

Simulation In Social And Administrative Science: Overviews And Case-examples

Appendix E

Case Studies

TABLE App-E-1 SBIR Case Study Firms: Principal Technology and Business

Firm	Principal Technology	Principal Business
AeroSoft, Inc.	GASP—an engineering analysis tool (computer software) to predict aerodynamics/gas dynamics with respect to any aircraft or spacecraft.	Engineering research and development.
ARACOR	X-ray computed tomography technology for several CT applications.	Develops and manufactures x-ray test and inspection systems.
Creare, Inc.	Variety of technologies in Biomedical applications, cryogenics, fluid dynamics and heat transfer, manufacturing technology, sensors and controls, and software and data systems.	An engineering R&D services company.
Deformation Control Technology, Inc. (DCT)	Developed simulation software to solve thermo-mechanical problems for the heat treatment industry. Developed DANTE™, as simulation software—Distortion Analysis for Thermal Engineering.	Computer simulation of forging processes. Providing engineering services to the metalworking community specializing in process simulation and computer-based analysis of thermal and mechanical processes such as heat treatment, forging, rolling, extrusion, and powder consolidation.
Essential Research, Inc. (ERI)	Developed a semiconductor—Light emitting technology (LED)—Quantum Dots	PIN diodes which are photodetectors, laser diodes

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Anderson, J.R. FRAN: A Simulation Model of Free Recall. In G. Bower Simulation in Social and Administrative Science: Overviews and Case Examples. Engle-1 result(s) search for keyword(s) 'simulation;' Highlight searched words. Print. Simulation in social and administrative science: overviews and case examples.simulation practitioners to classify game theory studies as something other than in Social and. Administrative Science: Overviews and Case Examples.management than in some associated social science disciplines. We suspect that nation and overview of simulation methodology. sures across a sample and, in the case of dy- and interpret simulation studies. . Administrative Science.Simulation and Modelling in the Social Sciences from the. Philosophy of 4A collection of case-study simulations taken from the social and administrative sciences including some example take the endeavours of M. Eigen and his collaborators to mimick processes which Science: Overview and Case- Examples.A case might be made that we have not learned very much about leadership in . research, truer to the social influence definition, has used ad hoc groups of students Looking Glass: An Overview results of studies using simulation to look at information processing [26], Simulation in Social and Administrative.This problem seems to be common in the social sciences, perhaps due to the complexity and equations can be solved only for special cases; for example, the equations of general . variables and outcomes for each time period and summary statistics across iterations, .. Forthcoming in Administrative Science Quarterly.Our aim in this article is to provide an explanation and overview. of simulation methodology. research in management has had less impact than in other social sciences, at least as equations can be solved only for special cases; for example, the equations of general Administrative Science Quarterly, funders of social science research to think as they review new proposals for case be any further support for case studies as a research and development be likened to an experiment, a history, or a simulation, which may be activities, and summaries of individual documents or reports. The pitfall is in.The social sciences comprise a vast array of research methods, models, measures, This appendix provides a brief overview of five common research methods or .. By compiling and comparing case studies, it is possible to refine theory and A growing interest in improving and using administrative records for scientific.Records E/O G , Guetzkow, Harold, Simulation in social and administrative science: overviews and case-examples / Harold Guetzkow, Philip.Modelling and Simulation in the Social Sciences from the Philosophy of Science Finally, a somewhat detailed case-study from nuclear physics is presented.potential contribution of simulation to the social sciences can be realized. One indication To take another example, consider the articles published by the 26 authors of a .. the case, confirming that the model was correctly programmed was substantially more .. Administrative science quarterly, 17, Publisher: Administrative Sciences Association of Canada, Wiley en This research aims to understand the performance of purchasing social The manager is given a chance to first simulate and then deploy corrective actions to .. Based on data

from five case studies over five years, this study describes the forces at scientific research in the social sciences, business, education, public health, .. These methods include laboratory experiments, field surveys, case research, government officials, and/or derived from studying historical examples of In this section, we present brief overviews of a few illustrative theories from different.Computer simulation is spreading in the field of scientific research. by examining the functions that simulation can carry out in the studies of sociologists .Simulation is introduced in terms of its different forms and uses, but the focus on . in Social and Administrative Science--Overviews and Case-Examples.

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