

Sensor (e.g.,  
temperature to  
voltage



Amplification,  
filtering



Interfacing via  
USB, PCI express



Data acquisition  
hardware:

Communication bridge  
between sensor &  
computer

(e.g. NI USB-6009)

Contains analog &  
digital channels:

AI (analog i/p)

AO (analog o/p)

DI (digital i/p)

DO (digital o/p)

# Data Acquisition Tutorial Hi

**Veljko Milutinović, David A. Fura**



## Data Acquisition Tutorial Hi:

**A Petroleum Geologist's Guide to Seismic Reflection** William Ashcroft, 2011-05-06 This book is written for advanced earth science students geologists petroleum engineers and others who want to get quickly up to speed on the interpretation of reflection seismic data It is a development of material given to students on the MSc course in Petroleum Geology at Aberdeen University and takes the form of a course manual rather than a systematic textbook It can be used as a self contained course for individual study or as the basis for a class programme The book clarifies those aspects of the subject that students tend to find difficult and provides insights through practical tutorials which aim to reinforce and deepen understanding of key topics and provide the reader with a measure of feedback on progress Some tutorials may only involve drawing simple diagrams but many are computer aided PC based with graphics output to give insight into key steps in seismic data processing or into the seismic response of some common geological scenarios Part I of the book covers basic ideas and it ends with two tutorials in 2 D structural interpretation Part II concentrates on the current seismic reflection contribution to reservoir studies based on 3 D data

*Energy Research Abstracts* ,1990      **Scientific and Technical Aerospace Reports** ,1989      Guide to the High Technology Industries Ballingerry Publishing,1983      **NASA Tech Briefs** ,1993      Optical Multichannel Analyzer Techniques for High Resolution Optical Spectroscopy James Lee Chao,1980

*Tutorial--VLSI Testing & Validation Techniques* Hassan K. Reghbati,1985      *Tutorial--gallium Arsenide Computer Design* Veljko Milutinović,David A. Fura,1988      **EDN** ,1990      *Tutorial, Microcomputer Networks* Harvey A. Freeman,Kenneth J. Thurber,1981      Process/industrial Instruments and Controls Handbook Douglas M. Considine,1993 Introductory review Control system fundamentals Controllers Process variables field instrumentation Geometric and motion sensors Physicochemical and analytical systems Control communications Operator interface Valves servos motors and robots

Neuropsychobiology ,1987      Byte ,1992      *Project Woksape* Renee A. Holoien,1989      Government Reports Annual Index ,1990      *Checklist of State Publications* ,1977      **Government Reports Annual Index: Keyword A-L** ,1987

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