:', a 'Remember My Info' checkbox, and a 'Login' button. It also includes links for 'Athens/Institution Login', 'Not a Subscriber?', and 'Forgotten Password?'. A note at the bottom states 'A CRCnetBASE Product'.
- Information:** A list of links including 'How it Works', 'Sign up for New Book Alerts', 'New Books', 'How to Order', 'Editors', and 'Technical Support'.
- Browse by Category:** A section titled 'Browse by Category' with the subtext 'Now featuring 136 titles online'. It lists various categories such as 'All Categories', 'Algorithms and Complexity', 'Computation', 'Computational Biology', 'Computer Engineering', 'Computer Graphics, Multimedia and Visualization', 'Cryptography & Coding Theory', 'Data Mining and Knowledge Discovery', 'Discrete Systems', 'Machine Learning and Pattern Recognition', and 'Theory'.
- ALL Categories:** A list of book titles with small book icons, including 'A Java Library of Graph Algorithms and Optimization', 'A Practical Guide to Data Structures and Algorithms using Java', 'Algorithmic Combinatorics on Partial Words', 'Algorithmic Cryptanalysis', 'An Atlas of Edge-Reversal Dynamics', 'An Atlas of the Smaller Maps in Orientable and Nonorientable Surfaces', 'Analog and VLSI Circuits', 'Artificial Intelligence with Uncertainty', 'Authentication Codes and Combinatorial Designs', 'Automated Taxon Identification in Systematics: Theory, Approaches and Applications', 'Automotive Embedded Systems Handbook', 'Biodiversity Databases: Techniques, Politics, and Applications', 'Biometric Inverse Problems', 'Chemical Information Mining', 'Chromatic Graph Theory', and 'Codes: The Guide to Secrecy From Ancient to Modern Times'.
- Recent Online Titles...:** A section showing three book covers with titles: 'Data Flow Analysis', 'Embedded Multiprocessors', and 'Discrete-Event Modeling and Simulation'.
- Related Print Titles from CRC Press:** A section featuring two book covers: 'Combinatorial Methods with Computer Applications' and 'Parallel Algorithms'.

# IEEE/Computer Society Digital Library (CSDL)

## Descripción:

Cubre las publicaciones editadas por el IEEE Computer Society.

## Incluye:

Veintiséis títulos de revistas y 250 documentos de conferencias.

## Acceso:

Desde cualquier computadora conectada a la red del CIC. Limitado a cinco usuarios simultáneos.

## Dirección:

<http://www.computer.org/portal/web/cSDL>

The screenshot shows the IEEE Computer Society Digital Library website. At the top, there is a navigation bar with the IEEE logo and the text "computer society". Below this is a search bar with "Search" and "Advanced Search" buttons. A secondary navigation bar contains links for Home, Join, Publications, Conferences, Digital Library, Build Your Career, e-Learning, Certification & Training, Communities, Store, and Login. Below the navigation bar is a large blue graphic with the text "CS DIGITAL LIBRARY". A third navigation bar includes links for Digital Library Home, Subscribe, Search, Resources, Institutional and Library Resources, Newsletter, and About the Digital Library. The main content area is divided into several sections: "Browse by Subject" with a list of subjects like Artificial Intelligence, Biometrics, and Biotechnology; "MAGAZINES" with a search bar and a list of magazine titles including Computer, Computing in Science & Engineering, IEEE Annals of the History of Computing, IEEE Computer Graphics and, IEEE Internet Computing, IEEE Micro, IEEE MultiMedia, IEEE Pervasive Computing, and IEEE Security & Privacy; and a promotional banner for "SAVE 20% on 100's of Wiley-IEEE Computer Society Press titles!" with a code "2009C" and a small image of a book cover titled "Software Maintenance Management".

## IET Digital Library

### Descripción:

Cubre áreas como: Ingeniería eléctrica y electrónica, Telecomunicaciones, Computación, Energía, Control, Radar, Circuitos y Materiales, entre otras.

### Incluye:

- ❖ Micro & Nano Letters
- ❖ Electronic Letters
- ❖ 20 IET Research Journals
- ❖ 1 Magazine (La revista de los miembros de IET) "Engineering and Technology"
- ❖ IET Conference Publications (conferencias y seminarios)

### Acceso:

Desde cualquier computadora conectada a la red del CIC. Acceso ilimitado.

### Dirección:

<http://www.ietdl.org/>

The screenshot shows the IET Digital Library website. At the top left is the IET logo. To its right is the text "IET Digital Library". Further right is a search bar with the placeholder text "Enter Any Word" and a "Search" button. Below the search bar is a link for "Advanced Search". A navigation menu includes "Home", "Help", "Contact", and "Sign Out". On the right side of the header, there are links for "myPublications", "myArticles", and "TOC Alerts". Below the header is a navigation bar with three dropdown menus: "JOURNALS", "MAGAZINES", and "CONFERENCES". On the left side, there is a vertical menu with links: "IET Digital Library", "Journals", "Magazines", "Conferences", "Features", "Subscriptions", "Support", and "Contacts". The main content area is titled "Welcome to the IET Digital Library". It contains two paragraphs of text. The first paragraph describes the formation of IET from the IEE and IIE. The second paragraph describes the library's holdings, including 95,000 technical papers, 20 research journals, and the member magazine "Engineering & Technology". A "New User?" box at the bottom left offers to help with browsing and searching. On the right side, there are "News" and "Tips" sections. The "News" section mentions a "journal archive" available in 2010. The "Tips" section suggests using a "site map" and "advanced search". At the bottom right, there is a "New Journals" section featuring "IET Power Electronics" with a small image of a circuit board.

## Computing Reviews

### Descripción:

Compila revisiones críticas imparciales de expertos en publicaciones actuales sobre computación. Sus metas son proporcionar una descripción de progresos en la computación tanto a especialistas como internistas que deseen examinar el campo en conjunto; proveer materiales y estructuras de calidad; y construir comunidades de informáticos promoviendo el intercambio de ideas.

Las áreas que incluye son: Literatura General, Hardware, Sistemas de computación, Datos, Teoría de la computación, Matemáticas de la computación, Sistemas de Información, Metodología de la computación, Aplicaciones, Mileux computing.

### Incluye:

Participan más de 1,000 revisores.

### Acceso:

Desde cualquier computadora conectada a la red del CIC. Acceso ilimitado.

### Dirección:

<http://www.reviews.com/>

**Computing Reviews** Association for Computing Machinery  
REVIEWS.COM

TODAY'S ISSUE HOT TOPICS SEARCH BROWSE RECOMMENDED MY ACCOUNT LOGIN

HOME TOPICS TITLES QUOTES BLOG FEATURED REVIEWER ? RSS FEED

November 6, 2009 Search

**EDITOR'S PICK**

**The economics of iterative software development**  
Should this book fall into the hands of an old-fashioned, engineering-oriented chief information officer (CIO), it might provoke severe shock, as it likens software development to movie making and other artistic endeavors. Seriously speaking, many authors, starting with Brooks [1], have warned that... [more](#)

**QUOTE**

Next we turn to a feedback loop that again includes a human element, but with a difference. Here man does not have the controlling functions of sensing and corrective action; instead, he plays... [more](#)

- Otto Mayr (1970)

**ARTICLES**

**Optimising multiple quality criteria of service-oriented software architectures: QUASSOSS 09**  
Martens, Brosch, and Reussner present an automated approach for optimizing service-oriented architecture (SOA) models with respect to performance and reliability. The approach consists of... [more](#)  
Software Architectures (D.2.11) | Nov 6 09

**BOOKS**

**Digital forensics: digital evidence in criminal investigations**  
While there is a growing body of literature that addresses digital forensics, few books focus on digital evidence and criminal investigation. The book consists of... [more](#)  
Crime Involving Computers (K.4.1...) | Nov 6 09

**Computers Education** **The learning context: influence on learning to program: Computers & Education**  
Gövdender studies the influence of different



# ACM Digital Library

## Descripción:

Recurso en línea que contiene todas las revistas, magazines y conferencias de la Association for Computing Machinery desde 1954 a la fecha.

## Incluye:

Cerca de 40 revistas y 85 memorias de conferencias, entre otras.

## Acceso:

Desde cualquier computadora conectada a la red del CIC. Acceso ilimitado.

## Dirección:

<http://portal.acm.org/dl.cfm>

The screenshot shows the ACM Digital Library portal. At the top left is the 'PORTAL' logo with 'NYE OMICRON SA DE CV' below it. To the right are links for 'Subscribe (Full Service)', 'Register (Free, Limited Service)', and 'Login'. Below these is a search bar with radio buttons for 'The ACM Digital Library' (selected) and 'The Guide', and a 'SEARCH' button. The main content area is divided into two columns. The left column features a green header 'THE ACM DIGITAL LIBRARY' and text stating 'Full text of every article ever published by ACM.' It includes links for 'Using the ACM Digital Library' and 'Frequently Asked Questions (FAQ's)'. Below this are announcements for 'ACM Transactions on Modeling and Computer Simulation (TOMACS) Seeking Editor-in-Chief' and 'Journal of Data and Information Quality Debuts'. A section titled 'Recently loaded issues and proceedings:' lists 'ACM Transactions on Architecture and Code Optimization (TACO) Volume 6 Issue 4', 'ACM Transactions on Embedded Computing Systems (TECS) Volume 9 Issue 2' and 'Volume 9 Issue 1', and 'ACM Transactions on Modeling and Computer Simulation (TOMACS)'. The right column has a list of links: 'Advanced Search', 'Browse the Digital Library:' (with sub-links for Journals, Magazines, Transactions, Proceedings, Newsletters, Publications by Affiliated Organizations, Special Interest Groups (SIGs), and ACM Oral History interviews), 'Personalized Services: Login required', 'My Binders', and 'TOC Service'. At the bottom right, there is an 'Author Profile' section with a photo and a link to 'Author Profile Pages Beta'.

# IEEE Xplore Digital Library

## Descripción:

Proporciona acceso a las revistas más citadas, en el ámbito mundial, en ingeniería eléctrica, ciencias de la computación y electrónica.

## Incluye:

Journals, Transactions, Letters, Magazines, Conference Proceedings y Standards del IEEE, además de Journals, Letters, Magazines y Conference Proceedings del IET.

## Acceso:

Únicamente en la Biblioteca del CIC.

The screenshot shows the IEEE Xplore Digital Library website as viewed in a Windows Internet Explorer browser. The browser's address bar displays the URL <http://ieeexplore.ieee.org/xplore/guesthome.jsp>. The website header features the IEEE Xplore logo, navigation links (Home, Login, Logout, Access Information, Alerts, Purchase History, Cart, Sitemap, Help), and a navigation menu with options: BROWSE, SEARCH, IEEE XPLORE GUIDE, and SUPPORT. A banner indicates that 2,508,823 documents are online. The main content area is divided into several sections: a 'Login' section with fields for Username and Password, and a 'Forgot your password?' link; a 'Browse' section with links to Journals & Magazines, Conference Proceedings, Standards, Books, Educational Courses, and Technology Surveys; a 'Basic Search' section with a search input field and links to Advanced Search, Author Search, and CrossRef Search. Below these are promotional boxes for 'Content Updates', 'IEEE Peer Review', 'Join IEEE Now', and 'Browse AIP/AVS Applied Physics Articles'. At the bottom, there are links for 'Top 100 Documents' and 'Alerts', a 'Cookies Enabled' notice, and footer information including 'Help', 'Contact Us', 'Privacy & Security', 'IEEE.org', and '© Copyright 2010 IEEE - All Rights Reserved'. The Windows taskbar at the bottom shows the Start button and several open applications, including the browser, 'Centro de Investigaci...', 'Tips', 'Document1 - Micros...', and 'Bases de datos [Mod...]', with the system clock showing 03:03 p.m.