

Decision-Making Process

Risely



Decision Making About Decision Making Metamodels And Metasystems

**Camison, Cesar,Palacios,
Daniel,Garrigos, Fernando,Devece,
Carlos**

Decision Making About Decision Making Metamodels And Metasystems:

System Design Modeling and Metamodeling John P. van Gigch, 2013-06-29 This book is a venture in the worlds of modeling and of metamodeling At this point I will not reveal to readers what constitutes metamodeling Suffice it to say that the pitfalls and shortcomings of modeling can be cured only if we resort to a higher level of inquiry called metainquiry and metadesign We reach this level by the process of abstraction The book contains five chapters from my previous work *Applied General Systems Theory* Harper and Row London and New York First Edition 1974 Second Edition 1978 More than ten years after its publication this material still appears relevant to the main thrust of system design This book is dedicated to all those who are involved in changing the world for the better In a way we all are involved in system design from the city manager who struggles with the problems of mass transportation or the consolidation of a city and its suburbs to the social worker who tries to provide benefits to the urban poor It includes the engineer who designs the shuttle rockets It involves the politician engaged in drafting a bill to recycle containers or one to prevent pesticide contamination of our food The politician might even need system design to chart his or her own re election campaign

Decision Making about Decision Making John P. Van Gigch, 1987

Decision-Making Support Systems: Achievements and Challenges for the New Decade

Mora, Manuel, Forgie, Guisseppi A., Gupta, Jatinder N. D., 2002-07-01 Annotation The book presents state of the art knowledge about decision making support systems DMSS Its main goals are to provide a compendium of quality chapters on decision making support systems that help diffuse scarce knowledge about effective methods and strategies for successfully designing developing implementing and evaluating decision making support systems and to create an awareness among readers about the relevance of decision making support systems in the current complex and dynamic management environment

Metadecisions John P. van Gigch, 2012-12-06 Metadecisions Rehabilitating Epistemology constitutes an epistemological inquiry about the foundations of knowledge of a scientific discipline This text warns contemporary scientific disciplines that neglecting epistemological issues threatens the viability of their pronouncements and designs It shows that the processes by which complex artefacts are created require a pluralistic approach to artefact design It argues that viable solutions to fundamental problems in each discipline require cooperation creativity and respect for contributions from all walks of life all levels of logic and all standards of rigor be they in the natural sciences the social sciences engineering sciences management the law or political sciences Several true cases obtained from different walks of life are used to illustrate logic levels in problems and how the application of the process of modeling metamodeling helps to conceptualize problem dysfunctions and to convert decisions into metadecisions Ten cases spanning subjects like Doctor Assisted Suicides DASs Advising Women on The Risks of Mammograms a Deregulation Crusade The Crash of TWA Flight 800 The Control of The World Wide Web The Creation of the US Department of Homeland Security among others are used to illustrate the application of the metasystem framework to increase knowledge and meaning of fundamental problems The design of any

human activity requires the intervention of several inquiring systems where the manager the engineer the scientist the lawyer the epistemologist the ethicist and even the artist contribute to shape how problems in the real world are formulated how decisions metadecisions to solve problems are taken and finally how actions are implemented

Comprehensive Systems Design: A New Educational Technology Charles Reigeluth, Bela H. Banathy, J.R. Olson, 1993-08-11 Educational technology in the broadest sense is knowledge and competence for improving the educational process for using hardware equipment software methods and underware underlying organizational structures This volume in the Special Programme on Advanced Educational Technology presents the results of a NATO Advanced Research Workshop on educational systems design as a new educational technology The objective of the workshop was to advance our knowledge about the comprehensive systems design approach for improving educational systems The workshop was organized for the transdisciplinary interaction of three scientific groups representing design science organizational systems science and educational technology Participants were selected based on their scholarship as members of one or more of these three groups The book opens with the framing papers sent by the editors to participants prior to the workshop then presents five sets of thematic contributions the conceptual and empirical contexts of comprehensive systems design the systems design focus a systems view of designing educational systems the educational context of systems design and high technology focus in systems design

SSM/VSM UNDER A COMPLEX SYSTEMS FRAMEWORK MARTHA PATRICIA LOPEZ GARZA, 2012-04-26 At the present time there is a global tendency to take an integral or holistic approach to the business management This paper deals with the evolution of two systems approaches the first one is a methodology for the change Soft Systems Methodology SSM and the second one is a model the Viable System Model VSM both systemic approaches are analyzed from its origins within the classical systems theory to its evolution within the complex systems theory New visions and concepts are included in a new version of those approaches a new vision of SSM is developed and the Multiprocesses Management Viable Systems Model named Virtual VSM is also developed The result is a contemporary vision of a systemic methodology and a systemic model that is in homeostasis with time technology organizations and fundamentally with the human being This is a contribution to systems sciences and management sciences that should help in the development of a new systems vision for understanding the organizational complexity of our times

Critical Systems Thinking and the Management of Complexity Michael C. Jackson, 2019-04-08 From the winner of the INCOSE Pioneer Award 2022 The world has become increasingly networked and unpredictable Decision makers at all levels are required to manage the consequences of complexity every day They must deal with problems that arise unexpectedly generate uncertainty are characterised by interconnectivity and spread across traditional boundaries Simple solutions to complex problems are usually inadequate and risk exacerbating the original issues Leaders of international bodies such as the UN OECD UNESCO and WHO and of major business public sector charitable and professional organizations have all declared that systems thinking is

an essential leadership skill for managing the complexity of the economic social and environmental issues that confront decision makers Systems thinking must be implemented more generally and on a wider scale to address these issues An evaluation of different systems methodologies suggests that they concentrate on different aspects of complexity To be in the best position to deal with complexity decision makers must understand the strengths and weaknesses of the various approaches and learn how to employ them in combination This is called critical systems thinking Making use of over 25 case studies the book offers an account of the development of systems thinking and of major efforts to apply the approach in real world interventions Further it encourages the widespread use of critical systems practice as a means of ensuring responsible leadership in a complex world The INCOSE Pioneer Award is presented to someone who by their achievements in the engineering of systems has contributed uniquely to major products or outcomes enhancing society or meeting its needs The criteria may apply to a single outstanding outcome or a lifetime of significant achievements in effecting successful systems Comments on a previous version of the book Russ Ackoff the book is the best overview of the field I have seen JP van Gogh Jackson does a masterful job The book is lucid well written and eminently readable Professional Manager Journal of the Chartered Management Institute Provides an excellent guide and introduction to systems thinking for students of management

Introduction to Logic for Systems Modelling Václav Pinkava,1988 **Proceedings of the International Conference on Mental Images, Values, & Reality** August W. Smith,Society for General Systems Research,1986 **Liberating Systems Theory** Robert L. Flood,2013-06-29 Contemporary Systems Thinking is a series of

texts each of which deals comparatively and or critically with different aspects of holistic thinking at the frontiers of the discipline Traditionally writings by systems thinkers have been concerned with single theme propositions such as General Systems Theory Cybernetics Operations Research System Dynamics Soft Systems Methodology and many others Recently there have been attempts to fulfil a different yet equally important role by comparative analyses of viewpoints and approaches each addressing disparate areas of study such as modeling and simulation measurement management problem solving methods international relations social theory and last but not exhaustively or least philosophy In a recent book these were drawn together within a multiform framework as part of an eclectic discussion a nearly impossible task as I discovered see Dealing With Complexity An Introduction to the Theory and Application of Systems Science R L Flood and E R Carson Plenum New York 1988 Nevertheless bringing many sources together led to several achievements among which was showing a great diversity of approaches ideas and application areas that systems thinking contributes to although often with difficulties remaining unresolved More important however while working on that manuscript I became aware of the need for and potential value in a series of books each focusing in detail on the study areas mentioned above Organization,

Management, and Expert Systems Michael Masuch,2018-02-19 No detailed description available for Organization

Management and Expert Systems **Knowledge Representation in Medicine and Clinical Behavioural Science**

Ladislav Kohout, Wyllis Bandler, 1986 *General System Theory* Anatol Rapoport, 1986 **Interactive Distributed Multimedia Systems and Telecommunication Services** Hans Scholten, Marten J. van Sinderen, 2003-07-31 The first International Workshop on Interactive Distributed Multimedia Systems and Telecommunication Services IDMS was organized by Prof K Rothermel and Prof W Effelsberg and took place in Stuttgart in 1992 It had the form of a national forum for discussion on multimedia issues related to communications The succeeding event was attached as a workshop to the German Computer Science Conference GI Jahrestagung in 1994 in Hamburg organized by Prof W Lamersdorf The chairs of the third IDMS E Moeller and B Butscher enhanced the event to become a very successful international meeting in Berlin in March 1996 This short overview on the first three IDMS events is taken from the preface of the IDMS 97 proceedings published by Springer as Lecture Notes in Computer Science Volume 1309 written by Ralf Steinmetz and Lars Wolf Both Ralf Steinmetz as general chair and Lars Wolf as program chair of IDMS 97 organized an excellent international IDMS in Darmstadt Since 1998 IDMS has moved from Germany to other European cities to emphasize the international character it had gained in the previous years IDMS 98 was organized in Oslo by Vera Goebel and Thomas Plagemann at UniK Center for Technology at Kjeller University of Oslo Michel Diaz Phillipe Owezarski and Patrick S nac successfully organized the sixth IDMS event again outside Germany IDMS 99 took place in Toulouse at ENSICA IDMS 2000 continued the tradition and was hosted in Enschede the Netherlands *Organizational Analysis as Deconstructive Practice* Robert Chia, 2014-02-28 No detailed description available for Organizational Analysis as Deconstructive Practice *The Changing Organization* Kaijun Guo, Maurice Yolles, Gerhard Fink, Paul Iles, 2016-11-10 The book is designed for academics and graduate students in organization theory social theory cybernetics cross cultural theory and systems theory It examines social collectives and organisation culture presenting a theoretical framework capable of improving our understanding and anticipation of its patterns of behaviour **The Performance of Social Systems** Francisco Parra-Luna, 2012-12-06 It can be said that the concept of performance of social systems is one of the most relevant since all social systems from the family through the enterprise to the Nation state are only interesting in obtaining as high a performance as possible The difficulties encountered when dealing with the concept of performance have been recognized and few books until now ventured to tackle the task mainly because of the following three big problems the lack of a theoretical operational model the lack of valid data and the lack of computer facilities Today these obstacles have been overcome and this is the first book based on different systemic perspectives value theory modelling observation and quantification which offers the possibility of defining and working out the concept The book should be of great interest to sociologists political scientists economists organizational theorists managers and politicians **Connectivity and Knowledge Management in Virtual Organizations: Networking and Developing Interactive Communications** Camison, Cesar, Palacios, Daniel, Garrigos, Fernando, Devece, Carlos, 2008-10-31 This book analyzes different types of virtual communities proposing Knowledge Management as a solid theoretical ground for

approaching their management Provided by publisher **Biomedical Systems Analysis Via Compartmental Concept**
Reginald Frederick Brown,1985 **International Encyclopedia of Systems and Cybernetics** Charles
François,2011-12-07 No detailed description available for International Encyclopedia of Systems and Cybernetics

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accordingly viscosity has no effect in static problems and exact analytical solutions to such

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web chapter 2 pressure and fluid statics pressure for a static fluid the only stress is the normal stress since by definition a fluid subjected to a shear stress must deform and undergo motion normal stresses are referred to as pressure p for the general case the stress on a fluid element or at a point is a tensor for a static fluid

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web a water manometer used to measure pressure in the spinal fluid the height of the fluid in the manometer is measured relative to the spinal column and the manometer is open to the atmosphere the measured pressure will be considerably greater if the person sits up solution a 13 6 m water b 76 5 cm water 115

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web these concepts are key to the solution of problems in fluid statics and lead to the following two points at the same depth in a static fluid have the same pressure the orientation of a surface has no bearing on the pressure at a point in a static fluid vertical depth is a key dimension in determining pressure change in a static fluid

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