



Curitiba, 30 de outubro de 2013.  
Anexo do Ofício 125/2013-DINF

## **Bibliografia**

### **1) Projeto e Análise de Algoritmos e Complexidade Computacional**

Cormen, T.H., Leiserson, C.E. e Rivest, R.L., Introduction to Algorithms, McGraw-Hill and MIT Press, Cambridge, 1990.

Donald E. Knuth, The Art of Computer Programming, Vols 1,3, Addison-Wesley.

Hopcroft, J.E., Ullman, J.D., Introduction to Automata Theory, Languages and Computation, Addison-Wesley, 1979.

Michael Sipser, Introduction to the Theory of Computation, PWS Publishing Company.

Computational Complexity, Christos H. Papadimitriou, Addison-Wesley

Sedgewick, Robert and Flajolet, Philippe  
An Introduction to the Analysis of Algorithms  
Addison-Wesley, 2013

### **2) Engenharia de Software**

R.B. Pressman. Software Engineering: A Practitioner's Approach. McGraw-Hill, New-York, EUA, third edition, 1992.

I. Sommerville. Software Engineering. Addison-Wesley, 1996.

I Sommerville. Engenharia de Software, Pearson Education do Brasil, 6a. ed., 2003. Link na biblioteca UFPR: [http://200.17.203.155/index.php?codigo\\_sophia=104042](http://200.17.203.155/index.php?codigo_sophia=104042)

R S Pressman. Engenharia de Software, McGraw-Hill, 7a. ed., 2011. Link na biblioteca UFPR: [http://200.17.203.155/index.php?codigo\\_sophia=301357](http://200.17.203.155/index.php?codigo_sophia=301357)

Raul Sidnei Wazlawick. Engenharia de Software: Conceitos e Práticas, Ed. Elsevier, 1a. Ed, Rio de Janeiro, 2013.

### **3) Sistemas Operacionais e Arquitetura de Computadores**

J.L. Hennessy and D.A. Patterson, Computer Architecture: A Quantitative Approach, Morgan Kaufmann, 2007, 4th ed.



D.A. Patterson and J.L. Hennessy, Computer Organization & Design: The Hardware/Software Interface, Morgan Kaufmann, 2005, 3rd ed.

Operating System Concepts, Ninth Edition, Avi Silberschatz, Peter B. Galvin, Greg Gagne John Wiley & Sons, Inc.

Andrew Tanenbaum, Distributed Operating Systems, Prentice Hall.

Parallel Computer Architecture, David Culler, J.P. Singh, Anoop Gupta,  
Publ: Morgan Kaufmann, Print Book ISBN : 9781558603431, eBook ISBN : 9780080573076,  
Pages: 1056

Randy H Katz and Gaetano Borriello. Contemporary Logic Design, Prentice Hall, 2004,  
ISBN 9780201308570.

D A Patterson e J L Hennessy, Computer Organization & Design: The Hardware/Software Interface, 4a. Ed, Morgan Kauffman Publ., 2009, ISBN 978-0-12-374493-7

J L Hennessy e D A Patterson, Computer Architecture: A Quantitative Approach, 5a Ed,  
Morgan Kaufmann, 2011, ISBN 012383872X.

Wayne Wolf, Computers as Components: Principles of Embedded Computing System Desig,  
3a. Ed., Morgan Kauffman Publ., 2005, ISBN 978-0123884367

Operating System Concepts, Ninth Edition, Avi Silberschatz, Peter B. Galvin, Greg Gagne  
John Wiley & Sons, ISBN 978-1-118-06333-0

Modern Operating Systems, 3rd Ed., Andrew S. Tanenbaum,  
Prentice Hall, ISBN: 9780136006633

UNIX internals: the new frontiers, Uresh Vahalia,  
Prentice Hall, ISBN:0-13-101908-2

The design of the UNIX operating system,  
Maurice J. Bach, Prentice-Hall, ISBN:0-13-201799-7

Understanding The Linux Kernel  
Daniel Bovet, Marco Cesati, Oreilly, ISBN:0596005652

#### **4) Sistemas de Informação em Saúde**

Edward Hammond Shortliffe e James J. Cimino, Biomedical Informatics Computer Applications in Health Care and Biomedicine. 3ª edição, Springer-Verlag, Nova York, 2006.

Andreas Holzinger. Biomedical Informatics, Books On Demand, 2012.



Charles P. Friedman and Jeremy Wyatt. Evaluation Methods in Biomedical Informatics Springer Verlag, 2010.

GALVAO, M.C.B., RICARTE, I.L.M. Prontuário do Paciente. Rio de Janeiro: Guanabara Koogan, 2012.

William R. Hersh Information Retrieval: A Health and Biomedical Perspective. Springer Verlag, 2010.

Enrico Coiera, Guide to Health Informatics Oxford University Press, 2003.

Kalra D. Electronic Health Record Standards. IMIA Yearbook of Medical Informatics 2006. Methods Inf Med 2006; 45 Suppl 1: S136-44.

Shaver D. "The HL7 Evolution - Comparing HL7 Versions 2 and 3". Corepoint Health.

Disponível em:

<http://www.corepointhealth.com/sites/default/files/whitepapers/hl7-v2-v3-evolution.pdf>

Schadow G, Mead CN, Walker DM. The HL7 Reference Information Model Under Scrutiny. Stud Health Technol Inform. 2006;124:151-6. Disponível em:

<http://amisha.pragmaticdata.com/~schadow/Schadow-MIE06-r3.pdf>

Beale T, Heard S. openEHR Architecture Overview. London: openEHR Foundation, 2008.

Disponível em: <http://www.openehr.org/releases/1.0.2/architecture/overview.pdf>

Siegel EL, Channin, DS. Integrating the Healthcare Enterprise: A Primer. Part 1. Introduction.

RadioGraphics, 21, 1339-1341. Disponível em:

<http://radiographics.highwire.org/content/21/5/1339.short>

Cook T. Multi-Level Health Information Modelling (MLHIM) Reference Manual Release 2.4.2.

Disponível em:

<https://launchpad.net/mlhim-specs/2.0/2.4.2/+download/mlhim-specs-2013-04-30-2.4.2.zip>

Cavalini LT, Cook T. Sistemas de Informação em Saúde: a Importância do Software Livre e da Modelagem Multinível. Jornal Brasileiro de Telessaúde 1(1). Disponível em:

[http://www.jbtelessaude.com.br/jornal/volume/download\\_artigo/446](http://www.jbtelessaude.com.br/jornal/volume/download_artigo/446)

ISO/TS 17117:2002. Health informatics -- Controlled health terminology -- Structure and high-level indicators. Disponível em:

[http://www.iso.org/iso/home/store/catalogue\\_tc/catalogue\\_detail.htm?csnumber=32883](http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=32883)

International Health Terminology Standards Development. SNOMED CT® User Guide July 2013

International Release. Disponível em:

[http://ihtsdo.org/fileadmin/user\\_upload/doc/download/doc\\_UserGuide\\_Current-en-US\\_INT\\_20130731.pdf](http://ihtsdo.org/fileadmin/user_upload/doc/download/doc_UserGuide_Current-en-US_INT_20130731.pdf)



Romá-Ferri MT, Palomar M. Análisis de terminologías de salud para su utilización como ontologías computacionales en los sistemas de información clínicos. *Gac Sanit* 2008; 22(5): 421-433. Disponível em: [http://scielo.isciii.es/scielo.php?script=sci\\_arttext&pid=S0213-91112008000500006&lng=es](http://scielo.isciii.es/scielo.php?script=sci_arttext&pid=S0213-91112008000500006&lng=es).

Rodrigues JM; Schulz S; Rector A; Spackman K; Ustün B; Chute CG; Della Mea V; Millar J; Persson KB. Sharing Ontology between ICD 11 and SNOMED CT will enable Seamless Re-use and Semantic Interoperability. *Stud Health Technol Inform*; 192: 343-6, 2013.

## 5) Bioinformática

Bioinformatics: The Machine Learning Approach, Second Edition. Pierre Baldi, Søren Brunak. The MIT Press, 2001.

Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins, 3rd edition. Andreas D. Baxevanis, B. F. Francis Ouellette. Wiley-Interscience, 2004.

An Introduction to Bioinformatics Algorithms. Neil C. Jones, Pavel A. Pevzner. The MIT Press, 2004.

Bioinformatics: Sequence and Genome Analysis, Second Edition. David W. Mount. Cold Spring Harbor Laboratory Press, 2004.

Introduction to Computational Genomics: A Case Studies Approach. Nello Cristianini, Matthew W. Hahn. Cambridge University Press, 2007.

Developing Bioinformatics Computer Skills. Cynthia Gibas, Per Jambeck. O'Reilly Media, 2001.

LACROIX, Zoé Bioinformatics: Managing Scientific Data (The Morgan Kaufmann Series in Multimedia Information and Systems) Morgan Kaufmann 2003

KRAWETZ, S. A. Introduction to Bioinformatics: A Theoretical and Practical Approach Humana Press 2002

## 6) Banco de Dados

Raghu Ramakrishnan, Johannes Gehrke,  
Sistemas de Gerenciamento de Banco de Dados, Ed. McGraw-Hill

Abraham Silberschatz, Henry F. Korth, S. Sudarshan  
Sistema de Banco de Dados, Sexta Edicao, Editora Campus, 2012

Ramez Elmasri, Shamkant B. Navathe  
Sistemas de Banco de Dados, Editora Pearson Education Br, Sexta Edicao, 2011

SILBERSCHATZ, A. Sistema de Banco de Dados. Makron Books 2006