intel®

References to Existing CAN Literature

The following are some documents that give details of the CAN protocol, its applications and device and system implementations:

1. David J. Arnett, Intel Corporation, "A High Performance Solution for In-Vehicle Networking—Controller Area Network (CAN)", SAE 870823
2. Siegfried Dais and Michael Chapman, Robert Bosch GmbH, "Impact of Bit Representation on Transport Capacity and Clock Accuracy in Serial Data Streams", SAE International Congress and Exposition 1989, SAE 890532
3. I. Dudeck, U. Hipp and T. Raith, Daimler-Benz AG, "Investigations into the Electromagnetic Capability and Performance Evaluation of Databus Systems in Motor Vehicles", FISITA 1988
4. Norio Fujiki, Naoki Hiwa, Toshiaki Isobe, Teruhisa Inoue and Kazuya Akashi, "Final Report on Evaluation of Multiplexing Systems for Automotive Distributed Control", SAE International Congress and Exposition 1992, SAE 920228
5. Uwe Kiencke, C. T. Cao and M. Litschel, Robert Bosch GmbH, "The Impact of Bit Representation on Noise Emissions in Automotive Networks", IEEE Conference on Automotive Electronics, Oct. 1987, London, Conference Publication No. 280
6. Uwe Kiencke and Siegfried Dais, Robert Bosch GmbH, "Application Specific Microcontroller for Multiplex Wiring", SAE 870515
7. Uwe Kiencke, Siegfried Dais and Martin Litschel, Robert Bosch, GmbH, "Automotive Serial Controller Area Network", SAE International Congress and Exposition 1986, SAE 860391
8. Uwe Kiencke, Siegfried Dais, Martin Litschel and Jan Unruh, Robert Bosch GmbH, "Error Handling Strategies for Automotive Networks", SAE 880587
9. Wolfhard E. Lawrenz, I+ME GmbH, "In-Vehicle Networking Requires New Development Tools", SAE International Congress and Exposition 1989, SAE 890533
10. Heikki Leppanen, Kone Corporation, "Performance Analysis of Non-Destructive Bitwise Arbitration Protocol"
11. Arnold Millsap, Mark Lowden, Michael Folkerts, Siegfried Dais and Jan Unruh, "Mapping SAE J1850 Messages into CAN Version 2.0", SAE International Congress and Exposition 1993, SAE 930437.
12. Frederick H. Phail and David J. Arnett, Intel Corporation, "In-Vehicle Networking—Serial Communication Requirements and Directions", SAE International Congress and Exposition 1986, SAE 860390
13. Martin Zechnall and Gunther Kaiser, Robert Bosch GmbH, "A New MOTRONIC System with 16 Bit Micro Controller", SAE 891648
14. Robert Bosch GmbH, "Error Detection Capabilities of the CAN Protocol", ISO/TC22/SC3/WG1 document
15. Robert Bosch GmbH, "Specification of the CAN — Physical Layer for High-Speed-Application up to 1 Mbit/s" October 1989, presented to ISO on Oct 31 in Tokyo
16. Fiat Auto S.p.A., "EMC-Radiated Susceptibility: Bench Test on Two Electronic Units Linked with a CAN line using different kinds of Cables", ISO/TC22/SC3/WG1 document
17. Robert Bosch GmbH, "CAN Specification" version 1.0, 1987, ISO/TC22/SC3/WG1 document
18. Robert Bosch GmbH, "CAN Specification" version 1.1, 1989, ISO/TC22/SC3/WG1 document
19. Robert Bosch GmbH, "CAN Specification" version 1.2, 1990, ISO/TC22/SC3/WG1 document
20. Robert Bosch GmbH, "CAN Specification" Version 2.0, 1992, ISO/TC22/SC3/WGI document.
21. Robert Bosch GmbH, "CAN Specification of the Data Link Layer and Physical Layer," June 1990, ISO/TC22/SC3/WG1 document
22. Craig Szydlowski, "A Gateway for CAN Specification 2.0 Non-Passive Devices", SAE International Congress and Exposition 1993, SAE 930005.
23. Craig Szydlowski, "CAN Specification 2.0: Protocol and Implementations", SAE International Congress and Exposition 1992, SAE 921603.
24. Craig Szydlowski and Mukund Patel, "Generic FMEA for Stand-Alone CAN Devices", SAE International Congress and Exposition 1993, SAE 930006.