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# Other topics in cybernetics

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ASCII

Audio files and recordings

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Bits and Bytes

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Future of computers and cybernetics

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Interfaces

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Laser discs

Microprocessors

Morphing

MP3

Multimedia/Multimodality. *See Semiotics. Multimedia.*

Open access

Open source

PDFs

Programming

QR codes

Storage

Tagsd

Text processing

Widgets

Women and Computers/Gender and Computers

**Applications / Apps**

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 <https://www.researchgate.net/publication/352663858>

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 <https://es.babbel.com/es/magazine/un-estudio-universitario-da-con-la-app-mas-eficiente-para-aprender-idiomas>

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<http://www.geocities.com/SoHo/7373/history.htm>

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**Audio files and recordings**

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Internet resources

*British Library Sounds.\**

 <http://sounds.bl.uk/>

 2016

*Ivoox.* Podcast service.

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

 2010

See also Records; CDs.

**Bitcoins**

Video

Royuela, Santiago. "'Charlas a la Luz de la Luna' Con Eduardo Homs, hablaremos sobre criptomonedas." Video. *YouTube (Santiago Royuela Samit)* 30 April 2020.\*

<https://youtu.be/X0oeoBdvWEU>

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**Bits and Bytes**

Internet resources

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Internet resources

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**Computation**

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 <http://adsabs.harvard.edu/abs/1985RSPSA.400...97D>

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 <http://eyeintheskygroup.com/1/00-azar-graficos/leibniz.htm>

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García Landa, José Ángel. "Hacia el Ordenador Renacentista." In García Landa, *Vanity Fea* 15 Sept. 2010.\* (J. Sawday).

 <http://vanityfea.blogspot.com/2010/09/hacia-el-ordenador-renacentista.html>

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\_\_\_\_\_. "6. Nuevos cables, Nueva lógica." In Gleick, *La información.* Barcelona: Crítica, 2012. 171-206.\* (Shannon, Maxwell, Turing).

Hordijk, Wim. "The Evolution of Emergent Computation." *Evolution Institute* 10 Sept. 2018.\*

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 <http://www.thocp.net/biographies/turing_alan.html#papers>

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Von Neumann, John. *Theory of Self-Reproducing Automata.* Ed. and completed by Arthur W. Burks.

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Audio

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 <https://youtu.be/FtW3TJZuNrA>

 2015

Blogs

*Gödel's Lost Letter and P=NP.* (Richard J. Lipton, Georgia Techh)

 <http://rjlipton.wordpress.com/>

 2011

Journals

*Computability.* Ed. Elvira Mayordomo. (U de Zaragoza).

*IEEE Computer* 20 (1987).

*IEEE Spectrum* (Dec. 1994).

*IEEE Transactions in Affective Computing.* Issue 1 (2010).

 <http://www.computer.org/tac>

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*IEEE Transactions on Evolutionary Computation* 1.1 (1997).

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Fridman, Lex. "Stephen Wolfram: Cellular Automata, Computation, and Physics | Lex Fridman podcast #89." Video interview, 2019. *YouTube (Lex Fridman)*.\*

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<https://youtu.be/-t1_ffaFXao>

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\_\_\_\_\_. "Stephen Wolfram: Complexity and the Fabric of Reality | Lex Fridman Podcast #234." Video interview. *YouTube (Lex Fridman)* 27 Oct. 2021\* (Randomness, intelligence, physics, space-time, quantum theory, computation, consciousness, motion, space, time, topsight, models, multiverse, limitations, perspectivism, attention, simultaneity, perspectivism)

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 <http://www.ted.com/talks/ray_kurzweil_on_how_technology_will_transform_us.html>

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**Converters**

García Landa, José Ángel. "Conversores y conversiones." In García Landa, *Vanity Fea* 30 April 2009.\*

 <http://vanityfea.blogspot.com/2009/04/conversores-y-conversiones.html>

 2009

Internet resources

*Convert PDF File to Html.* Free online converter.

 <http://www.convertpdftohtml.net/>

 2012

*Convertir a PDF, Conversor gratuito de HTML a PDF*

 <http://html-pdf-converter.com/es/>

 2012

*HTML to PDF*

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

 2012-12-21

*Online Convert*

 <http://www.online-convert.com/>

 2014

*Zamzar: Online converter*

**Cybersecurity**

Video.

Snowden Edward. "It's Worse Than We Thought." Video. *YouTube (Inner Motivation)* 25 March 2021.\* (Malware, cybersecurity, smartphones, hackers, surveillance).

<https://youtu.be/0k9fE8PpIzs>

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**Data**

Harari, Yuval Noah. "11. The Data Religion." In Harari, *Homo Deus: A Brief History of Tomorrow.* London: Vintage, 2016. 428-62.\*

Huggins, James S. "How Much Data Is That?" In *James S. Huggins' Refrigerator Door*

 <http://www.jamesshuggins.com/h/tek1/how_big.htm>

 2007

Internet resources

*Datos Macro*

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

 2014

Blogs

*Datawocky: On Teasing Patterns from Data…*

 <http://anand.typepad.com/>

 2008

*Edwin Chen's Blog*

 <http://blog.echen.me/>

 2011

Internet resources

*DataCite*

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

 2011

*MCQN: It's Not about Writing Lists; it's about Crossing Things Off.*

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

 2008

*Flowing Data: Strength in Numbers*

 <http://flowingdata.com/>

 2009

Video

Harari, Yuval Noah. "Will the Future Be Human?" Lecture at the World Economic Forum, Davos, 2018. *YouTube (Yuval Noah Harari)* 25 Jan. 2018.\*

 <https://youtu.be/hL9uk4hKyg4>

 2018

Hayles, Katherine. "How We Think: The Transforming Power of Digital Humanities." Video lecture ("Katherine Hayles, ASC") at *Vimeo-National Humanities Center.* 2008.\* (Patterns, pattern recognition).

 <http://vimeo.com/2828067>

 2011

See also Data (personal).

**Digital Preservation**

Bordwell, David. "Pandora's Digital Box: Pix and Pixels." In Bordwell, *Observations on Film Art* 13 Feb. 2012.\*

 <http://www.davidbordwell.net/blog/2012/02/13/pandoras-digital-box-pix-and-pixels/>

 2014

Montfort, Nick, and Noah Wardrip-Fruin. "Acid-Free Bits: Recommendations for Long-Lasting Electronic Literature." *Electronic Literature Organization*. 2004.\*

 <http://eliterature.org/pad/afb.html>

 2013

Vilches, Lorenzo. *La migración digital.* Barcelona: Gedisa, 2001.

Websites

*Digital Preservation Europe*

 <http://www.digitalpreservationeurope.eu>

 2013

*Internet Archive.*

**Encoding**

Renear, Allen H. "Text Encoding." In *A Companion to Digital Humanities.* Ed. Susan Schreibman, Ray Siemens, and John Unsworth, eds. Malden (MA): Blackwell, 2004. 218-39.\*

**Encryption**

"Esconder archivos mp3 en imágenes para flickr." *Un mundo libre* 9 June 2008.

 <http://unmundolibre.es/2008/06/09/esconder-archivos-mp3-en-imagenes-para-flickr/>

 2008

**Fabbing**

Ackerman, Diane. "Printing a Rocking Horse on Mars." In Ackerman, *The Human Age: The World Shaped by Us.* New York: Norton, 2014. 232-40.\*

Guerrero, Teresa. "La revolución de las impresoras 3D llega hasta el espacio." *El Mundo* 26 Sept. 2014.\*

 <http://prensa.unizar.es/noticias/1409/140926_z0_MU-69.pdf>

 2014

Stromberg, Joseph. "Watch: This New Kind of 3D Printing Was Inspired by *Terminator 2."Vox* 16 March 2015.\*

 <http://www.vox.com/2014/12/16/7401705/oil-prices-falling>

 2015

Blogs

*Fabbaloo.* Blog on fabbing, 3D printing, desktop manufacturing.

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

 2008

**Files (electronic)**

García Serrano, Ana, and Ángel Castellanos Gónzález. "Representación y organización de documentos digitales: Detalles y práctica sobre la ontología DIMH." In *Humanidades Digitales españolas: Innovación, globalización e impacto.* Special issue of *Humanidades Digitales* 1 (2016): 314-44.\*

 <http://revistas.uned.es/index.php/RHD/article/view/17155>

 2021

**Future of Computers and Cybernetics**

Gelernter, David. "The End of the Web, Search, and the Computer as We Know It." *Wired* 02/01/2013.\*

 <http://www.wired.com/opinion/2013/02/the-end-of-the-web-computers-and-search-as-we-know-it/>

 2013

Video

Stiegler, Bernard. "Agora de savoirs – Automatismes et Désautomatisation." *YouTube* 23 Feb. 2015.\*

 <https://youtu.be/bv1Fx3xgE9g>

 2015

**Hackers**

"He sido hackeado: ¿Cómo recuperar mi cuenta?" *1&1 Digital Guide.\**

 <https://www.1and1.es/digitalguide/correo-electronico/seguridad-correo-electronico/he-sido-hackeado-que-puedo-hacer/>

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Himanen, Pekka. *The Hacker Ethic.* New York: Random House, 2001.

\_\_\_\_\_. *La ética del hacker y el espíritu de la era de la información.* Barcelona: Destino, 2002.

Sobchack, Vivian. "New Age Mutant Ninja Hackers: Reading *Mondo 2000.*" In *Flame Wars: The Discourse of Cyberculture*. Ed. Mark Dery. Durham (NC): Duke UP, 1994.

Dictionaries

Raymond, E. *The New Hacker's Dictionary.* Cambridge (MA): MIT Press, 1991.

Films

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Literature

Gibson, William. *Neuromancer.* Novel. New York: Ace Books, 1984. Philip K. Dick Award, Hugo Award, Nebula Award.

\_\_\_\_\_. *Neuromancer.* London: Gollancz, 1984.

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Video

Georgatos, Debbie. "Maria Zack on Italy Did It 2020 Election Everyone Needs to Listen to This." *Vimeo* 7 Jan. 2020.\*

 <https://vimeo.com/498234392>

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Petit, Maibort. "SERIE: ESTADOS UNIDOS BAJO ATAQUE ASIMÉTRICO (PRIMERA PARTE)." Video interview with Guillermo Cueto. *YouTube (Sin Filtros)* 2 Jan. 2021.\*

<https://youtu.be/R1K_xmXlGLQ>

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Rojo, Jesús Ángel. "EMR: Jaque de Trump a Biden: Atrapan el hackeo que cambió miles de votos republicanos en demócrata." Video. (El Mundo al Rojo). *YouTube (DISTRITOTV)* 14 Nov. 2020.\*

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 2020

Snowden Edward. "It's Worse Than We Thought." Video. *YouTube (Inner Motivation)* 25 March 2021.\* (Malware, cybersecurity, smartphones, hackers, surveillance).

<https://youtu.be/0k9fE8PpIzs>

2021

**History of Computers and Cybernetics**

Essinger, J. *Ada’s Algorithm: How Lord Byron’s Daughter Ada Lovelace Launched the Digital Age.* Brooklyn-London: Melville House, 2014.

García Landa, José Ángel. "Hacia el Ordenador Renacentista." In García Landa, *Vanity Fea* 15 Sept. 2010.\* (J. Sawday).

 <http://vanityfea.blogspot.com/2010/09/hacia-el-ordenador-renacentista.html>

 2010

Moschovitis, Christos J. P., Hilary Poole, Tami Schuyler and Theresa M. Senft. History of the Internet: A Chronology, 1843 to the Present. Santa Barbara (CA): ABC-CLIO, 1999.\*

Sawday, Jonathan. "Toward the Renaissance Computer." In *The Renaissance Computer: Knowledge Technology in the First Age of Print.* Ed. Neil Rhodes and Jonathan Sawday. London and New York: Routledge, 2000. 29-44.\*

See also Babbage, Charles; Byron, Ada; Turing, Alan.

**Interfaces**

Ma, Michelle. "Wi-fi signals enable gesture recognition throughout entire home." *University of Washington* 4 June 2013.\*

 <http://www.washington.edu/news/2013/06/04/wi-fi-signals-enable-gesture-recognition-throughout-entire-home/>

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**Keystrokes**

Latif, Muhammad M. Abdel. "A State-of-the-Art Review of the Real-Time Computer-Aided Study of the Writing Process." In *Software-aided Analysis of Language.* Ed. Mike Scott et al. Monograph issue of *IJES*  8.1 (2008): 29-50. (Writing process, keystroke logging, computer-generated protocols, computer-based writing, writing strategies, computer-based revision, real-time writing, writing research).

**Labels and Markup**

Bia Platas, Alejandro, and Ramón P. Ñeco García. "TEIdown: Uso de Markdown extendido para marcado automático de documentos TEI." In *Humanidades Digitales españolas: Innovación, globalización e impacto.* Special issue of *Humanidades Digitales* 1 (2016): 57-75.\*

 <http://revistas.uned.es/index.php/RHD/article/view/16683>

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Losada Palenzuela, José Luis. "Anotaciones manuscritas en bibliotecas de autor: Propuesta de etiquetado y de publicación digital." In *Humanidades Digitales españolas: Innovación, globalización e impacto.* Special issue of *Humanidades Digitales* 1 (2016): 116-31.\*

 <http://revistas.uned.es/index.php/RHD/article/view/16563>

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**Laser discs**

Nield, David. "This Tiny Laser Disc Can Store 360 TB of Data for 13.8 Billion Years." *Science Alert* 16 Feb. 2016.\*

 <http://www.sciencealert.com/this-new-5d-data-storage-disc-can-store-360tb-of-data-for-14-billion-years>

 2016

**Microprocessors**

Hall, D. V. *Microprocesadores y Sistemas Digitales*. McGraw-Hill, 1980.

**MP3**

Internet resources

*BeeMp3*

<http://beemp3.com/>

 2010

*MP3strip.com*

 <http://mp3strip.com/>

 2014

*YouTube MP3*

 <http://www.youtube-mp3.org/es>

 2015

**Morphing**

Internet resources

*Face of the Future.* Morphing website.

 <http://morph.cs.st-andrews.ac.uk//transformer/index.html>

 2009

**Open access**

García Landa, José Angel. "Contra las revistas académicas de pago." In García Landa, *Vanity Fea* 30 April 2012.\*

 <http://vanityfea.blogspot.com.es/2012/04/contra-las-revistas-academicas-de-pago.html>

 2012

**Open source**

Blogs

*Source Seeker.* Tech blog at *Network World.* (Julie Bort).

 <http://www.networkworld.com/community/blog/6116>

 2011

**PDFs**

Gitelman, Lisa. *Paper Knowledge: Toward a Media History of Documents.* Durham (NC): Duke UP, 2014.

Internet resources

*Clever PDF.\**

 <https://www.cleverpdf.com/es>

 2020

*Convert PDF File to Html.* Free online converter.

 <http://www.convertpdftohtml.net/>

 2012

*HTML to PDF*

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

 2012-12-21

*IlovePDF*

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

 2015

*PDFCrowd: Convert html to PDF online*

 <http://pdfcrowd.com/>

 2014

*PDF to Word Converter Online*

 <https://www.pdfconverter.com/free-pdf-conversion-online/pdf-to-word-online-free/>

 2018

**Programming**

Essinger, J. *Ada’s Algorithm: How Lord Byron’s Daughter Ada Lovelace Launched the Digital Age.* Brooklyn-London: Melville House, 2014.

Grant, John, and Catherine Grant. *ZX Specturm: Manual del programador.* Madrid: Alianza.

Hammond, Michael. *Programming for Linguists: JavaTM Technology for Language Researchers.* Oxford: Blackwell, 2002.

\_\_\_\_\_. *Programming for Linguists: Perl for Language Researchers.* Oxford: Blackwell, 2003.

\_\_\_\_\_. "The Finite-State Playground." In *Software-aided Analysis of Language.* Ed. Mike Scott et al. Monograph issue of *IJES*  8.1 (2008): 123-39.\* (Finite-state, automata, toolkits, phonology, morphology).

Karsai, G. "A Configurable Visual Programming Environment." *Computer* 28.3 (1995): 36-44.

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Rodríguez Herrera, Daniel. "Amazing Grace, la inventora de los lenguajes de programación." *Libertad Digital (Historia)* 8 Sept. 2010.\*

 <http://historia.libertaddigital.com/amazing-grace-la-inventora-de-los-lenguajes-de-programacion-1276238128.html>

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Rosenberg, Scott. *Dreaming in Code.* 2007. (Software programming).

Stephenson, Neal. "In the Beginning Was the Command Line." 1999. In Stephenson, *Cryptonomicon*

 <http://www.cryptonomicon.com/beginning.html>

 2010

Blogs

*Intertwingly: It's Just Data* (Sam Ruby, blog on programming)

 <http://www.intertwingly.net>

 2005-01-08

*MBPFernand0's Blog.* (Fernando Tricas, U of Zaragoza)

 <http://mbpfernand0.wordpress.com/>

 2010

See also Software.

**QR codes**

Internet resources

*QRCodeMonkey.\**

 <https://www.qrcode-monkey.com/>

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**Storage**

Nield, David. "This Tiny Laser Disc Can Store 360 TB of Data for 13.8 Billion Years." *Science Alert* 16 Feb. 2016.\*

 <http://www.sciencealert.com/this-new-5d-data-storage-disc-can-store-360tb-of-data-for-14-billion-years>

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**Tags**

Schüch, Lena. "Computerphilologische Analyse. "Tagging in a huge meadow of time"—Analysen der Zeit in Erzähltexten mit Hilfe des Programms CATMA). In *Zeiten Erzälen: Ansätze - Aspekte - Analysen.* Ed. Antonius Weixler and Lukas Werner. Berlin and Boston: De Gruyter, 2015. 27-52.\*

**Text processing**

BBC News. "Larry Tesler: Computer Scientist Behind Cut, Copy and Paste, Dies Aged 74." *BBC News* 20 Feb. 2020.\*

 <https://www.bbc.com/news/world-us-canada-51567695>

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