

Literatur

- [1] Hermann Kopetz. *Real-Time Systems: Design Principles for Distributed Embedded Applications*. Kluwer Academic Publishers, 1997.
- [2] Jane W. S. Liu. *Real-Time Systems*. Prentice-Hall, Inc., 2000.
- [3] Wolfgang Schröder-Preikschat. *Softwaresysteme 1*. 2006. Lecture Notes.
- [4] Wolfgang Schröder-Preikschat. Echtzeitbetriebssysteme. In Peter Liggesmeyer and Dieter Rombach, editors, *Software Engineering für Eingebettete Systeme*, chapter 15, pages 343–376. Elsevier, Spektrum Akademischer Verlag, 2005.
- [5] Deutsches Institut für Normung. *Informationsverarbeitung — Begriffe*. DIN 44300. Beuth-Verlag, Berlin, Köln, 1985.
- [6] IFIP. Working Group 10.4 on Dependable Computing and Fault Tolerance. <http://www.dependability.org/wg10.4>, 2003.
- [7] David E. Simon. *An Embedded Software Primer*. Addison-Wesley, 1999.
- [8] DaimlerChrysler AG. Der neue Maybach. *ATZ/MTZ Sonderheft*, page 125, September 2002.
- [9] David Tennenhouse. Proactive computing. *Communications of the ACM*, 43(5):43–50, May 2000.
- [10] David E. Culler and Wei Hong. Wireless sensor networks — introduction. *Communications of the ACM*, 47(6):30–33, June 2004.
- [11] Collin Walls. The perfect RTOS. In *Proceedings of the embedded world 2004*, Nürnberg, 2004.
- [12] Stanley R. Mohler Jr. My fascinating interview with Allan Klumpp. <http://www.unt.edu/UNT/departments/CC/Benchmarks/benchmarks.html/sepoct95/lunar.htm>, 1995.
- [13] Roger Zühlsdorf. Protokoll des Funkverkehrs bei der ersten Landung auf dem Mond. <http://members.fortunecity.de/rogerzuehlsdorf/Ap11d.htm>, 1999.
- [14] David Lorge Parnas. Some hypotheses about the “Uses” hierarchy for operating systems. Technical Report BS I 75/2, TH Darmstadt, 1975.
- [15] Theodore P. Baker and Alan C. Shaw. The cyclic executive model and Ada. In *Proceedings of the 9th IEEE Real-Time Systems Symposium (RTSS '88)*, pages 120–129, Huntsville, Alabama, USA, December 6–8, 1988.
- [16] IEEE Standard 802.5. Token Ring Access Method and Physical Layer Specification, 1989.

- [17] Dan Hildebrand. An architectural overview of QNX. In *Proceedings of the USENIX Workshop on Microkernels and Other Kernel Architectures*, pages 113–126, Seattle, WA, USA, April 27–28, 1992.
- [18] Wind River Systems, Inc. <http://www.windriver.com>.
- [19] John P. Lehoczky and Lui Sha. Performance of real-time bus scheduling algorithms. *ACM Performance Evaluation Review*, 14(1):44–55, May 1986.
- [20] Edsger Wybe Dijkstra. Cooperating sequential processes. Technical report, Technische Universiteit Eindhoven, Eindhoven, The Netherlands, 1965. (Reprinted in *Great Papers in Computer Science*, P. Laplante, ed., IEEE Press, New York, NY, 1996).
- [21] Bruce Jay Nelson. *Remote Procedure Call*. PhD thesis, Department of Computer Science, Carnegie-Mellon University, Pittsburg, PA, USA, May 1981. Technical Report CMU–81–119.
- [22] Butler W. Lampson and David D. Redell. Experiences with processes and monitors in mesa. *Communications of the ACM*, 23(2):105–117, 1980.
- [23] David Wilner. Vx-files: What really happened on mars? Keynote at the 18th IEEE Real-Time Systems Symposium (RTSS '97), December 1997.
- [24] Michael B. Jones. http://www.research.microsoft.com/~mbj/Mars_Path-finder, 1997.
- [25] Per Brinch Hansen. *Operating System Principles*. Prentice Hall International, 1973.
- [26] Charles Antony Richard Hoare. Monitors: An operating system structuring concept. *Communications of the ACM*, 17(10):549–557, October 1974.
- [27] Aloysius K.-L. Mok. *Fundamental Design Problems of Distributed Systems for Hard Real-Time Environments*. PhD thesis, Massachusetts Institute of Technology, MIT, Cambridge, MA, USA, May 1983. Technical Report MIT/LCS/TR-297.
- [28] Lui Sha, Ragunathan Rajkumar, and John P. Lehoczky. Priority inheritance protocols: An approach to real-time synchronization. *IEEE Transactions on Computers*, 39(9):1175–1185, September 1990.
- [29] Theodore P. Baker. A stack-based resource allocation policy for real-time processes. In *Proceedings of the 11th IEEE Real-Time Systems Symposium (RTSS '90)*, pages 191–200, Lake Buena Vista, FL, USA, December 5–7, 1990. IEEE.
- [30] Theodore P. Baker. Stack-based scheduling of realtime processes. *Real-Time Systems*, 3(1):67–99, 1991.

- [31] Vitruv Marcus Vitruvius Pollio. *De Architectura Libris Decem*. 27 v.Chr. Übersetzung von Curt Fensterbusch, Vitruv — Zehn Bücher über Architektur, Primus Verlag, 1996.
- [32] International Organization for Standardization. *Information technology – Open Systems Interconnection – Basic Reference Model: The Basic Model*. ISO/IEC 7498-1. ISO, 1994.
- [33] Stefan Poledna. *Replica Determinism in Fault-Tolerant Distributed Real-Time Systems*. PhD thesis, Technical University of Vienna, Vienna, Austria, 1995. Research Report 28/95.
- [34] Miroslav Malek. Responsive computer systems. *Real-Time Systems*, 7(3), 1994. Special Issue.
- [35] Scott Johnson. Inside TMI: Minute by minute. <http://kd4dcy.net/tmi>, 2005.
- [36] Robert M. Metcalfe and David R. Boogs. Ethernet: Distributed packet switching for local computer networks. *Communications of the ACM*, 19(5):395–404, July 1976.
- [37] Echelon Corporation. Enhanced media access control with LonTalk protocol. Engineering Bulletin 005-0001-01C, January 1995.
- [38] International Organization for Standardization. *Road vehicles — Control area network (CAN) — Parts 1–4*. ISO 11898. ISO, 2003.
- [39] Deutsches Institut für Normung. *Der Profibus*. DIN 19245. Beuth-Verlag, Berlin, Köln, 1991.
- [40] Neil C. Audsley and Alan Grigg. Timing analysis of the ARINC 629 databus for real-time applications. In *Proceedings of the ERA Avionics Conference and Exhibition*, pages 10.1.1–10.1.11, Heathrow, UK, November 20–21, 1996.
- [41] Leslie Lamport. A new solution of Dijkstra’s concurrent programming problem. *Communications of the ACM*, 8(7):453–455, 1974.
- [42] Philippe Leterrier. The FIP protocol. Technical report, WorldFIP Europe, Nancy, France, 1992.
- [43] J. Will Specks and Antal Rajnák. LIN—protocol, development tools, and software interfaces for local interconnect networks in vehicles. In *Proceedings of 9th International Conference on Electronic Systems for Vehicles*, Baden-Baden, Germany, October 5/6, 2000.
- [44] Hermann Kopetz and Günter Grünsteidl. TTP—a time-triggered protocol for fault-tolerant real-time systems. In *Proceedings of the Twenty-Third Annual International Symposium on Fault-Tolerant Computing (FTCS-23)*, pages 524–533, Toulouse, France, June 22–24, 1993. IEEE.

- [45] Josef Berwanger, Martin Peller, and Robert Grießbach. *byteflight* — a new protocol for safety critical applications. In *Proceedings of the 28th FISITA World Automotive Congress*, Seoul, Korea, June 12–15, 2000.
- [46] FlexRay Consortium. Flexray communication systems. Protocol Specification Version 2.1, Revision A, December 2005.