Gain Competitive Advantage By Managing Complexity

DOWNLOAD HERE

1;TABLE OF CONTENTS;6 2;FOREWORD;11 3;ORGANIZING COMMITTEE;13 4;PART I APPLICATION OF MATRIXMETHODOLOGY;15 4.1;FORMATION OF THE DSM INDUSTRY SPECIAL INTEREST GROUP (DSMISIG);17 4.2;DSM BASED KNOWLEDGE CONFIGURATION METHODOLOGY;31 4.3;WELDING PROCESS ANALYSIS USING LITERATURE BASED DESIGN STRUCTURE MATRIX;45 4.4;DESIGN FOR ADAPTABILITY SUPPORT OF UPGRADE STRATEGIES TO REACT TO EVOLVING STAKEHOLDER NEEDS AND REQUIREMENTS;57 4.5;MDM-BASED REPRESENTATION OF REQUIREMENT/FUNCTION RELATION IN THE SOUND DESIGN FOR CONSUMER ELECTRONICS;67 4.6;VALUE AND WASTE DEPENDENCIES AND GUIDELINES;79 4.7;FLEXIBILITY ANALYSIS OF A SUPPLY CHAIN USING DESIGN STRUCTURE MATRIX;93 5;PART II MODELLING APPROACHES ANDINFORMATION ACQUISITION;103 5.1;CONDITIONAL DSM;105 5.2;FINDING PARAMETER CONSTRAINT NETWORKS IN A PRODUCT SYSTEM;115 5.3;A PORT-BASED APPROACH FOR MODELING THE STRUCTURE OF MECHATRONIC MODULES;125 5.4;EFFECIVE & EFFICIENT DSM CONFIGURATION GUIDELINES FOR LOW-COST DEVELOPMENT OF COMPLEX SYSTEMS;139 5.5;GENERATING A NETWORK OF INFORMATION DEPENDENCIES AUTOMATICALLY;153 6;PART III SYSTEM ARCHITECTURES;167 6.1;A MATRIX-BASED APPROACH FOR A QUALITATIVE ASSESSMENT OF SYSTEM ARCHITECTURE SPECIFIC PROCESSES REGARDING EFFICIENCY;169 6.2;FUNCTIONAL STRUCTURE BASEDCHANGE ASSESSMENT IN PRODUCT DESIGN;181 6.3;STRUCTURAL COMPLEXITY METRIC FORENGINEERED COMPLEX SYSTEMS AND ITSAPPLICATION;195 7;PART IV PROJECT AND PROCESSMANAGEMENT;207 7.1;HANDLING A DESIGN STRUCTURE MATRIX BASED ON FUZZY DATA;209 7.2;MANAGEMENT OF RELATIONSHIPS BETWEEN PRODUCT INFORMATION ON MODEL BASED DESIGN PROCESS;225 7.3;USING DSM FOR EXTRACTING AND ANALYZING THE UNDERLYING PROBLEMS OF OUR PROJECTS;239 7.4;INTEGRATED MODELLING OF PRODUCT- AND PROCESS-RELATED INFORMATION;253 7.5;A DSM-BASED 2.0 SYSTEM FOR HUMAN INTERVENTION PLANNING AND SCHEDULING IN FACILITIES EMITTING IONIZING

RADIATIONS;267 7.6;DESIGNING INTEROPERABLE LEAN, AGILE, RESILIENT AND GREEN INDUSTRIAL ECOSYSTEMS;277 7.7;INTERPLAY BETWEEN PRODUCT ARCHITECTURE AND ORGANIZATIONAL STRUCTURE;289 8;PART V SOFTWARE ENGINEERING;303 8.1;ARCHITECTURE MIGRATION USING DSM IN A LARGE-SCALE SOFTWARE PROJECT;305 8.2;A NEW APPROACH TO COMPONENT REUSE IN MULTI-SOFTWARE DEVELOPMENT PROJECT MANAGEMENT BY USING AN INFORMATIONCENTRIC PROJECT MODEL;315 9;PART VI CIVIL ENGINEERING;329 9.1;ANALYSING PROCESS-ORIENTED BIM EXECUTION PLAN USING MDM;343 9.2;CREATING DYNAMIC ORGANIZATIONAL MODULARITY IN LEAN CONSTRUCTION DESIGN COMBINING MDM AND DSM METHODOLOGY SYSTEMATICALLY;357 9.3;CLASSIFYING COMPONENTS BASED ON CHANGE PROPAGATION POTENTIAL;331 10;PART VII MANAGEMENT OF ENGINEERING DESIGN PROJECTS;371 10.1;AN ONTOLOGY-REPRESENTATION OF THE INTEGRATED PRODUCT ENGINEERING MODEL;373 10.2;DEPENDENCY STRUCTURE MATRIX MODELLINGFOR HUMAN RESOURCE ALLOCATION;385 10.3;STABILITY OF COLLABORATIVE R&D NETWORKS: A SIMULATION STUDY;399 10.4;THE PREDICTION OF ERRATIC STATES IN PRODUCT DEVELOPMENT;415 10.5;MODELING OF COOPERATIVE WORK IN CONCURRENT ENGINEERING PROJECTS BASED ON EXTENDED WORK TRANSFORMATION MATRICES WITH HIDDEN STATE VARIABLES;425 10.6;SIMULATION OF PRODUCT CHANGE EFFECTS BASED ON DESIGN STRUCTURE AND DOMAIN MAPPING MATRICES;437 10.7;INCREASING VALUE IN DEVELOPMENT PROJECTS USING DOMAIN MAPPING MATRIX;451 11;PART VIII COMPLEX PROBLEM SOLVING;461 11.1;THE EXPLAINER AND ITS USE IN ENGINEERING;463 12;PART I CONTINUATION;475 12.1;A CONCEPTUAL APPROACH TO IMPROVE CONFIGURATION OF A PROLONGED MANNED MISSION SPACECRAFT BASED ON DSM;477 13;AUTHOR INDEX;487 14;KEYWORD INDEX;489 EAN/ISBN : 9783446434127 Publisher(s): Hanser Fachbuchverlag Discussed keywords: Strukturmodellierung Format: ePub/PDF Author(s): Onishi, Moritoyo - Maurer, Maik - Kirner, Katharina

DOWNLOAD HERE

Similar manuals:

Gain Competitive Advantage By Managing Complexity