
Description:

Human Systems Integration (HSI) is a new and fundamental integrating discipline designed to help move business and engineering cultures toward more human-centered systems. Integrating consideration of human abilities, limitations, and preferences into engineering systems yields important cost and performance benefits that otherwise would not have been accomplished. In order for this new discipline to be effective, however, a cultural change starting with organizational leadership is often necessary.

The Economics of Human Systems Integration explains the difficulties underlying valuation of investments in people's training and education, safety and health, and work productivity. It provides an overview of how the field of economics addresses these difficulties, focusing on human issues associated with design, development, production, operations, maintenance, and sustainment of complex systems.

The set of thought leaders recruited as contributors to this volume collectively provides a compelling set of data and principles for assessing the economic value of investing in people, not just in general but in specific investment situations. The early chapters provide the contexts for HSI and investment analysis, illustrating the enormous difference context makes in how issues are best framed and analyzed. A host of practical methods and tools for investment valuation are then presented. Provided are:

A variety of real-world applications of economic analysis ranging from military acquisition and automotive investment to healthcare and high-tech investments in general, in both the U.S. and abroad

A range of economics-based methods and tools for cost analysis, cost-benefit analysis, and investment analysis, as well as sources of data for performing such analyses

Differing perspectives on economic decision-making, including a range of private sector points of view, as well as government and regulatory perspectives

In addition, five real-world case studies illustrate how such valuations have been done and their major impacts on investment decisions. HSI professionals, systems engineers, and finance professionals who address investment analysis will appreciate the wide range of methods and real-life applications; senior undergraduates and masters-level graduate students will find this to be an excellent textbook that provides theory and supports practice.

Contents:
Preface.
Contributors.

PART I INTRODUCTION.
1. Introduction (William B. Rouse).

PART II ECONOMICS OVERVIEW.
5. Labor Economics (Nachum Sicherman).


PART III MODELS, METHODS, AND TOOLS.


10. Multistage Real Options (Michael J. Pennock).


PART IV CASE STUDIES.


13. The Economic Impact of Integrating Ergonomics within an Automotive Production Facility (W. Gary Allread and William S. Marras).


Index.

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/2170866/](http://www.researchandmarkets.com/reports/2170866/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Web Address: http://www.researchandmarkets.com/reports/2170866/
Office Code: SC6ILQNY

Product Format
Please select the product format and quantity you require:

| Quantity | Hard Copy (Hard Back) | USD 118 + USD 29 Shipping/Handling |

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ____________________________ Last Name: ____________________________
Email Address: * ____________________________
Job Title: ____________________________
Organisation: ____________________________
Address: ____________________________
City: ____________________________
Postal / Zip Code: ____________________________
Country: ____________________________
Phone Number: ____________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
- Account number: 833 130 83
- Sort code: 98-53-30
- Swift code: ULSBIE2D
- IBAN number: IE78ULSB98533083313083
- Bank Address: Ulster Bank,
  27-35 Main Street,
  Blackrock,
  Co. Dublin,
  Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp