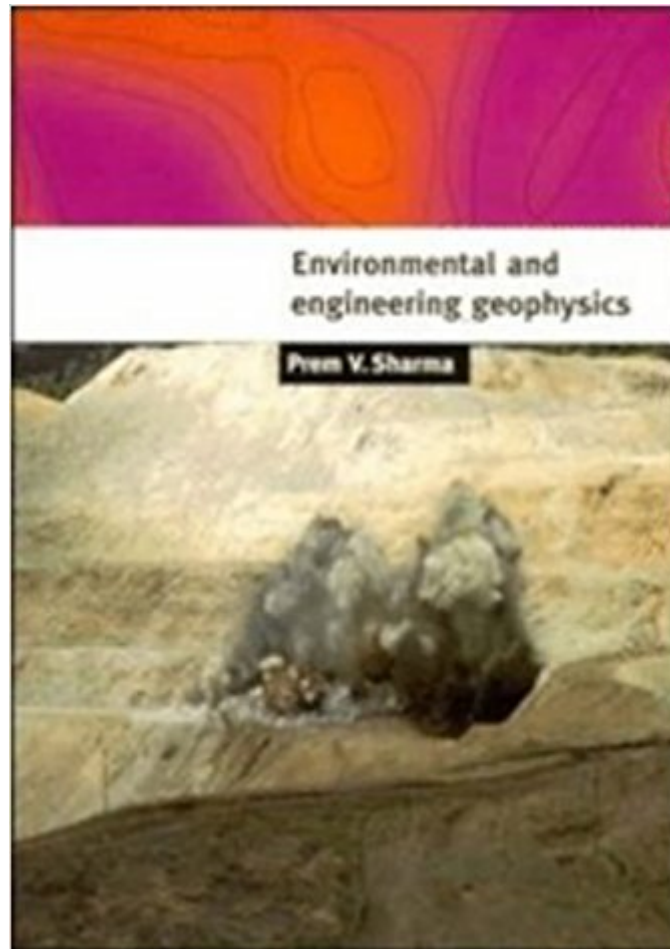




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# Environmental And Engineering Geophysics



## Synopsis

Geophysical imaging methods provide solutions to a wide variety of environmental and engineering problems: protection of soil and groundwater from contamination; disposal of chemical and nuclear waste; geotechnical site testing; landslide and ground subsidence hazard detection; location of archaeological artifacts. This book comprehensively describes the theory, data acquisition and interpretation of all of the principal techniques of geophysical surveying: gravity, magnetic, seismic, self-potential, resistivity, induced polarization, electromagnetic, ground-probing radar, radioactivity, geothermal, and geophysical borehole logging. Each chapter is supported by a large number of richly illustrated case histories. This book will prove to be a valuable textbook for senior undergraduates and postgraduates in environmental and applied geophysics, a supplementary course book for students of geology, engineering geophysics, civil and mining engineering, and a reference work for professional earth scientists, engineers and town planners.

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electromagnetic, ground-probing radar, radioactivity, geothermal, and borehole logging. Each chapter is supported by a large number of richly illustrated case histories. A valuable course-book for senior undergraduates and postgraduates in environmental and applied geophysics, this book will also serve as a supplementary textbook for students of geology and engineering, and a reference work for professional earth scientists, engineers and town planners.

This book might work well as an introductory textbook, but the reader will soon be looking for something more comprehensive. Considering the price of this book, a far more valuable alternative is in my opinion Parasnis' "Principles of Applied Geophysics". If you want to get to the core of applied geophysics you should go for Telford's "Applied Geophysics".

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