



Measuring Time: Improving Project Performance Using Earned Value Management (International Series in Operations Research & Management Science)

By Mario Vanhoucke

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Meant to complement rather than compete with the existing books on the subject, this book deals with the project performance and control phases of the project life cycle to present a detailed investigation of the project's time performance measurement methods and risk analysis techniques in order to evaluate existing and newly developed methods in terms of their abilities to improve the corrective actions decision-making process during project tracking. As readers apply what is learned from the book, EVM practices will become even more effective in project management and cost engineering. Individual chapters look at simulation studies in forecast accuracy; schedule adherence; time sensitivity; activity sensitivity; and using top-down or bottom-up project tracking. Vanhoucke also offers an actual real-life case study, a tutorial on the use of ProTrack software (newly developed based on his research) in EVM, and conclusions on the relative effectiveness for each technique presented.

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Editorial Review

From the Back Cover

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About the Author

Prof Dr Mario Vanhoucke is associate professor at Ghent University and Vlerick Leuven Gent Management School (Belgium). He teaches Project Management, Business Statistics and Applied Operations Research. He is program director of the Bachelors and Masters in Business Engineering and the advanced Master in Operations and Technology Management and is a partner of OR-AS. His main research interest lies in simulation and optimization models in project scheduling and scheduling in the health care sector. This November he was awarded the 2008 International Project Management Association Research Award for the research project upon which this proposed book is based - (<http://www.ipma.ch/awards/resawards/Pages/winnersandhonours2008.aspx>).

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