

CONTENTS

Piotr ŁEBKOWSKI
FOREWORD 5

Part I. PRODUCTION SCHEDULING AND PROJECT MANAGEMENT

Jan WEREWKA, Piotr SZWED, Grzegorz ROGUS
INTEGRATION OF CLASSICAL AND AGILE PROJECT MANAGEMENT
METHODOLOGIES BASED ON ONTOLOGICAL MODELS 7

Marcin KLIMEK, Piotr ŁEBKOWSKI
BUFFER ALLOCATION ALGORITHM FOR SCHEDULING OF A PROJECT
WITH PREDEFINED MILESTONES 29

Wojciech BOŻEJKO, Mieczysław WODECKI
A SURVEY OF METAHEURISTICS PARALLIZATION METHODOLOGY 45

Wojciech BOŻEJKO, Mariusz UCHROŃSKI, Mieczysław WODECKI
THE FLEXIBLE JOB SHOP PROBLEM SOLVING PARALLEL ALGORITHMS 61

Part II. BUSINESS PROCESS MODELLING

Bartłomiej GAWEL, Iwona SKALNA, Stanisław JĘDRUSIK
CLASSIFICATION OF BUSINESS RULE MODELING LANGUAGES 79

Andrzej JARDZIOCH, Marta KIRKOWSKA
COMPUTER-AIDED BUSINESS PROCESS MODELLING USING THE IDEF NOTATION .. 103

Radosław KLIMEK, Paweł SKRZYŃSKI
BUSINESS PROCESS FORMAL VERIFICATION APPROACH
BASED ON DEDUCTIVE REASONING 115

Paweł SKRZYŃSKI, Tadeusz SZUBA, Stanisław SZYDŁO
AGENT-BASED MARKET SIMULATION USING COLLECTIVE INTELLIGENCE
COMPUTATIONAL MODEL 127

Bogusław BIEDA

THE OVERVIEW OF A STOCHASTIC APPROACH FOR LIFE CYCLE ASSESSMENT (LCA)
FOR MITTAL STEEL POLAND S.A. – A CASE STUDY OF A KRAKÓW POWER PLANT . . . 137

Małgorzata PAŃKOWSKA

INNOVATIONS ON THE IT PRODUCT MARKET 153

Part III. FINANCIAL ASPECTS OF ENTERPRISE OPERATION

Alina DYDUCH

USEFULNESS OF CORPORATE FINANCIAL REPORT FOR INVESTORS 169

Karolina KOSTRZEWA, Andrzej OKNIŃSKI, Bogusław RADZISZEWSKI

DATA ENVELOPMENT ANALYSIS WITHOUT INPUT OR OUTPUT 185

Justyna DYDUCH

CONSEQUENCES OF APPLYING EMISSION ALLOWANCES FOR THE OPERATION
OF POWER PLANTS IN POLAND 199

Agnieszka HERDAN

DIRECTORS REMUNERATION AND COMPANIES' PERFORMANCE THE COMPARISON
ON LISTED COMPANIES IN POLAND AND UK 215