Vein Pattern Recognition: A Privacy-Enhancing Biometric

Chuck Wilson
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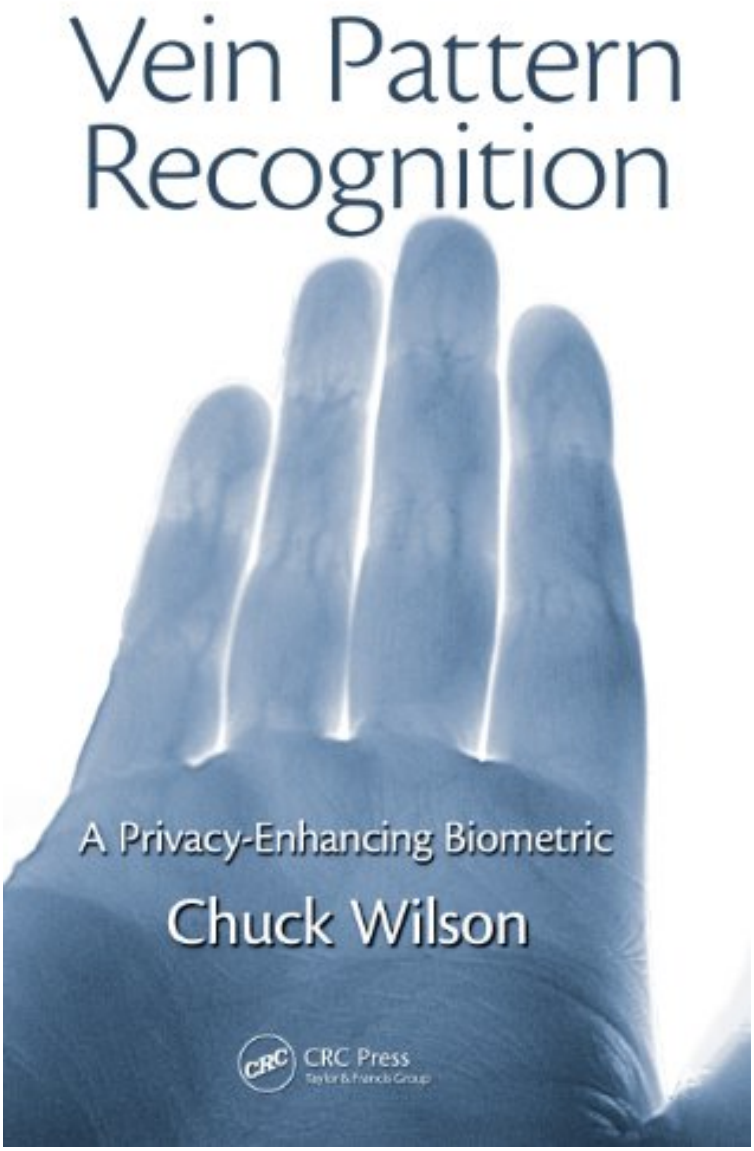

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Chuck Wilson : Vein Pattern Recognition: A Privacy-Enhancing Biometric before purchasing it in order to gage whether or not it would be worth my time, and all praised Vein Pattern Recognition: A Privacy-Enhancing Biometric:

0 of 0 people found the following review helpful. Five StarsBy JCWGreat book! Well-written; very informative.1 of 1 people found the following review helpful. Great introduction to the topic of Vein pattern recognition (VPR) and biometricsBy Ben RothkeVein pattern recognition (VPR), also called vascular pattern recognition, is one of many available biometric authentication technologies. VPR uses infrared light to create images of the blood vessels on

various parts of a person's hand, fingers, or palm. It is an effective biometric since the vein patterns of the human body are unique to a specific individual and do not change as people age.From a biometric perspective, it is an attractive option since it is difficult to forge and does not require contact with subjects' bodies. In Vein Pattern Recognition: A Privacy-Enhancing Biometric, author Chuck Wilson provides a comprehensive overshy;view of the various options in biometric authentication, with an emphasis around VPR.Wilson takes a balanced approach to the topic. Even though many vendors tout VPR as the best of all biometric technologies, Wilson notes that the technology is but one of many elements necessary for robust identity verification.A primary benefit of VPR biometrics is that it is contactless. This is a huge concern as many users are reticent to use a biometric they feel is intrusive.Chapter Five is especially insightful, detailing the various uses of VPR biometrics and how it has seen significant use in Japan, especially in the financial sector for identity verification.While Wilson is clearly a fan of biometrics, he does not see biometrics as the foolproof end-all security solution. Chapter Six details biometric solutions' limitations and the methods by which biometrics can be circumvented.The book notes that VPR, like many biometric technologies, has the potential to increase security and protect privacy. But that can only be done if the biometric solution is properly deployed. Vein Pattern Recognition can show you how to do that, and it is an excellent reference to anyone who wants to get a handle on the various types of biometric technologies.4 of 5 people found the following review helpful. Provides Good Fundamentals of VPRBy ProcessTrackerMy line of work involves implementing various kinds of item level process control authentication for mostly pharmaceutical and biopharmaceutical manufacturing equipment and single use surgical disposables. Occasionally, customers require a solution that also authenticates the person using these items as well. Finger print recognition scanners are fairly commonplace, but end users do not generally like them for various reasons, both privacy-related and user experience-related. This easy-to-read book explained how vein pattern recognition works, and gave a fair balance to VPR's virtues and drawbacks. I was amazed at how the technology has come a long way from the large, clumsy hand palm readers I had seen at access doors in the past. The book helped educate me enough so that I can now help my customers make a better biometric technology decision when the questions come up. Note: This is not a textbook for engineering or scientific theory and drill down explanations. It is more business oriented.

As one of the most promising biometric technologies, vein pattern recognition (VPR) is quickly taking root around the world and may soon dominate applications where people focus is key. Among the reasons for VPRrsquo;s growing acceptance and use: it is more accurate than many other biometric methods, it offers greater resistance to spoofing, it focuses on people and their privacy, andnbsp;has few negative cultural connotations. Vein Pattern Recognition: A Privacy-Enhancing Biometric provides a comprehensive and practical look at biometrics in general and at vein pattern recognition specifically. It discusses the emergence of this reliable but underutilized technology and evaluates its capabilities and benefits. The author, Chuck Wilson, an industry veteran with more than 25 years of experience in the biometric and electronic security fields, examines current and emerging VPR technology along with the myriad applications of this dynamic technology. Wilson explains the use of VPR and provides an objective comparison of the different biometric methods in use todaymdash;including fingerprint, eye, face, voice recognition, and dynamic signature verification. Highlighting current VPR implementations, including its widespread acceptance and use for identity verification in the Japanese banking industry, the text provides a complete examination of how VPR can be used to protect sensitive information and secure critical facilities. Complete with best-practice techniques, the book supplies invaluable guidance on selecting the right combination of biometric technologies for specific applications and on properly implementing VPR as part of an overall security system.

hellip; a clear road map for the past, present, and future of biometrics ... a practical guide to biometrics in a clear and easy to understand form, even for non-technicians. This thoroughly researched book covers the main technologies in use today and explains the principles of operation and appropriate uses of each. hellip; provides significant details for each system. ... Read this book and get a glimpse of how bright the future can be if we are all empowered rather than encumbered by technology? Kevin R. Walsh, Senior Vice President RD, Oracle Corporation, Asia Pacific DivisionChapter Five is especially insightful, detailing the various uses of VPR biometrics and how it has seen significant use in Japan, especially in the financial sector for identity verification. hellip; an excellent reference for anyone who wants to get a handle on the various types of biometric technologies.? Ben Rothke, CISSP, CISA, in Security ManagementAbout the AuthorChuck Wilson has worked in the information technology (IT) industry for more than 30 years. He worked in the card processing industry for more than two decades, and has been researching and writing about smart cards and biometrics for ten years. Wilson spent 12 years with Electronic Data Systems (EDS) managing payment services and electronic benefits transfer (EBT) businesses. Mr. Wilson was Senior Vice President of CardSystems Solutions Inc., in Addison, Texas, where he led the development of emerging payment products. He was also Senior Director at Hitachi America where he headed up the Hitachi Security Solutions business in North America, focusing on biometrics and smart card solutions. Today, Wilson manages and directs the Identity Verification business practice for ii2P, based in Southlake, Texas. In June 2001, Wilsonrsquo;s first book, Get Smart, was published regarding the emergence of smart cards in the United States and their pivotal roles in electronic

commerce.