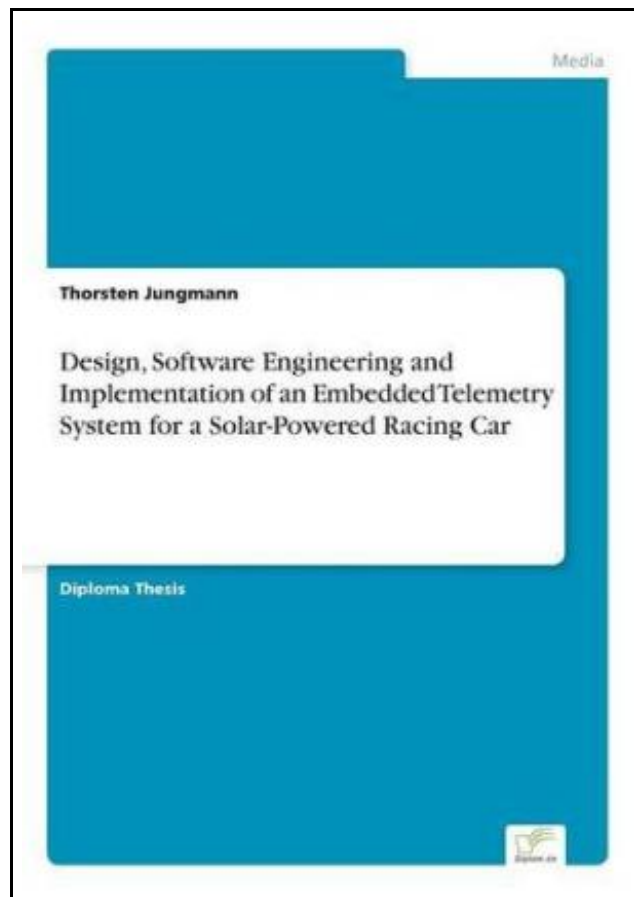


# Design, Software Engineering and Implementation of an Embedded Telemetry System for a Solar-Powered Racing Car



Filesize: 3.33 MB

## ***Reviews***

*The best pdf i at any time read. It is one of the most remarkable ebook we have read through. You wont really feel monotony at anytime of your own time (that's what catalogs are for concerning should you check with me).*

***(Reggie Streich)***

## DESIGN, SOFTWARE ENGINEERING AND IMPLEMENTATION OF AN EMBEDDED TELEMETRY SYSTEM FOR A SOLAR-POWERED RACING CAR



diplom.de. Paperback. Book Condition: New. Paperback. 100 pages. Dimensions: 8.3in. x 5.8in. x 0.2in. Diploma Thesis from the year 2001 in the subject Design (Industry, Graphics, Fashion), grade: 1, 0, Bochum University of Applied Sciences (Elektrotechnik), language: English, abstract: Inhaltsangabe: Abstract: An embedded telemetry system has been designed and implemented into the solar-powered racing car Mad Dog 3. The system shall assist strategists in making decisions during a solar car race. It delivers input data for a computer simulation model and for reconstruction of situations when failure occurred. System requirements have been analysed and the scope of solutions on the market has been explored. As a result, the choice of hardware and peripheral components has been made in favour of a microcomputer-based system. Strategy-relevant quantities in the solar car are measured by transducers and at the same time displayed on panel meters in the cockpit. Measured data are transmitted via a bus system to the central processing unit, which consists of the worlds smallest PC. From the sensor signals the cars performance data is computed. As a result of computation, sets of performance data are sent to a laptop computer in one of the support vehicles by a pair of wireless modems. For safety reason, the system has been designed redundant. There is a digital device and a second analogue instrument for all key measurements. Communication equipment between the solar car driver and support staff has been reviewed and recommendations have been given. The project has been completed successfully, i. e. project aims have been reached. This was confirmed during a test drive. The range of the wireless modems has been proven satisfactory. CB radios have been shown not to be appropriate. There is a wide scope of additional investigation and supplementary features, due to the flexible nature of a microcomputer-based...



**Read Design, Software Engineering and Implementation of an Embedded Telemetry System for a Solar-Powered Racing Car Online**



**Download PDF Design, Software Engineering and Implementation of an Embedded Telemetry System for a Solar-Powered Racing Car**

## Related PDFs



### **Multiple Streams of Internet Income**

Wiley. Hardcover. Book Condition: New. Hardcover. 279 pages. Dimensions: 9.3in. x 6.2in. x 1.2in.Praise for MULTIPLE STREAMS OF INTERNET INCOMEIf ever the world needed some help to succeed on the Internet, this is the moment....

[Download Document »](#)



### **Estrellas Peregrinas Cuentos de Magia y Poder Spanish Edition**

Pinata Books. Paperback. Book Condition: New. Paperback. 178 pages. Dimensions: 8.3in. x 5.4in. x 0.6in.First ever Spanish-language edition of the critically acclaimed collection of short stories for young adults by a master of Latino literature...

[Download Document »](#)



### **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Download Document »](#)



### **The Mystery at Mount Vernon Real Kids, Real Places**

Gallopade International. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 7.3in. x 5.2in. x 0.5in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an...

[Download Document »](#)



### **Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: A Yak at the Picnic (Hardback)**

Oxford University Press, United Kingdom, 2014. Hardback. Book Condition: New. Mr. Nick Schon (illustrator). 177 x 148 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK's best-selling...

[Download Document »](#)