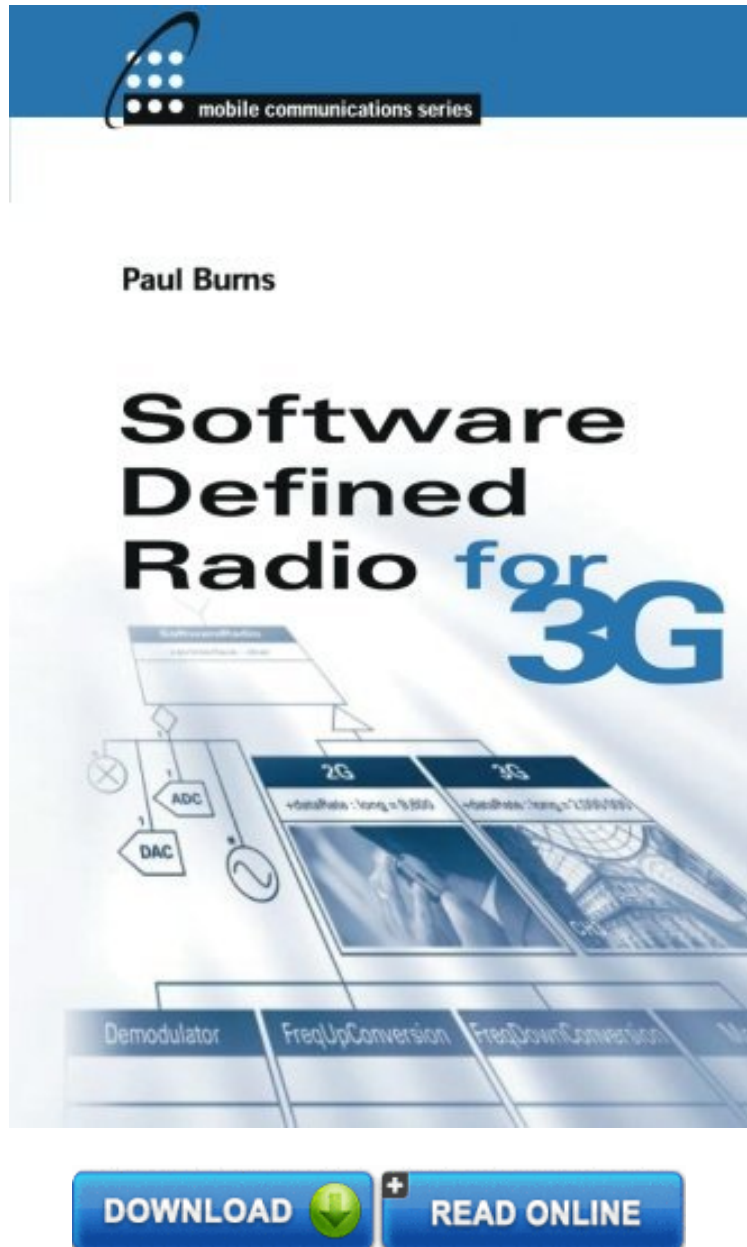


[Download] Software Defined Radio for 3G (Wireless Communications (Artech House))

Software Defined Radio for 3G (Wireless Communications (Artech House))

Paul Burns

*ePub | *DOC | audiobook | ebooks | Download PDF*



#5475298 in Books Artech House 2003-11-30 2003-11-30 Original language: English PDF # 1 9.00 x .68 x 6.00, 1.33 #File Name: 1580533477304 pages | File size: 28.Mb

Paul Burns : Software Defined Radio for 3G (Wireless Communications (Artech House)) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Software Defined Radio for 3G (Wireless Communications (Artech House)):

If you're a mobile communications engineer considering software radio solutions, this practical resource is essential reading. It covers systems design and partitioning all the way from the antenna to the management and control software. Various options for hardware are provided including a look at current and state of the art silicon technologies such as A/D D/A's, Dsp's, Fpga's, Rcp's, Acn's digital frequency up/down-converters. The book covers both Tdma and Cdma based cellular radio systems with a special emphasis on how the technology can solve many of the problems faced by 3G. A chapter detailing software architecture summarizes the Jtrs and Sdrf proposals and discusses potential software radio languages. Special coverage of smart antenna technology is followed by an implementation of a low cost software radio using off the shelf components to give readers a great head start to the world of software radio. The book concludes with an overview of engineering design assistance software tools that are becoming so important for successful developments of embedded radio products.

About the Author PAUL BURNS is Professor of Entrepreneurship and Dean of the University of Luton Business School, UK. He has previously held posts as Professor of Small Business Development at Cranfield School of Management, UK, having joined it from Warwick University Business School, UK. He also formerly served as Director of the 3i European Enterprise Research Centre, researching small firms across Europe. He has been a Visiting Fellow at Harvard Business School, USA, and a Visiting Professor at the Open University Business School, UK, where he developed the multi-media Small Business Programme which was screened on BBC2. He is Fellow and a former President of the Institute for Small Business and Entrepreneurship (ISBE). He is a chartered accountant, having worked for Arthur Andersen in London. For four years, he ran his own firm, Design for Learning Ltd.