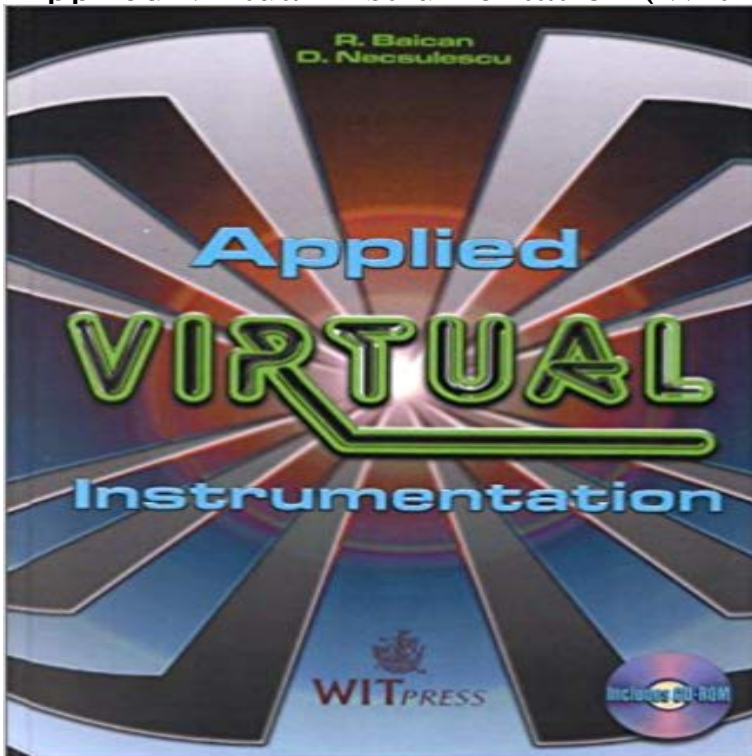


## Applied Virtual Instrumentation (With CD-ROM)



This textbook covers the fundamental knowledge and practical solutions required to interface sensors with a PC using the new framework of virtual instrumentation. The authors focus on the knowledge required by a non-specialist to develop a modern monitoring system, i.e. connect sensors to a PC, condition their signals when required, and store and process the data using digital signal processing subroutines available in commercial virtual instrumentation packages. Specifically written for senior undergraduates in engineering and science, and practising engineers and researchers interested in using computer based instrumentation but with a limited knowledge in process monitoring software. Contains numerous numerical and programming examples using LabVIEW, HP VEE and MATLAB. Includes a CD-ROM with extensive illustrative examples of virtual instrumentation systems development.

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