6.- Bibliografía:

- Adrian, E. D. (1946). The physical background of perception. Oxford: Claredon.
- Agamben, G. (1999). Potentialities. Standford: University Press.
- Andersen, R.A., Burdick, J.W., Musallam, S., Pesaran, B., & Cham, J.G. (2004). Cognitive neural prosthetics. *Cognitive Science*, 8, 485-493
- Anderson R.A., & Buneo, C. A. (2002). Intencional maps in posterior parietal cortex. Rev. *Neuroscience*, *25*, 189-230.
- Aspray, W. (1993). <u>Jonh Von Neumann y los orígenes de la computación moderna</u>. Barcelona: Gedisa.
- Baddeley, A. (1999). La memoria Humana. Madrid: Mac Graw Hill.
- Baecker, R. M., Heckel, P., & Perlman, G. (2006). ACM SIGGHI Currícula for Human-Computer Interaction. *ACM SIGCHI (2004)*, Capítulo 2, pág 5.
- Balbo, S., & Lindley, C. (1997). Adaptation of a task analysis methodology to the design of a decision support system. INTERACT'97. Sydney, Australia: Chapman and Hall, IFIP publishers.
- Barco, A.N., Engeby, T.W., & Ribal, J.B. (2004). Cerebelo y procesos cognitivos. *Anales de Psicología, 20,* 205-221.
- Bayliss, J. (2001). A flexible brain-computer interface, Ph.D. Thesis, Science Deptartament. Rochester University.
- Bennetto, L., Pennington, B., & Rogers, S. J. (1996). Intact and impaired memory functions in autism. *Child Development*, 67, 1816-1835.
- Blanchard, G., & Blankertz, B. (2004) BCI competition 2003 data set IIa: Spatial patterns of self-controlled brain rhythm modulations. *IEEE Transactions Biomedical Engineering*, 51, 1062-1066.
- Blankertz, B., Müller, K. R., Curio, G., Vaughan, T, M., Schalk, G., Wolpaw, J. R., et al., (2004). The BCI competition 2003: Progress and perspectives in detection and discrimination of EEG single trials. *IEEE Transaction Biomedical Engineering*, *51*, 1044-1051.
- Brodmann K. (1909). Vergleichende Lokalisationslehre der Grosshirnrinde in ihren Prinzipien dargestellt auf Grund des Zellenbaues, Barth, Leipzig: *Some Papers on the Cerebral Cortex*, translated as: On the Comparative Localization of the Cortex, 201-230, Thomas, Springfield, IL, 1960.
- Brown, R.; Hochberg, L., Cudkowicz, M., & Krivickas, L. (2006). Cyberkinetics Publications: SistemVideo. Tomado de la URL: http://www.cyberkineticsinc.com/content/index.jsp
- Brunner, C., Scherer, R., Graimann, B., Supp, G., & Pfurtscheller, G. (2006). Online control of a brain-computer interface using phase synchronization. *IEEE Transactions Biomedical Engineering*, *53*, 2501-2506.
- Burgess, P. W. (1997). <u>Theory and methodology in executive function research.</u> Methodology of frontal executive function. Hove: Psychology Press.
- Cabrera Cortés, I. (2003). El procesamiento humano de la información: en busca de una Explicación. Asociaciación Ciencia Médica Cuba. *Scielo, 11,* 001-013. Tomado de la URL: http://bvs.sld.cu/revistas.
- Cañas, J. J., Antolí, A., & Quesada, J. F. (2001). The role of working memory on measuring mental models of physical systems. *Psicológica, Intl. Journal of Methodology and Experimental psychology, 22,* 25-42.
- Cardinalli, D. (1992). <u>Relojes y calendarios biológicos</u>. <u>La sincronización del hombre</u> con el ambiente. Buenos Aires: Fondo Cultura Económica.

- Chalmers, D. (1999). <u>La mente consciente. En busca de una teoría fundamental</u>. España: Gedisa.
- Chapin, J. K, Moxon, K. A., Markowitz, R. S., & Nicolelis, M. (1999) Real-time control of a robot arm using simultaneously recorded neurons in the motor cortex. *Neuroscience*, *22*, 664-670.
- Chomsky, N. (1976). Estructuras sintáticas. Bs. As.: Siglo XX.
- Churchland, P.M. (1999). Materia y conciencia. Barcelona: Gedisa.
- Clancey, B. (2005). N.A.S.A. Más alla de la ciencia. NASA Prueba la Cooperación de Humanos y Robots en el Desierto de Utah. Tomado de la URL: http://www.nasa.gov/centers/ames/spanish/research/exploringtheuniverse /utah robots sp.html.
- Coles, P. (2001). Cosmology. Oxford University Press.
- Couderc, P. (1991). La relatividad. Bs. As.: Eudeba.
- Damasio, A. R. (1994). <u>Descartes' Error: Emotion, reason, and the human brain.</u> USA: Avon.
- Damasio, A. R., & Anderson, S. (2003). Capitulo 12. Clinical Neuropsychology. Heilman y Valenstein: Oxford University Press.
- Darwin, C. (2004). El origen de las especies. España: Amertown.
- Davydov, A.S. (1977). Solitons and energy transfer along protein molecules. *Journal of Theoric Biology*, 66, 379-387.
- Dehaene-Lambertz, G., Hertz-Pannier, L., Dubois, J., Mériaux, S., Roche, A., Sigman, M. et al., (2006). Functional organization of perisylvian activation during presentation of sentences in preverbal infants. *Proceedings National Academy of Science*, 103, 14240-14245.
- Delorme, A., & Makeig, S. (2004). EEGLAB: an open source toolbox for analysis of single-trial EEG dynamics including independent component analysis. *Journal of Neuroscience Methods*, 134, 9-21.
- Diamond, A. (1990). The development and neural bases of memory functions as indexed by the a-not-b task: Evidence for dependence on dorsolateral prefrontal cortex. In A. Diamond (Ed.), <u>The development and neural bases of higher cognitive functions</u> (pp. 267–317). New York: New York Academy of SciencePress.
- Dominguez, G. (2003). Herramienta para la vinculación del Análisis de la Tarea del Usuario con el Proceso Unificado. Tesis Posgrado en Ciencia e Ingeniería de la Computación. UNAM: México D.F.
- Donchin E., & Smith, D. B. (1990). The contingent negative variation and the late positive wave of the average evoked potential. *Electroencephalography and clinical Neurophysiology*, 29, 201-203.
- Dornhege, G., Blankertz, B., Curio, G. & Müller, K. M. (2004). Boosting bit rates in non invasive. EEG single-trial classifications by feature combination and multiclass paradigms. *IEEE Transactions Biomedical Engineering*, 51, 993-1002.
- Dornhege, G., Blankertz, B., & Müller, K.M. (2004). Increase information transfer rates In BCI by CSP extension to multiclass. In *Advances in Neural Inf. Proc.Systems (NIPS0)*.
- Dvorkin, M., & Cardinalli, D. (2003). <u>Bases fisiológicas de la práctica médica</u>. Best & Taylor, 13ra Edición. Buenos Aires: Panamericana.
- Duarte, A. (1996). La psicología académica en lo que va del siglo: a propósitos de dos cambios metateóricos decisivos.- *Acta Psiquiátrica. America Latina, 42,* 201-211.

- Duncan, J, (2000). A Neural Basis for General Intelligence. *Science*, 289, 5478-5457
- Ebrahimi, T., Vesin, J. M., & Gary Garcia, N. (2003). Brain-Computer Interface a new frontier in multimedia communication. Swiss Federal Institute of Technology –EPFL CH-1015. Lausanne, Switzerland. *Signal Procesing Magacine*. January Tomado de la URL: http://bci.epfl.ch/publications/signalprocmag 01166626.pdf.
- Eccles, J.C. (1986). La psique humana. Madrid: Tecnos.
- Einstein, A. (1993). La teoría de la Relatividad. Barcelona: Altaya.
- Einstein, A., & Infield, L. (2002). <u>La física, aventura del pensamiento</u>. Buenos Aires: Losada.
- Fernández Alvarez, H. (2007). <u>Actualizaciones en Terapia Cognitiva</u>. Curso Intensivo de Verano 2007. Buenos Aires: Fundación Aiglé.
- Ferreres, A. (2005). Cerebro y Memoria. Buenos Aires: Tekné.
- Fodor, J. (1985). El lenguaje del pensamiento. Madrid: Alianza.
- Fodor, J. (1986). La modularidad de la mente. Madrid: Morata.
- Fodor, J. (2003). La mente no funciona así. Madrid: Siglo XXI.
- Forte, J.C., & Freifes, F. (2006). Inmersos en la trama oscura de cúmulos globulares en la Galaxia NGC 3379. Boletín informativo del Observatorio Astronomía de la Universidad de la Plata, Nro 161. Tomado de la URL: https://www.fcaglp.unlp.edu.ar/pipermail/listadenoticias/2006-March/000182.html.
- Frank, H. (1969). Cibernética y Filosofía. Buenos Aires: Troquel.
- Frank, H. (1995). Bildung und Berechnung. Alemania: Bamberg.
- Freides, D. (2002). <u>Transtornos del desarrollo: un enfoque neuropsicológico</u>. España. Ariel Neurociencia.
- Frölich, H. (1968). Long-range coherence and energy storage in biological systems. *Journal Quantum Chemistry*, 2, 641-649.
- Froufe, M. (1997). El inconciente cognitivo. España: Biblioteca Nueva
- Fuster, J. M. (1997). <u>The Prefrontal Cortex: anatomy, physiology and neuropsychology of the frontal lobe</u>. New York: Lippincott-Raven.
- Fuster, J. .M., & Alexander, G.E. (1971). Neuron activity related to short-term memory. *Science*, 173, 652–654.
- Gangui, A. (2005). El Big Bang. La génesis de nuestra cosmología actual. Buenos Aires: EUDEBA.
- García, M.A. M. (2003). Notas sobre la complejidad en la Psicología. *Anales de Psicología*, 2, 315-326.
- Gardner, H. (1994). <u>Estructura de la mente: La teoría de las inteligencias múltiples.</u> México: Fondo Cultura Económica.
- Gary Garcia, N., Ebrahimi, T., & Vesin, J. M. (2004). Direct Brain-Computer Comunication through scalp recorded signals", Ph.D. Thesis, Swiss Federal Institute of Technology EPFL.
- Gazzaniga, M. S. (1998). El pasado de la mente. Chile: Andrés Bello.
- Georgopoulos, A. P. (1993). Cortical representation of intended movements. *Neuroscience*: Form neuronal networks to artificial intelligence. Rudomin P, Arbib MA, Cervantes- Pérez F, & Romo(Eds) *Berlin-Heidelberg: Springer-Verlag*, 398-412.
- Gibbs, F. A., & Gibas, E. L. (1952). <u>Atlas of electroencephalography</u>. Cambridge: Addison-Wesley.

- Gil, A., Rein, N., & Iriarte, J. (2001). <u>Manual de electroencefalografía</u>. Madrid: McGraw-Hill.
- Godoy, J., & Santin J. (2002). Electroencefalograma normal durante vigilia. En Gil, A, Parra, J.; Iriarte, I., Kanner, A: <u>Manual de Electroencefalgrafía.</u> Madrid. Magra McGrawHill.
- Goldberg, I., Harel, M., & Malaca, R. (2006). When the brain loses its self: Prefrontal inactivation during sensorimotor processing. *Neuron*, *2*, 329-339.
- Goldman-Rakic, P. S. (1987). Circuitry of primate prefrontal cortex and regulation of behavior by representational memory. *Handbook of Physiology The Nervous System*, *5*, 373–417.
- Golleman, D. (1995). La inteligencia emocional. Chile: Vergara.
- Gray, J., Braver, T. S., & Raichle, M. (2006). Integration of emotion and cognition in the lateral prefrontal cortex. *Proceedings National Academy of Science*, 99, 4115-4120.
- Guerra, N. (2006). Diseño e Implementación de una Interfaz de Comunicación en Internet, Orientada a Personas con Discapacidad Visual. Universidad Colima, México. Tomado de la URL:
- http://www.mor.itesm.mx/~omayora/TallerHCI-04/CameraReady/NGuerra.pdf
- Guyton, A. (1972). <u>Anatomía y fisiología del sistema nervioso.</u> México:Interamericana. Hahn, T., Sakmann, B., & Mehta, R. M. (2006). Phase-locking of
- hippocampal inter
 - neurons' membrane potential to neocortical up-down states. *Nature Neuroscien-ce* November.
- Hawkins, J., & Dileep, G. (2006). <u>Hierarchical Temporal Memory. Concepts</u>, Theory,
 - and Terminology. California: Numenta Inc. Press
- Haynes, J. D., Sakai, K., Rees, G., Gilbert, S., Frith, C., & Passingham, R.E. (2007). Reading Hidden Intentions in the Human Brain. *Current Biology*, 17, 323-328
- Hertz, G. (2006). Cockroach Controlled Mobile Robot. Tomado de la URL: http://www.conceptlab.com/roachbot/
- Hib, J. (1986). Embriología Médica. Buenos Aires: El Ateneo.
- Hilgard, R., & Bower, H. (1975). Condicionamiento y aprendizaje. México: Trillas.
- Hobson, J. A., Pace-Schott, E. F., & Stickgold, R. (2000). *Behaviour Brain Science*, 23, 793-795.
- Hughes, C.; Russell, J., & Robbins, W. (1994). Evidence for executive dysfunction in autism. *Neuropsychology*, *32*, 477-492.
- Humayun, M. S. (2006). Artificial Retina Project. Tomado de la URL: http://www.doheny.org/research/pdfs/arnvol1no1.pdf
- Insúa, J. A. (1981). Psicología Médica. Buenos Aires: López Libreros Editores.
- Jacques, V. (2007). Experimental Realization of Wheeler's delayed-choice gedanken Experiment. *Science*, 315, 966-968
- Johnson-Laird P. N. (1988). <u>The computer and the mind: an introduction to cognitive</u> Science. Galsgow: William Collins Sonsnad Co.
- Kane, J. W., & Sternheim, M. M. (1986). Física. España: Reverté.
- Kennedy, P. (2006). NeuroSignal Institute. Neural Signals brain-to-computer (BCI) technology featured in *Science review*, Jan. 24, 2003
 - Tomado de la URL: http://www.neuralsignals.com/index.htm
- Kilner, J. M., Vargas, C., Duval, S., Blakemore, S.J., & Sirigu, A. (2004). Motor acti-

- vation prior to observation of a predicted movement. *Nature Neuroscience*, 7, 1299 1301.
- Laitinen, L. (2005). Neuromagnetic sensorimotor signals in brain computer Interfaces. Tesis publicada en Helsinki University of the Techonology. Finlandia.
- LeDoux, J. (1999). El cerebro emocional. Barcelona: Ariel Neurociencia.
- Lehninger, A. (1986). Principios de Bioquímica. Barcelona: Omega.
- Lewis, C., & Reiman, J. (1993). Task-Centered user interface design: A Practical Introduction. University of Colorado.
- Libet, B. (1979). Neural processes in the production of conscious experience. *Brain*, 172, 96-110.
- Llisteri, J. (2004). Tecnologías del habla para el español. *Ciencia y tecnología y lengua española*. Madrid: Fundación española para la ciencia y la tecnología.
- Llinás, R. (2002). Panorama de las neurociencias. México. *Revista. Avance y Perspectiva, 21,* 167-176.
- Lhermitte, F. (1983). Utilisation behaviour and its relation to lesions of the frontal lobe. *Brain*, *106*, 237-255
- Long, L. (1999). <u>Introducción a las computadoras y a los sistemas de información.</u> U.S.A.: Pretince.
- Luria, A. R. (1980). Higher cortical functions in man. New York. Basic Books.
- Marvall, M., Petersen, R.S., Fairhall, A.L., Arabzadeh, E., & Diamond, M.E. (2007). Shifts in Coding Properties and Maintenance of Information Transmission during Adaptation in Barrel Cortex. *PLoS Biol*, 5.
- Marcer, D. (2003). The International HapMap Project. Nature, 426, 789-796.
- McCandless, J. W., Hilty, B. R., & McCann, R. S. (2005). New displays for the space shuttle cockpit. *Ergonomics In Design*, *13*, 15-20.
- McCann, R. S., McCandless, J., & Hilty, B. (2005). *Automating Onboard Operations in Next-Generation Spacecraft: Human Factors Issues*. In the Online Proceedings of the AIAA Space 2005 Meeting, Aug. 30-Sep. 2, Long Beach, CA.
- McEvoy, R. E., Rogers, S. J., & Pennington, B. F. (1993). Executive function and social communication deficits in young autistic children. *Journal of child psychology and psychiatry*, 34, 563-578.
- Mcluhan, M. (1964). <u>Understanding media: the extensions of man.</u> New York: McGraw-Hill.
- Milder, B. (1981). The lacrimal apparatus. Adler's Physiology of the Eye. Clinical Application. Londres: Mosby.
- Minervino, R. (1998). Tesis doctoral: (Publicada). <u>Transferencia en solución de problemas por analogía: modelos computacionales versus procesos humanos</u>. Universidad de Salamanca. Departamento de Psicología Básica, Psicobiología y Metodología. España: Salamanca.
- Miyake, A., & Shah, P. (1999). <u>Models of Working Memory: Mechanisms of Active Maintenance and Executive Control</u>. New York: Cambridge Univ. Press.
- Morales, D. A. (2004). Determinismo, indeterminismo y la flecha del tiempo en la ciencia contemporánea. *Boletín Asociación Matemática Venezolana* (XI), 2, 213-233.
- Müller, G. R., Neuper, C., & Pfurtscheller, G. (2003). Implementation of a telemonitoring system for the control of a EEG-based brain-computer interface. *IEEE Transactions. Neural Systems Rehailitation Engineering*, 11, 54-56.
- Müller, K. M., Krauledat, A., Dornhege, G., Curio, G., & Blankertz, B. (2004.). Machine learning techniques for brain-computer interfaces. *Biomedical Technology*, 49, 11-22.

- Norman, D..A., & Shallice, T.(1986). Attention to action: willed and automatic control of behavior. In R.J. Davidson, Schwarts, G.E., & Shapiro, D. (Eds.), *Conciousness and self-regulation*. *Advances in resarch and theory, 4,* 1-18. New York: Plenum Press. Tomado de Baddeley, A.(1999).
- Norman, D. A., (1998). <u>The Invisible computer.</u> Cambridge, Massachusetts, London, England: The MIT Press. 302.
- Nicolelis, M. (2000). Cortical ensemble activity increasingly predicts behaviour outcomes during learning of a motor task. *Nature*, 405, 567-571.
- Nicolelis, M. (2000). Real-time prediction of hand trajectory by ensembles of cortical neurons in primates.- *Nature*, 408, 361-365.
- Nicolelis, M. (2001). Human-Machine Interaction: Potential impact of nanotechnology in the design of neuroprosthetic devices aimed at restoring or augmenting human performance. In: Roco, M. C. y Bainbridge, W. S. (eds). *Societal Implications of Nanoscience and Nanotechnology*. (Final Report from the Workshop held at the National Science Foundation, sept. 28-29, 2000).
- Nicolelis, M. (2001). Dynamic and multimodal responses of gustatory Cortical Neurons in awake Rats. *The Journal of Neuroscience*, *21*, 4478–4489.
- Nicolelis, M. (2001). Action from thoughts. Nature, 409, 403-407.
- Nicolelis, M. (2002). The amazinf aventures of robotrat. Cognitive Science, 5, 449-450
- Nicolelis, M. (2003). Interval timing and the encoding of signal duration by ensembles of cortical and striatal neurons, *Behavioral Neuroscience* Copyright by the *American Psychological Association, Inc., 117*, 760–773.
- Nicolelis, M. (2003). Brain-machine interfaces to restore motor function and probe neural circuits. *Nature Reviews Neuroscience*, *4*, 417-422.
- Nicolelis, M. (2004). Differential corticostriatal plasticity during fast and slow motor skill learning in mice. *Current Biology*, 14,1124–1134.
- Nicolelis, M. (2005a) Cortical ensemble adaptation to represent velocity of an artificial actuator controlled by a Brain–Machine Interface. *The Journal of Neuroscience*, 25, 4681–4693.
- Nicolelis, M. (2005b). Frontal and parietal cortical ensembles predict single-trial muscle activity during reaching movements in primates. *European Journal of Neuroscience*, 22, 1529–1540.
- Nicolelis, M. (2005c). Computing with thalamocortical ensembles during different behavioural states. *Journal Physiology*, 566.1, 37–47.
- Nicolelis, M. (2005d). Learning to control a Brain–Machine Interface for reaching and Grasping by Primates. *PLoS Biology*, *1*, 001-016.
- Nicolelis, M. (2006). Orbitofrontal Ensemble Activity Monitors Licking and Distinguishes Among Natural Rewards. *Journal of Neurophysiologyl*, 95,119–133
- Nombela, C.; Arsuaga, J.L.; Arana, J., & Bedate, C.A. (2005). Dimensión filosófica de la Biología. Universidad Autónoma de Madrid. Tomado de la URL: www.upcomillas.es/webcorporativo/Centros/catedras/ctr/Documentos/DIMFILB IO21enero.pdf.
- Opperman, R. (1994). <u>Adaptive user support. Ergonomic design of manually and automatically adaptable software.</u> New Jersey: Lawreance Erlbaum Associates.
- O'Reilly, R. C. (2006). Modeling integration and dissociation in brain and cognitive

- development. Munakata, Y, & Johnson, M.H. (Eds). <u>Processes of Change in Brain and Cognitive Development: Attention and Performance XXI.</u>, Oxford: Oxford University Press.
- O'Reilly, R. C., Braver, T. S., & Cohen, J. D. (1999). <u>Models of working memory:</u> mechanisms of active maintenance and executive control. A.Miyake, P. Shah, Eds. New York: Cambridge University Press.
- Ozonoff, S., Rogers, S. J., & Pennington, B. F. (1991). Asperger's syndrome: evidence of an empirical distinction from high-functioning autism. *Journal of Child Psychology and Psychiatry*, 32, 1107-1122.
- Ozonoff, S., Pennington, B. F., & Rogers, S. J. (1991). Executive function deficits in high-functioning autistic individuals: relationship to theory of mind. *Journal of Child Psychology and Psychiatry*, 32, 1081-1105.
- Ozonoff, S., Strayer, D. L., McMahon, W. M., & Filloux, F. (1994). Executive function abilities in autism and Tourette Syndrome: an information processing approach. *Journal of child Psychology and Psychiatry*, *35*, 1015-1032.
- Ozonoff, S., & Strayer, D. L. (1997). Inhibitory function in nonretarded children with autism. *Journal of autism and developmental disorders*, 27, 59-77.
- Pavlov, I. P. (1968). Fisiología y psicología. Madrid: Alianza Editorial.
- Pendfield, W. (1958). Some mechanism of consciousnee discovered during electrical Stimulation of the brain. *Proceedings of the Nactional Academy of Sciences*, 44, 2-10
- Perner, J. (1991). <u>Understanding the representational mind.</u> Cambridge: MIT Press-Bradford Books.
- Pinker, S. (2003). La tabla rasa. Barcelona: Paidós.
- Popper, K. (1997). El cuerpo y la mente. España: Paidós.
- Posner, M. I., & Petersen, S. E. (1990). The attention system of the human brain. *Annual Review of Neuroscience*, 13, 25-42.
- Poveda, A.(1991). <u>Materia oscura en el universo</u>. Consejo Nacional de Ciencia y Tecnología. México: Colección ciencias básicas. Equipo Sirius.
- Prigogine, I. (1991). El nacimiento del Tiempo. Argentina: Tusquest.
- Prior, M., & Hofman, W. (1990). Neuropsychological testing of autistic children through an exploration with frontal lobe test. *Journal of autism and developmental disorders*, 20, 581-590.
- Pylyshyn, .Z. W. (1978). When is attribution of beliefs is justified?. *Behavioral and Brain Sciences*, 1, 592-593.
- Pylyshyn.Z. W. (1984). Computing and cognition. Towards a Foundation for Cognitive Science. Cambridge: MIT Press-Bradford Books.
- Reyes, P.E. (2002). El cerebro y la temporalidad humana. Buenos Aires: Dunken.
- Rodrigo, M. A. (1998). Desarrollo del niño de 1 a 5 años. *Programa Nacional Actualización Pediátrica*. PRONAP. Sociedad Argentina de Pediatría.
- Robbins, S. (2000). Comportamiento organizacional. México. Pearson Educación.
- Roco, M. C., & Sims Bainbridge, S.W. (2002). <u>Report Converging Technologies for Improving Human Performance</u>. Nanotechnology, biotechnology, Information technology and Cognitive Science. June 2002. Arlington, Virginia: USA. *National Science Foundation*.
- Rumsey, J. M. (1985). Conceptual problem-solving in highly verbal, nonretarded autistic men. *Journal of autism and developmental disorders*, 15, 23-36.
- Rumsey, J. M., & Hamburger, S. D. (1990). Neuropsychological divergence of high-

- Level autism and severe dyslexia. Journal of autism and developmental disorders, *Journal of autism and developmental disorders*, 20, 155-166.
- Russell, J., Jarrold, C., & Henry, L. (1996). Working memory in children with autism and with moderate learning difficulties. *Journal of child psychology and psychiatry*, *37*, 673-686.
- Russell, J.; y Jarrold, C. (1998). Error-correction problems in autism: evidence for a monitoring impairment?. *Journal of autism and developmental disorders*, 28, 177-188.
- Salvendy, G., & Smith, M. (1999). <u>Designing and Using Human-Computer Interfaces and Knowledge Based Systems</u>. 1rst ed. Advances in Human Factors / Ergonomics, ed. G. Salvendy. 1989, Elsevier: Amsterdam-oxford. New york.
- Sankai, P. (2007). Robot Suit HAL (Hybrid Assistive Limb). Tomado de la URL: http://sanlab.kz.tsukuba.ac.jp/HAL/indexE.html
- Schacter, D. L. (2003). Los siete pecados de la memoria. Barcelona: Ariel.
- Schoenemann, P.T., Sheehan, M. J., & Glotzer, L. D. (2005). *Nature Neuroscience*, 8, 242-252.
- Searle, J. (1994). Mentes, cerebros y ciencia. Madrid: Cátedra.
- Sebreli, J.J. (2006). El olvido de la razón. Buenos Aires: Sudamericana.
- Selemon, L. D. (1995). Prefrontal Cortex. American Journal of Psychiatry, 152, 44-49.
- Snyder, A. (2007). Emotiv system. Tomado de la URL: http://emotiv.com
- Sepper, D. L. (1988). <u>Goethe contra Newton. Polémica y proyecto de una nueva ciencia</u> del color. Cambridge: University Press.
- Schmidt, E. (1964). Aufstieg der Kybernetik. VDI-Zeitschrift.
- Simons, P. R. (1996). <u>Enciclopedia of Developmental and Instructional Psychology</u>. Oxford: Elsevier Science.
- Sommer, M. A., & Wurtz, R. H. (2002). A Pathway in Primate Brain for Internal Monitoring of Movements. Science, *5572*, 1480 1482.
- Sommer, M. A., & Wurtz, R. H. (2006). Influence of the thalamus on spatial visual processing in frontal cortex. *Nature*, 444, 374-377.
- Sperry, R. W. (1950). Neural basis of the spontaneous optokinetic response produced by visual inversion. *Journal Comparative. Physiologyl and. Psycology, 43,* 482-489.
- Squyres, S. W. (2004). The Spirit rover's Athena science investigation at Gusev Crater, Mars, *Science*, *5685*, 794-799.
- Su Xuecheng (2007). Centro de Investigación Tecnológica de Ingeniería Robot de la Universidad de Ciencia y Tecnología de Shandong. Tomado de la URL: http://www.spanish.xinhuanet.com/spanish/cien.htm
- Sutter, E. E. (1992). The brain response interface: communication through visually induced electrical brain responses. *Journal of Microcomputer Applications*, 15, 31-45.
- Schwartzman, J.A. (2007). <u>La historia del implante coclear</u>. Hospital Británico. Tomado de la URL: http://www.implantecoclear.org/pdf/historia.pdf
- Takeuchi, S., & Shimoyama, I. (2004). A radio-telemetry system with a shape memory alloy microelectrode for neural recording of freely moving insects. IEEE. *Bio-medical Engineering*, *1*, 133-137
- Talwar, S. K. (2002). Rat navigation guided by remote control. *Nature*, 417, 37–38.

- Tate, R., Fenelon, B., Manning, M.L., Hunter, M. (1991). Patterns of neuropsychological impairment after severe blunt head injury. *Journal of Nervous Mental Disease*, 179, 117-126.
- Tulvin, E. (1995). Organization of memory. ¿Quo Vadis? In Gazzaniga (ed.) The cognitive Neurosciences. Cambridge MA. MIT Press. Tomado de Ferreres (2005).
- Tulvin, E. (2000). Memory. In Gazzaniga (ed.) The new Cognitive Neurosciences. Cambridge MA. MIT Press. Tomado de Ferreres (2005).
- Vallejo Ruiloba, J. (1998). <u>Introduccion a la Psicopatología y la Psiquiatría.</u> 4ta Ed. Barcelona: Masson.
- Van Wijk, R. (1998). Cellular photon emission and cytoskeletal activity. <u>Conference in towards science of conscience</u>. Tucson Arizona: MIT Press
- Vidal, JJ.(1973) Towards direct brain-computer communication. *Annual Review of Biophysic and Bioengeneering*, 2, 157-80.
- Vidal, JJ.(1977). Real-time detection of brain events in EEG. *IEEE Procedures[special issue on Biological Signal Processing and Analysis]*, 65, 633-64.
- Von Bertalanffy, L. (1976). Teoría general de los sistemas. México: F.C.E.
- Ward, D., & MacKay, D. (2002). Fast Hands-free writing by gaze direction. *Nature* April Published August 22.
- Weiser, M. (1995). The Technologist's Responsibilities and Social Change. *Computer-Mediated Communication Magazine*, 2, 4-8.
- Wiener, N. (1948). Cybernetics or control and communication in the animal and the machine. *Actualités scientifiques et industrielles*. París: Hermann et Cie.
- Wilkes, M. (1986). The genesis of microprogramming. *Annual. History of. Computer*, 2, 115-126.
- Wilson, M. A., & Ji, D. (2006). Memory experts show sleeping rats may have visual dreams. Memories of our life stories may be reinforced while we sleep, MIT researchers report Dec. 17 in the advance online edition of *Nature Neuroscience*. Tomado de la URL: http://www.physorg.com/news85673789.html.
- Wood, C. C. (2006). <u>Brain science as a mutual opportunity for the physical and mathematical sciences, computer science, and engineering.</u> Summary. August 2006. Arlington, Virginia: USA. *National Science Foundation*.
- Wolpaw, J. R., Birbaumer, N., Heetderks, W. J., McFarland, D. J., Peckham, P. H., Schalk, G., et al. (2000). Brain-Computer interface technology: a review of the first international meeting. *IEEE Transactions Rehabilitation Engineering*, 8, 164 173.
- Wolpaw J. R., Birbaumer N., McFarland D. J., Pfurtscheller G., & Vaughan, T. M. (2002). Brain-Computer Interfaces for Communication and Control. *Clinical Neurophysiology*, 113, 767-791.
- Yu, W.D., & Chang, J.J. (1995). Studies on the development of embrionic chicken brain Cells by means of photon emission. *Chinese Science Bulletin, 40,* 1317-1321.
- Zhang, J.Z., Yu, W.D., Sun, T., & Popp, F.A. (1997). Spontaneous and light-induced photon emission from intact brains of chick embryos. *Science in China (serie C)*, 40, 44 51
- Zieher, L. M. (2003). <u>Psiconeurofarmacología clínica y sus bases neurocientíficas.</u> 3ra edición. Buenos Aires: Ursino.