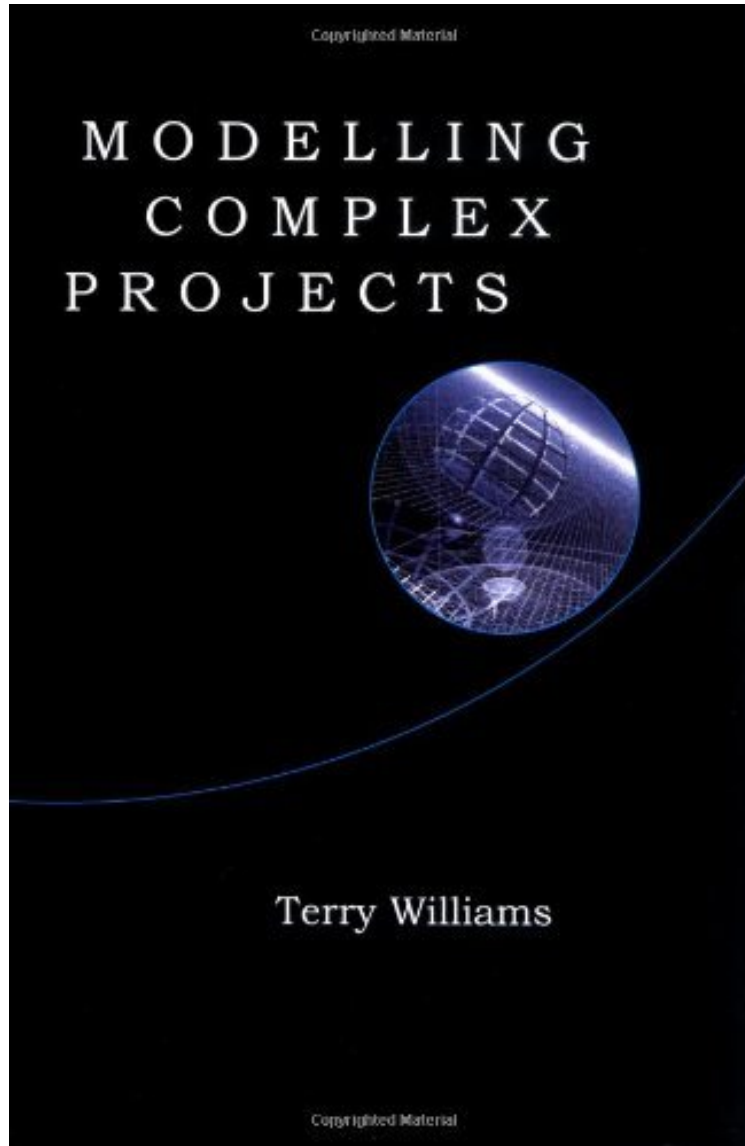


(Free read ebook) Modelling Complex Projects

Modelling Complex Projects

Terry Williams

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Terry Williams : Modelling Complex Projects before purchasing it in order to gage whether or not it would be worth my time, and all praised Modelling Complex Projects:

It is widely acknowledged that traditional Project Management techniques are no longer sufficient, as projects become more complex and client's demand reduced timescales. Problems that arise include inadequate planning and risk analysis, ineffective project monitoring and control, and uninformed post-mortem analysis. Effective modelling

techniques, which capture the complexities of such projects, are therefore necessary for adequate project management. This book looks at those issues, describes some modelling techniques, then discusses their merits and possible synthesis. * This is the only project management book that deals with Project Modelling. * Features case studies throughout. * Places the various approaches to Project Modelling within a coherent framework, and gives an objective overview.

ldquo;hellip;provides a lot of useful information about model building in general.rdquo; (Project Net, April 2004)
"...an essential resource for those required to model how a project may behave under certain circumstances..." (Jnl of the Operation Research Society, Vol 54(12), 2004) "...well conceived, well written, and well produced..." (Chemistry World, 1 Feb 2004)From the Inside FlapWRITTEN FROMnbsp;the standpoint of a practitioner who is also an academic, all of the techniques in Modelling Complex Projects have been used in practice, and a set of examples of real life projects are used throughout the project cycle to illustrate the effects that are modelled. Providing a broad toolkit, with an integrated development through all the tools, this book will show analysts and workers in project management how to: analyse the risk in a project quantify the effect of individual impacts upon a project (e.g. client changes) understand the progress of a project understand the behaviour of a project and the effect of management actions on the behaviour carry out a project post-mortem and prepare a post-project claim From the Back CoverIN RECENT YEARS, the need for help in understanding project behaviour has been exacerbated, as projects have become more complex while time-scales have tightened, adding to project complexity. Project teams however, rarely pay sufficient attention to modelling the behaviour of projects and this can lead to inadequate risk analysis, ineffective project control, and uninformed "lessons learned". Because the behaviour of complex projects is often puzzling, or counter-intuitive, we need models. This book presents a structured toolkit of techniques, developed gradually from the simple to the more complex, and provides examples to show where, when and why the techniques should be used. It looks at what causes project complexity, describes various aspects of project behaviour and develops modelling tools. Starting with more traditional techniques modelling individual effects on projects, giving a full treatment (including some novel network concepts) the book enables readers to build breakdown - and network - type models. It also considers some of the more difficult aspects of modelling by moving into the "softer", more subjective, effects and then looking at systemic models of the effects as they come together. Finally, it looks at various methods of developing hybrid tools, to utilise the benefits of combinations of techniques. Based on a wealth of practical experience and bringing together a range of tried and tested techniques, this book explains where the use of modelling can help estimate, monitor, control and analyse projects and thus lead to successful implementation.