

## Referências Bibliográficas

- [AVRLibc] **AVR Libc**. <http://www.nongnu.org/avr-libc/>. 4.3.1, 5.2
- [Abrach/03] ABRACH, H.; BHATTI, S.; CARLSON, J.; DAI, H.; ROSE, J.; SHETH, A.; SHUCKER, B.; DENG, J. ; HAN, R.. **MANTIS: System support for multimodal networks of in-situ sensors**. In: PROCEEDINGS OF THE 2ND ACM INTERNATIONAL CONFERENCE ON WIRELESS SENSOR NETWORKS AND APPLICATIONS, p. 50–59, New York, NY, USA, 2003. ACM Press. 4.6
- [Adya/02] ADYA, A.; HOWELL, J.; THEIMER, M.; BOLOSKY, W. J. ; DOUCEUR, J. R.. **Cooperative task management without manual stack management**. In: PROCEEDINGS OF THE GENERAL TRACK USENIX ANNUAL TECHNICAL CONFERENCE, p. 289–302, Berkeley, CA, USA, 2002. USENIX Association. 2.1.2, 2.2.1, 3.1.2, 3.1.2
- [Akyildiz/02] AKYILDIZ, I. F.; SU, W.; SANKARASUBRAMANIAM, Y. ; CAYIRCI, E.. **Wireless sensor networks: a survey**. *Computer Networks*, 38(4):393–422, 2002. 1, 4.1
- [Andrews/83] ANDREWS, G. R.; SCHNEIDER, F. B.. **Concepts and notations for concurrent programming**. *ACM Computing Surveys*, 15(1):3–43, 1983. 2.1.1, 2.2.1
- [Arulanthu/00] ARULANTHU, A. B.; O'RYAN, C.; SCHMIDT, D. C.; KIRCHER, M. ; PARSONS, J.. **The design and performance of a scable ORB architecture for CORBA asynchronous messaging**. In: IFIP/ACM INTERNATIONAL CONFERENCE ON DISTRIBUTED SYSTEMS PLATFORMS, p. 208–230, Secaucus, NJ, USA, 2000. Springer-Verlag New York, Inc. 3.3
- [Atmega128] **ATmega128(L) summary**. <http://www.atmel.com/>. 4.3.1
- [Bates/98] BATES, J.; BACON, J.; MOODY, K. ; SPITERI, M.. **Using events for the scalable federation of heterogeneous components**. In: PROCEEDINGS OF THE 8TH ACM SIGOPS EUROPEAN WORKSHOP ON

SUPPORT FOR COMPOSING DISTRIBUTED APPLICATIONS, p. 58–65, New York, NY, USA, 1998. ACM Press. 3.1

[Behren/03] BEHREN, R.; CONDIT, J. ; BREWER, E.. **Why events are a bad idea (for high-concurrency servers)**. In: PROCEEDINGS OF THE 9TH WORKSHOP ON HOT TOPICS IN OPERATING SYSTEMS, Hawaii, USA, May 2003. 1.1, 2.1.2, 2.2.1, 2.2.1

[Birtwistle/75] BIRTWISTLE, G.; DAHL, O.; MYHRHAUG, B. ; NYGAARD, K.. **Simula Begin**. Petrocelli Charter, 1975. 2.2.1

[Birrell/83] BIRRELL, A.; NELSON, B.. **Implementing remote procedure calls**. In: PROCEEDINGS OF THE ACM SYMPOSIUM ON OPERATING SYSTEM PRINCIPLES, p. 3, Bretton Woods, NH, 1983. Association for Computing Machinery. 3.1

[Caromel/93] CAROMEL, D.. **Toward a method of object-oriented concurrent programming**. Communications of the ACM, 36(9):90–102, 1993. 3.3

[Cardelli/99] CARDELLI, L.. **Abstractions for mobile computation**. In: SECURE INTERNET PROGRAMMING, p. 51–94, 1999. 1

[Cheong/03] CHEONG, E.; LIEBMAN, J.; LIU, J. ; ZHAO, F.. **TinyGALS: a programming model for event-driven embedded systems**. In: PROCEEDINGS OF THE ACM SYMPOSIUM ON APPLIED COMPUTING, p. 698–704, New York, NY, USA, 2003. ACM Press. 4, 4.6

[Comer/96] COMER, D.; STEVENS, D.. **Internetworking with TCP/IP - client-server programming and applications**, volumen 3. Prentice-Hall, 2 edition, 1996. 3.1

[Conway/00] CONWAY, D.. **RFC-31 Subroutines: Co-routines**, 2000. dev.perl.org/perl6/rfc/31.html. 2.2.1

[Costa/05] COSTA, P.; PICCO, G. P. ; ROSSETTO, S.. **Publish-Subscribe on sensor networks: a semi-probabilistic approach**. In: PROCEEDINGS OF THE 2ND IEEE INTERNATIONAL CONFERENCE ON MOBILE AD-HOC AND SENSOR SYSTEMS, Washington DC, USA, Nov 2005. 4

[Crossbow] **Crossbow Technology, Inc**. <http://www.xbow.com/>. 4.3.1

[Culler/04] CULLER, D.; ESTRIN, D. ; SRIVASTAVA, M.. **Overview of sensor networks**. IEEE Computer, 37(8):41–49, Aug 2004. 1.3, 4.1

- [Dunkels/04] DUNKELS, A.; GRONVALL, B. ; VOIGT, T.. **Contiki - a lightweight and flexible operating system for tiny networked sensors**. In: PROCEEDINGS OF THE 29TH ANNUAL IEEE INTERNATIONAL CONFERENCE ON LOCAL COMPUTER NETWORKS, p. 455–462, Washington, DC, USA, 2004. IEEE Computer Society. 4.6
- [Dunkels/05] DUNKELS, A.; SCHMIDT, O. ; VOIGT, T.. **Using protothreads for sensor node programming**. In: PROCEEDINGS OF THE WORKSHOP ON REAL-WORLD WIRELESS SENSOR NETWORKS, Stockholm, Sweden, June 2005. 4, 4.6
- [Edwards/99] EDWARDS, W. K.. **Core Jini**. Prentice Hall PTR, Upper Saddle River, NJ, USA, 1999. 3.1
- [Eicken/92] EICKEN, T.; CULLER, D. E.; GOLDSTEIN, S. C. ; SCHAUSER, K. E.. **Active messages: a mechanism for integrated communication and computation**. In: PROCEEDINGS OF THE 19TH ANNUAL INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE, p. 256–266, New York, NY, USA, 1992. ACM Press. 2.2.1
- [Engelschall/00] ENGELSCHALL, R.. **Portable multithreading: The signal stack trick for user-space thread creation**. In: USENIX ANNUAL TECHNICAL CONFERENCE, p. 239–250, San Diego, CA, USA, 2000. 2.2.1
- [Engelschall/05] ENGELSCHALL, R. S.. **Gnu portable threads (GNU Pth)**, 2006. <http://www.gnu.org/software/pth/>. 2.2.1
- [Foster/01] FOSTER, I.; KESSELMAN, C. ; TUECKE, S.. **The anatomy of the grid: enabling scalable virtual organizations**. International Journal of Supercomputer Applications, 15(3):200–222, 2001. 1.3, 3
- [Gay/03] GAY, D.; LEVIS, P.; VON BEHREN, R.; WELSH, M.; BREWER, E. ; CULLER, D.. **The NesC language: a holistic approach to networked embedded systems**. In: ACM SIGPLAN CONFERENCE ON PROGRAMMING LANGUAGE DESIGN AND IMPLEMENTATION, p. 1–11, New York, NY, USA, 2003. ACM Press. 4.2.1, 4.2.2
- [Getov/01] GETOV, V.; VON LASZEWSKI, G.; PHILIPPSEN, M. ; FOSTER, I.. **Multiparadigm communications in Java for grid computing**. Communications of the ACM, 44(10):118–125, 2001. 3
- [Gorlatch/03] ALT, M.; GORLATCH, S.. **Future-based RMI: Optimizing compositions of remote method calls on the grid**. Lecture Notes in Computer Science, 2790:427–430, Jan 2003. 3.1.2

- [Han/05] HAN, C.; KUMAR, R.; SHEA, R.; KOHLER, E. ; SRIVASTAVA, M.. **A dynamic operating system for sensor nodes**. In: PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MOBILE SYSTEMS, APPLICATIONS AND SERVICES, p. 163–176, New York, NY, USA, 2005. ACM Press. 4
- [Hieb/90] HIEB, R.; DYBVIK, R. K. ; BRUGGEMAN, C.. **Representing control in the presence of first-class continuations**. In: ACM SIGPLAN CONFERENCE ON PROGRAMMING LANGUAGE DESIGN AND IMPLEMENTATION, p. 66–77, New York, NY, USA, 1990. ACM Press. 2.2.1
- [Hill/00] HILL, J.; SZEWCZYK, R.; WOO, A.; HOLLAR, S.; CULLER, D. ; PISTER, K.. **System architecture directions for networked sensors**. In: 9TH INTERNATIONAL CONFERENCE ON ARCHITECTURAL SUPPORT FOR PROGRAMMING LANGUAGES AND OPERATING SYSTEMS, p. 93–104, New York, NY, USA, 2000. ACM Press. 1.3, 2.1.1, 2.4, 4
- [ICE] **The internet communications engine**. <http://www.zeroc.com/ice.html>. 3.3
- [Ierusalimschy/03] IERUSALIMSCHY, R.. **Programming in Lua**. Lua.org, 2003. 3, 3.1.1
- [JavaRMI/99] MICROSYSTEMS, S.. **Java remote method invocation specification**, 1999. 3.3
- [Kasten/05] KASTEN, O.; ROMER, K.. **Beyond event handlers: programming wireless sensors with attributed state machines**. In: PROCEEDINGS OF THE 4TH INTERNATIONAL SYMPOSIUM ON INFORMATION PROCESSING IN SENSOR NETWORKS, p. 7, Piscataway, NJ, USA, 2005. IEEE Press. 2.1.2, 4, 4.6
- [Kleinrock/96] KLEINROCK, L.. **Nomadcity: anytime, anywhere in a disconnected world**. Mobile Network Applications, 1(4):351–357, 1996. 1
- [Knuth/97] KNUTH, D.. **The art of computer programming**, volumen 1. Addison-Wesley, 3 edition, 1997. 1.2, 2.2.1
- [Lea/06] LEA, D.; VINOSKI, S. ; VOGELS, W.. **Asynchronous middleware and services**. IEEE Internet Computing, 10(1):14–17, 2006. 2.1.2
- [Levis/02] LEVIS, P.; CULLER, D.. **Maté: a tiny virtual machine for sensor networks**. In: PROCEEDINGS OF THE 10TH INTERNATIONAL

CONFERENCE ON ARCHITECTURAL SUPPORT FOR PROGRAMMING LANGUAGES AND OPERATING SYSTEMS, p. 85–95, New York, NY, USA, 2002. ACM Press. 4, 4.6

[Levis/03] LEVIS, P.; LEE, N.; WELSH, M. ; CULLER, D.. **TOSSIM: Accurate and scalable simulation of entire TinyOS applications**. In: PROCEEDINGS OF THE 1ST ACM CONFERENCE ON EMBEDDED NETWORKED SENSOR SYSTEMS), p. 126–137. ACM Press, 2003. 4.4

[Libenzi/05] LIBENZI, D.. **Portable coroutine library (PCL)**, 2005. <http://xmailserver.org/libpcl.html>. 2.2.1, 4.3.1

[Lima/01] DE LIMA, M. J. D.. **ORFEO: Programação distribuída orientada a eventos com funções e continuações como valores de primeira classe**. PhD thesis, PUC-Rio, Rio de Janeiro, Brasil, 2001. 2.2.1

[Lisbov/88] LISBOV, B.; SHRIRA, L.. **Promises: linguistic support for efficient asynchronous procedure calls in distributed systems**. In: PROCEEDINGS OF THE ACM SIGPLAN CONFERENCE ON PROGRAMMING LANGUAGE DESIGN AND IMPLEMENTATION, p. 260–267, New York, NY, USA, 1988. ACM Press. 3.1.2, 3.1.4, 3.3

[Loureiro/03] LOUREIRO, A. A. F.; NOGUEIRA, J. M. S.; RUIZ, L. B.; MINI, R. A.; NAKAMURA, E. F. ; FIGUEIREDO, C. M. S.. **Wireless sensors networks**. In: 21ST BRAZILIAN SYMPOSIUM ON COMPUTER NETWORKS, p. 179–226, Natal, RN, Brazil, 2003. Tutorial. 1.3, 4.1, 4.5

[Maia/05] MAIA, R.; CERQUEIRA, R. ; KON, F.. **A middleware for experimentation on dynamic adaptation**. In: PROCEEDINGS OF THE 4TH WORKSHOP ON REFLECTIVE AND ADAPTIVE MIDDLEWARE SYSTEMS, p. 1–6, New York, NY, USA, 2005. ACM Press. 2.2.1

[Moura/04] MOURA, A. L.. **Revisitando co-rotinas**. PhD thesis, PUC-Rio, Rio de Janeiro, Brasil, 2004. 2.2.1, 3.1.1, 4.3.1

[Moura/04] DE MOURA, A. L.; RODRIGUEZ, N. ; IERUSALIMSCHY, R.. **Coroutines in Lua**. Journal of Universal Computer Science, 10(7):910–925, jul 2004. 2.2.1, 3.1.1

[Nehab/04] NEHAB, D.. **LuaSocket: networking support for Lua**, 2004. <http://luaforge.net/projects/luasocket/>. 3.1.2

[OMG/AMI] **CORBA messaging specification**, 1998. OMGDocument orbos/98-05-05 ed. 3.3

- [Ousterhout/96] OUSTERHOUT, J. K.. **Why threads are a bad idea (for most purposes)**, 1996. Presentation given at the 1996 Usenix Annual Technical Conference. 1.1, 2.1.1
- [Ousterhout/98] OUSTERHOUT, J. K.. **Scripting: Higher-level programming for the 21st century**. Computer, 31(3):23–30, 1998. 3.1.1
- [Polley/04] POLLEY, J.; BLAZAKIS, D.; MCGEE, J.; RUSK, D. ; BARAS, J.. **ATEMU: a fine-grained sensor network simulator**. In: SENSOR AND AD HOC COMMUNICATIONS AND NETWORKS, p. 145–152, 2004. 4.4
- [Pyrali/97] PYRALI, I.; HARRISON, T.; SCHMIDT, D. ; JORDAN, T.. **Proactor - an object behavioral pattern for demultiplexing and dispatching handles for asynchronous events**. In: 4TH ANNUAL PATTERN LANGUAGES OF PROGRAMMING CONFERENCE, 1997. 2.1.2, 2.3
- [Redmond/97] REDMOND, F. E.. **DCOM: Microsoft Distributed Component Model**. IDG Books Worldwide, 1997. 3.3
- [Rodriguez/05] RODRIGUEZ, N.; ROSSETTO, S.. **Integrating remote invocations with asynchronism and cooperative multitasking**. In: THIRD INTERNATIONAL WORKSHOP ON HIGH-LEVEL PARALLEL PROGRAMMING AND APPLICATIONS, Warwick, Inglaterra, 2005. 1.3, 3
- [Rossetto/06] ROSSETTO, S.; RODRIGUEZ, N.. **A cooperative multitasking model for networked sensors**. In: WORKSHOP ON WIRELESS AD-HOC AND SENSOR NETWORKS (TO APPEAR), Lisboa, Portugal, 2006. 1.3, 4
- [Schmidt/95] SCHMIDT, D. C.. **Reactor: an object behavioral pattern for concurrent event demultiplexing and event handler dispatching**. Pattern languages of program design, p. 529–545, 1995. 2.1.2
- [Schmidt/96] SCHMIDT, D. C.; CRANOR, C. D.. **Half-sync/half-async: an architectural pattern for efficient and well-structured concurrent I/O**. Pattern languages of program design 2, p. 437–459, 1996. 2.2, 2.3
- [Schmidt/01] SCHMIDT, D. C.; MUNGEE, S.; FLORES-GAITAN, S. ; GOKHALE, A.. **Software architectures for reducing priority inversion and non-determinism in real-time object request brokers**. Real-Time Syst., 21(1-2):77–125, 2001. 2.3

- [Scott/06] SCOTT, M. L.. **Programming language pragmatics**. Morgan-Kaufmann, 2 edition, 2006. 2.2.1
- [Serrano/04] SERRANO, M.; BOUSSINOT, F. ; SERPETTE, B.. **Scheme fair threads**. In: PROCEEDINGS OF THE 6TH ACM SIGPLAN INTERNATIONAL CONFERENCE ON PRINCIPLES AND PRACTICE OF DECLARATIVE PROGRAMMING, p. 203–214, New York, NY, USA, 2004. ACM Press. 2.3
- [Ururahy/02] URURAHY, C.; RODRIGUEZ, N. ; IERUSALIMSCHY, R.. **ALua: flexibility for parallel programming**. Computer Languages, 28(2):155–180, Dez 2002. 3.1.1, 5
- [Vinoski/98] VINOSKI, S.. **New features for corba 3.0**. Commun. ACM, 41(10):44–52, 1998. 3.3
- [Vinoski/05] VINOSKI, S.. **RPC under fire**. IEEE Internet Computing, 9(5):93–95, 2005. 2.1.2
- [Walker/90] WALKER, E. F.; FLOYD, R. ; NEVES, P.. **Asynchronous remote operation execution in distributed systems**. In: PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS, p. 253–259, May/Jun 1990. 3.1.2, 3.1.4, 3.3
- [Weiser/93] WEISER, M.. **Some computer science issues in ubiquitous computing**. Communications of the ACM, 36(7):75–84, 1993. 1
- [Welsh/01] WELSH, M.; CULLER, D. ; BREWER, E.. **SEDA: an architecture for well-conditioned, scalable internet services**. In: PROCEEDINGS OF THE 18TH ACM SYMPOSIUM ON OPERATING SYSTEMS PRINCIPLES, p. 230–243, New York, NY, USA, 2001. ACM Press. 1.1, 2.1.2
- [Welsh/04] WELSH, M.; MAINLAND, G.. **Programming sensor networks with abstract regions**. In: USENIX/ACM SYMPOSIUM ON NETWORK SYSTEMS DESIGN AND IMPLEMENTATION, 2004. 4.6
- [Yang/96] YANG, Z.; DUDDY, K.. **CORBA: a platform for distributed object computing**. SIGOPS Operating System Reviews, 30(2):4–31, 1996. 3.1.2, 3.3