

Portfolio Theory Of Information Retrieval

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SOCIAL INFORMATICS - LUCA MARIA AIELLO 2014-11-06
THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON SOCIAL INFORMATICS, SocINFO 2014, HELD IN BARCELONA, SPAIN, IN NOVEMBER 2014. THE 28 FULL PAPERS AND 14 SHORT PAPERS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM 147 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS SUCH AS NETWORK, COMMUNITIES, AND CROWDS; INTERPERSONAL LINKS AND GENDER BIASES; NEWS, CREDIBILITY, AND OPINION FORMATION; SCIENCE AND TECHNOLOGIES; ORGANIZATIONS, SOCIETY AND SOCIAL GOOD.

INFORMATION RETRIEVAL TECHNOLOGY
- PU-JEN CHENG 2010-11-16
THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 6TH ASIA INFORMATION RETRIEVAL SYMPOSIUM, AIRS 2010, HELD IN TAIPEI, TAIWAN, IN DECEMBER 2010. THE 26 REVISED FULL PAPERS AND 31 REVISED POSTER PAPERS PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 120 SUBMISSIONS. ALL CURRENT ASPECTS OF INFORMATION RETRIEVAL - IN THEORY AND PRACTICE - ARE ADDRESSED; THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON INFORMATION RETRIEVAL MODELS, MACHINE LEARNING FOR INFORMATION RETRIEVAL, USER STUDIES AND EVALUATION, NATURAL LANGUAGE PROCESSING FOR

INFORMATION RETRIEVAL, WEB AND QUESTION ANSWERING, AND MULTIMEDIA.

COLLABORATIVE RECOMMENDATIONS: ALGORITHMS, PRACTICAL CHALLENGES AND APPLICATIONS - SHLOMO BERKOVSKY 2018-11-30

RECOMMENDER SYSTEMS ARE VERY POPULAR NOWADAYS, AS BOTH AN ACADEMIC RESEARCH FIELD AND SERVICES PROVIDED BY NUMEROUS COMPANIES FOR E-COMMERCE, MULTIMEDIA AND WEB CONTENT. COLLABORATIVE-BASED METHODS HAVE BEEN THE FOCUS OF RECOMMENDER SYSTEMS RESEARCH FOR MORE THAN TWO DECADES. THE UNIQUE FEATURE OF THE COMPENDIUM IS THE TECHNICAL DETAILS OF COLLABORATIVE RECOMMENDERS. THE BOOK CHAPTERS INCLUDE ALGORITHM IMPLEMENTATIONS, ELABORATE ON PRACTICAL ISSUES FACED WHEN DEPLOYING THESE ALGORITHMS IN LARGE-SCALE SYSTEMS, DESCRIBE VARIOUS OPTIMIZATIONS AND DECISIONS MADE, AND LIST PARAMETERS OF THE ALGORITHMS. THIS MUST-HAVE TITLE IS A USEFUL REFERENCE MATERIALS FOR RESEARCHERS, IT PROFESSIONALS AND THOSE KEEN TO INCORPORATE RECOMMENDATION TECHNOLOGIES INTO THEIR SYSTEMS AND SERVICES.

WEB-AGE INFORMATION MANAGEMENT - FEIFEI LI 2014-06-14

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON WEB-AGE INFORMATION MANAGEMENT, WAIM 2014, HELD IN MACAU, CHINA,

IN JUNE 2014. THE 48 REVISED FULL PAPERS PRESENTED TOGETHER WITH 35 SHORT PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM NUMEROUS SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON INFORMATION RETRIEVAL; RECOMMENDER SYSTEMS; QUERY PROCESSING AND OPTIMIZATION; DATA MINING; DATA AND INFORMATION QUALITY; INFORMATION EXTRACTION; MOBILE AND PERVASIVE COMPUTING; STREAM, TIME-SERIES; SECURITY AND PRIVACY; SEMANTIC WEB; CLOUD COMPUTING; NEW HARDWARE; CROWDSOURCING; SOCIAL COMPUTING. *ADVANCES IN INFORMATION RETRIEVAL THEORY* - GIAMBATTISTA AMATI 2011-09-08

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON THE THEORY OF INFORMATION RETRIEVAL, ICTIR 2011, HELD IN BERTINORO, ITALY, IN SEPTEMBER 2011. THE 25 REVISED FULL PAPERS AND 13 SHORT PAPERS PRESENTED TOGETHER WITH THE ABSTRACTS OF TWO INVITED TALKS WERE CAREFULLY REVIEWED AND SELECTED FROM 65 SUBMISSIONS. THE PAPERS COVER TOPICS RANGING FROM QUERY EXPANSION, CO-OCCURENCE ANALYSIS, USER AND INTERACTIVE MODELLING, SYSTEM PERFORMANCE PREDICTION AND COMPARISON, AND PROBABILISTIC APPROACHES FOR RANKING AND MODELLING IR TO TOPICS RELATED TO INTERDISCIPLINARY APPROACHES OR APPLICATIONS. THEY ARE ORGANIZED INTO THE FOLLOWING

TOPICAL SECTIONS: PREDICTING QUERY PERFORMANCE; LATENT SEMANTIC ANALYSIS AND WORD CO-OCCURRENCE ANALYSIS; QUERY EXPANSION AND RE-RANKING; COMPARISON OF INFORMATION RETRIEVAL SYSTEMS AND APPROXIMATE SEARCH; PROBABILITY RANKING PRINCIPLE AND ALTERNATIVES; INTERDISCIPLINARY APPROACHES; USER AND RELEVANCE; RESULT DIVERSIFICATION AND QUERY DISAMBIGUATION; AND LOGICAL OPERATORS AND DESCRIPTIVE APPROACHES.

INTERNET+ AND ELECTRONIC BUSINESS IN CHINA - QIONGWEI YE
2017-12-12

INTERNET + AND ELECTRONIC BUSINESS IN CHINA IS A COMPREHENSIVE RESOURCE THAT PROVIDES INSIGHTS AND ANALYSIS INTO HOW E-COMMERCE HAS REVOLUTIONIZED AND CONTINUES TO REVOLUTIONIZE BUSINESS AND SOCIETY IN CHINA.

MOBILE INFORMATION RETRIEVAL - FABIO CRESTANI
2017-07-19

THIS BOOK OFFERS A HELPFUL STARTING POINT IN THE SCATTERED, RICH, AND COMPLEX BODY OF LITERATURE ON MOBILE INFORMATION RETRIEVAL (MOBILE IR), REVIEWING MORE THAN 200 PAPERS IN NINE CHAPTERS. HIGHLIGHTING THE MOST INTERESTING AND INFLUENTIAL CONTRIBUTIONS THAT HAVE APPEARED IN RECENT YEARS, IT PARTICULARLY FOCUSES ON BOTH USER INTERACTION AND TECHNIQUES FOR THE PERCEPTION AND USE OF CONTEXT, WHICH, TAKEN TOGETHER, SHAPE MUCH OF TODAY'S

RESEARCH ON MOBILE IR. THE BOOK STARTS BY ADDRESSING THE DIFFERENCES BETWEEN IR AND MOBILE IR, WHILE ALSO REVIEWING THE FOUNDATIONS OF MOBILE IR RESEARCH. IT THEN EXAMINES THE DIFFERENT KINDS OF DOCUMENTS, USERS, AND INFORMATION NEEDS THAT CAN BE FOUND IN MOBILE IR, AND WHICH SET IT APART FROM STANDARD IR. NEXT, IT DISCUSSES THE TWO IMPORTANT ISSUES OF USER INTERFACES AND CONTEXT-AWARENESS. IN CLOSING, IT COVERS ISSUES RELATED TO THE EVALUATION OF MOBILE IR APPLICATIONS. OVERALL, THE BOOK OFFERS A VALUABLE TOOL, HELPING NEW AND VETERAN RESEARCHERS ALIKE TO NAVIGATE THIS EXCITING AND HIGHLY DYNAMIC AREA OF RESEARCH.

INFORMATION SYSTEMS THEORY - YOGESH K. DWIVEDI
2011-09-20

THE OVERALL MISSION OF THIS BOOK IS TO PROVIDE A COMPREHENSIVE UNDERSTANDING AND COVERAGE OF THE VARIOUS THEORIES AND MODELS USED IN IS RESEARCH. SPECIFICALLY, IT AIMS TO FOCUS ON THE FOLLOWING KEY OBJECTIVES: TO DESCRIBE THE VARIOUS THEORIES AND MODELS APPLICABLE TO STUDYING IS/IT MANAGEMENT ISSUES. TO OUTLINE AND DESCRIBE, FOR EACH OF THE VARIOUS THEORIES AND MODELS, INDEPENDENT AND DEPENDENT CONSTRUCTS, REFERENCE DISCIPLINE/ORIGINATING AREA, ORIGINATING AUTHOR(S), SEMINAL ARTICLES, LEVEL OF ANALYSIS (I.E. FIRM, INDIVIDUAL, INDUSTRY) AND LINKS WITH OTHER THEORIES. TO PROVIDE A

CRITICAL REVIEW/META-ANALYSIS OF IS/IT MANAGEMENT ARTICLES THAT HAVE USED A PARTICULAR THEORY/MODEL. TO DISCUSS HOW A THEORY CAN BE USED TO BETTER UNDERSTAND HOW INFORMATION SYSTEMS CAN BE EFFECTIVELY DEPLOYED IN TODAY'S DIGITAL WORLD. THIS BOOK CONTRIBUTES TO OUR UNDERSTANDING OF A NUMBER OF THEORIES AND MODELS. THE THEORETICAL CONTRIBUTION OF THIS BOOK IS THAT IT ANALYZES AND SYNTHESIZES THE RELEVANT LITERATURE IN ORDER TO ENHANCE KNOWLEDGE OF IS THEORIES AND MODELS FROM VARIOUS PERSPECTIVES. TO CATER TO THE INFORMATION NEEDS OF A DIVERSE SPECTRUM OF READERS, THIS BOOK IS STRUCTURED INTO TWO VOLUMES, WITH EACH VOLUME FURTHER BROKEN DOWN INTO TWO SECTIONS. THE FIRST SECTION OF VOLUME 1 PRESENTS DETAILED DESCRIPTIONS OF A SET OF THEORIES CENTERED AROUND THE IS LIFECYCLE, INCLUDING THE SUCCESS MODEL, TECHNOLOGY ACCEPTANCE MODEL, USER RESISTANCE THEORIES, AND FOUR OTHERS. THE SECOND SECTION OF VOLUME 1 CONTAINS STRATEGIC AND ECONOMIC THEORIES, INCLUDING A RESOURCE-BASED VIEW, THEORY OF SLACK RESOURCES, PORTFOLIO THEORY, DISCREPANCY THEORY MODELS, AND ELEVEN OTHERS. THE FIRST SECTION OF VOLUME 2 CONCERNS SOCIO-PSYCHOLOGICAL THEORIES. THESE INCLUDE PERSONAL CONSTRUCT THEORY, PSYCHOLOGICAL OWNERSHIP, TRANSACTIVE MEMORY,

LANGUAGE-ACTION APPROACH, AND NINE OTHERS. THE SECOND SECTION OF VOLUME 2 DEALS WITH METHODOLOGICAL THEORIES, INCLUDING CRITICAL REALISM, GROUNDED THEORY, NARRATIVE INQUIRY, WORK SYSTEM METHOD, AND FOUR OTHERS. TOGETHER, THESE THEORIES PROVIDE A RICH TAPESTRY OF KNOWLEDGE AROUND THE USE OF THEORY IN IS RESEARCH. SINCE MOST OF THESE THEORIES ARE FROM CONTRIBUTING DISCIPLINES, THEY PROVIDE A WINDOW INTO THE WORLD OF EXTERNAL THOUGHT LEADERSHIP. IMAGECLEF - HENNING M[?] LLER 2010-08-20 THE PERVERSIVE CREATION AND CONSUMPTION OF CONTENT, ESPECIALLY VISUAL CONTENT, IS INGRAINED INTO OUR MODERN WORLD. WE'RE CONSTANTLY CONSUMING VISUAL MEDIA CONTENT, IN PRINTED FORM AND IN DIGITAL FORM, IN WORK AND IN LEISURE PURSUITS. LIKE OUR CAVE- MAN FOREFATHERS, WE USE PICTURES TO RECORD THINGS WHICH ARE OF IMPORTANCE TO US AS MEMORY CUES FOR THE FUTURE, BUT NOWADAYS WE ALSO USE PICTURES AND IMAGES TO DOCUMENT PROCESSES; WE USE THEM IN ENGINEERING, IN ART, IN SCIENCE, IN MEDICINE, IN ENTERTAINMENT AND WE ALSO USE IMAGES IN ADVERTISING. MOREOVER, WHEN IMAGES ARE IN DIGITAL FORMAT, EITHER SCANNED FROM AN ANALOGUE FORMAT OR MORE OFTEN THAN NOT BORN DIGITAL, WE CAN USE THE POWER OF OUR COMPUTING AND NETWORKING TO EXPLOIT IMAGES TO GREAT EFFECT. MOST OF THE

TECHNICAL PROBLEMS ASSOCIATED WITH CREATING, COMPRESSING, STORING, TRANSMITTING, RENDERING AND PROTECTING IMAGE DATA ARE ALREADY SOLVED. WE USE ACCEPTED STANDARDS AND HAVE TREMENDOUS INFRASTRUCTURE AND THE ONLY OUTSTANDING CHALLENGES, APART FROM MANAGING THE SCALE ISSUES ASSOCIATED WITH GROWTH, ARE TO DO WITH LOCATING IMAGES. THAT INVOLVES ANALYSING THEM TO DETERMINE THEIR CONTENT, CLASSIFYING THEM INTO RELATED GROUPINGS, AND SEARCHING FOR IMAGES. TO OVERCOME THESE CHALLENGES WE CURRENTLY RELY ON IMAGE METADATA, THE DESCRIPTION OF THE IMAGES, EITHER CAPTURED AUTOMATICALLY AT CREATION TIME OR MANUALLY ADDED AFTERWARDS.

INFORMATION RETRIEVAL TECHNOLOGY

- FU LEE WANG 2020-02-26

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 15TH INFORMATION RETRIEVAL TECHNOLOGY CONFERENCE, AIRS 2019, HELD IN HONG KONG, CHINA, IN NOVEMBER 2019. THE 14 FULL PAPERS PRESENTED TOGETHER WITH 3 SHORT PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 27 SUBMISSIONS. THE SCOPE OF THE CONFERENCE COVERS APPLICATIONS, SYSTEMS, TECHNOLOGIES AND THEORY ASPECTS OF INFORMATION RETRIEVAL IN TEXT, AUDIO, IMAGE, VIDEO AND MULTIMEDIA DATA.

ACRN PROCEEDINGS IN FINANCE AND RISK SERIES '13

- DR. OTHMAR M. LEHNER 2014-03-06

PROCEEDINGS OF THE 14TH FRAP FINANCE, RISK AND ACCOUNTING PERSPECTIVES CONFERENCE TAKING PLACE IN CAMBRIDGE UK.

MULTILINGUAL ACCESS AND SERVICES FOR DIGITAL COLLECTIONS - JIANGPING CHEN 2016-01-18

WRITTEN FOR DIGITAL LIBRARY DEVELOPERS, LIBRARY AND INFORMATION SCIENCE GRADUATE STUDENTS, AND INFORMATION PROFESSIONALS SERVING INTERNATIONAL INFORMATION USERS, THIS BOOK DEFINES MULTILINGUAL INFORMATION ACCESS (MLIA) AND DISCUSSES THE IMPORTANCE OF ENABLING INTERNATIONAL USERS TO ACCESS DIGITAL COLLECTIONS. BASED ON A SYSTEMATIC REVIEW OF THE RESEARCH AND DEVELOPMENT CARRIED OUT ON CROSS-LANGUAGE INFORMATION RETRIEVAL, MACHINE TRANSLATION, AND CASE STUDIES OF CURRENT MULTILINGUAL DIGITAL LIBRARIES, THE AUTHOR CLEARLY EXPLAINS WHAT YOU NEED TO KNOW ABOUT TECHNOLOGIES FOR BUILDING MLIA FUNCTION FOR DIGITAL COLLECTIONS. THE BOOK LEADS YOU THROUGH AN EXAMINATION OF INTERNET LANGUAGE SERVICES AND TOOLS THAT ARE USEFUL FOR DEVELOPING MULTILINGUAL DIGITAL LIBRARIES AND FOR ASSISTING INTERNATIONAL USERS IN ACCESSING DIGITAL RESOURCES. CONTENT IS FURTHER CLARIFIED BY TWO RESEARCH PROJECTS THAT ARE PRESENTED TO DEMONSTRATE THE APPLICATION OF TECHNOLOGIES USED TO BUILD MLIA FUNCTIONS AND

MULTILINGUAL USER INTERFACES. THE BOOK CONCLUDES WITH POSSIBLE STRATEGIES FOR USING INTERNET LANGUAGE SERVICES AND TOOLS TO IMPLEMENT MLIA FUNCTION FOR DIGITAL COLLECTIONS.

ADVANCES IN INFORMATION RETRIEVAL

- MOHAND BOUGHANEM 2009-03-27
RANK, EXPERT SEARCH AND OPINION DETECTION.

DATA SCIENCE AND KNOWLEDGE ENGINEERING FOR SENSING DECISION SUPPORT - JUN LIU 2018-07-26

FLINS, ORIGINALLY AN ACRONYM FOR FUZZY LOGIC AND INTELLIGENT TECHNOLOGIES IN NUCLEAR SCIENCE, IS NOW EXTENDED TO INCLUDE COMPUTATIONAL INTELLIGENCE FOR APPLIED RESEARCH. THE CONTRIBUTIONS OF THE FLINS CONFERENCE COVER STATE-OF-THE-ART RESEARCH, DEVELOPMENT, AND TECHNOLOGY FOR COMPUTATIONAL INTELLIGENCE SYSTEMS, WITH SPECIAL FOCUSES ON DATA SCIENCE AND KNOWLEDGE ENGINEERING FOR SENSING DECISION SUPPORT, BOTH FROM THE FOUNDATIONS AND THE APPLICATIONS POINTS-OF-VIEW.

INFORMATION RETRIEVAL TECHNOLOGY

- GUIDO ZUCCON 2016-01-21
THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 11TH INFORMATION RETRIEVAL SOCIETIES CONFERENCE, AIRS 2015, HELD IN BRISBANE, QLD, AUSTRALIA, IN DECEMBER 2015. THE 29 FULL PAPERS PRESENTED TOGETHER WITH 11 SHORT AND DEMONSTRATION PAPERS, AND THE ABSTRACTS OF 2 KEYNOTE LECTURES

WERE CAREFULLY REVIEWED AND SELECTED FROM 92 SUBMISSIONS. THE FINAL PROGRAMME OF AIRS 2015 IS DIVIDED IN 10 TRACKS: EFFICIENCY, GRAPHS, KNOWLEDGE BASES AND TAXONOMIES, RECOMMENDATION, TWITTER AND SOCIAL MEDIA, WEB SEARCH, TEXT PROCESSING, UNDERSTANDING AND CATEGORIZATION, TOPICS AND MODELS, CLUSTERING, EVALUATION, AND SOCIAL MEDIA AND RECOMMENDATION.

INFORMATION SYSTEMS THEORY -

YOGESH K. DWIVEDI 2011-09-20

THE OVERALL MISSION OF THIS BOOK IS TO PROVIDE A COMPREHENSIVE UNDERSTANDING AND COVERAGE OF THE VARIOUS THEORIES AND MODELS USED IN IS RESEARCH. SPECIFICALLY, IT AIMS TO FOCUS ON THE FOLLOWING KEY OBJECTIVES: TO DESCRIBE THE VARIOUS THEORIES AND MODELS APPLICABLE TO STUDYING IS/IT MANAGEMENT ISSUES. TO OUTLINE AND DESCRIBE, FOR EACH OF THE VARIOUS THEORIES AND MODELS, INDEPENDENT AND DEPENDENT CONSTRUCTS, REFERENCE DISCIPLINE/ORIGINATING AREA, ORIGINATING AUTHOR(S), SEMINAL ARTICLES, LEVEL OF ANALYSIS (I.E. FIRM, INDIVIDUAL, INDUSTRY) AND LINKS WITH OTHER THEORIES. TO PROVIDE A CRITICAL REVIEW/META-ANALYSIS OF IS/IT MANAGEMENT ARTICLES THAT HAVE USED A PARTICULAR THEORY/MODEL. TO DISCUSS HOW A THEORY CAN BE USED TO BETTER UNDERSTAND HOW INFORMATION SYSTEMS CAN BE EFFECTIVELY DEPLOYED IN TODAY'S DIGITAL WORLD.

THIS BOOK CONTRIBUTES TO OUR UNDERSTANDING OF A NUMBER OF THEORIES AND MODELS. THE THEORETICAL CONTRIBUTION OF THIS BOOK IS THAT IT ANALYZES AND SYNTHESIZES THE RELEVANT LITERATURE IN ORDER TO ENHANCE KNOWLEDGE OF IS THEORIES AND MODELS FROM VARIOUS PERSPECTIVES. TO CATER TO THE INFORMATION NEEDS OF A DIVERSE SPECTRUM OF READERS, THIS BOOK IS STRUCTURED INTO TWO VOLUMES, WITH EACH VOLUME FURTHER BROKEN DOWN INTO TWO SECTIONS. THE FIRST SECTION OF VOLUME 1 PRESENTS DETAILED DESCRIPTIONS OF A SET OF THEORIES CENTERED AROUND THE IS LIFECYCLE, INCLUDING THE SUCCESS MODEL, TECHNOLOGY ACCEPTANCE MODEL, USER RESISTANCE THEORIES, AND FOUR OTHERS. THE SECOND SECTION OF VOLUME 1 CONTAINS STRATEGIC AND ECONOMIC THEORIES, INCLUDING A RESOURCE-BASED VIEW, THEORY OF SLACK RESOURCES, PORTFOLIO THEORY, DISCREPANCY THEORY MODELS, AND ELEVEN OTHERS. THE FIRST SECTION OF VOLUME 2 CONCERNS SOCIO-PSYCHOLOGICAL THEORIES. THESE INCLUDE PERSONAL CONSTRUCT THEORY, PSYCHOLOGICAL OWNERSHIP, TRANSACTIVE MEMORY, LANGUAGE-ACTION APPROACH, AND NINE OTHERS. THE SECOND SECTION OF VOLUME 2 DEALS WITH METHODOLOGICAL THEORIES, INCLUDING CRITICAL REALISM, GROUNDED THEORY, NARRATIVE INQUIRY, WORK SYSTEM METHOD, AND FOUR OTHERS. TOGETHER, THESE THEORIES PROVIDE A

RICH TAPESTRY OF KNOWLEDGE AROUND THE USE OF THEORY IN IS RESEARCH. SINCE MOST OF THESE THEORIES ARE FROM CONTRIBUTING DISCIPLINES, THEY PROVIDE A WINDOW INTO THE WORLD OF EXTERNAL THOUGHT LEADERSHIP.

ADVANCES IN INFORMATION RETRIEVAL
- PAUL CLOUGH 2011-04-06

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 33RD ANNUAL EUROPEAN CONFERENCE ON INFORMATION RETRIEVAL RESEARCH, ECIR 2011, HELD IN DUBLIN, IRELAND, IN APRIL 2010. THE 45 REVISED FULL PAPERS PRESENTED TOGETHER WITH 24 POSTER PAPERS, 17 SHORT PAPERS, AND 6 TOOL DEMONSTRATIONS WERE CAREFULLY REVIEWED AND SELECTED FROM 223 FULL RESEARCH PAPER SUBMISSIONS AND 64 POSTER/DEMO SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON TEXT CATEGORIZATION, RECOMMENDER SYSTEMS, WEB IR, IR EVALUATION, IR FOR SOCIAL NETWORKS, CROSS-LANGUAGE IR, IR THEORY, MULTIMEDIA IR, IR APPLICATIONS, INTERACTIVE IR, AND QUESTION ANSWERING /NLP.

DYNAMIC INFORMATION RETRIEVAL MODELING - GRACE HUI YANG
2022-05-31

BIG DATA AND HUMAN-COMPUTER INFORMATION RETRIEVAL (HCIR) ARE CHANGING IR. THEY CAPTURE THE DYNAMIC CHANGES IN THE DATA AND DYNAMIC INTERACTIONS OF USERS WITH IR SYSTEMS. A DYNAMIC SYSTEM IS ONE WHICH CHANGES OR ADAPTS OVER TIME OR A SEQUENCE OF EVENTS. MANY MODERN IR SYSTEMS AND DATA EXHIBIT

THESE CHARACTERISTICS WHICH ARE LARGELY IGNORED BY CONVENTIONAL TECHNIQUES. WHAT IS MISSING IS AN ABILITY FOR THE MODEL TO CHANGE OVER TIME AND BE RESPONSIVE TO STIMULUS. DOCUMENTS, RELEVANCE, USERS AND TASKS ALL EXHIBIT DYNAMIC BEHAVIOR THAT IS CAPTURED IN DATA SETS TYPICALLY COLLECTED OVER LONG TIME SPANS AND MODELS NEED TO RESPOND TO THESE CHANGES. ADDITIONALLY, THE SIZE OF MODERN DATASETS ENFORCES LIMITS ON THE AMOUNT OF LEARNING A SYSTEM CAN ACHIEVE. FURTHER TO THIS, ADVANCES IN IR INTERFACE, PERSONALIZATION AND AD DISPLAY DEMAND MODELS THAT CAN REACT TO USERS IN REAL TIME AND IN AN INTELLIGENT, CONTEXTUAL WAY. IN THIS BOOK WE PROVIDE A COMPREHENSIVE AND UP-TO-DATE INTRODUCTION TO DYNAMIC INFORMATION RETRIEVAL MODELING, THE STATISTICAL MODELING OF IR SYSTEMS THAT CAN ADAPT TO CHANGE. WE DEFINE DYNAMICS, WHAT IT MEANS WITHIN THE CONTEXT OF IR AND HIGHLIGHT EXAMPLES OF PROBLEMS WHERE DYNAMICS PLAY AN IMPORTANT ROLE. WE COVER TECHNIQUES RANGING FROM CLASSIC RELEVANCE FEEDBACK TO THE LATEST APPLICATIONS OF PARTIALLY OBSERVABLE MARKOV DECISION PROCESSES (POMDPs) AND A HANDFUL OF USEFUL ALGORITHMS AND TOOLS FOR SOLVING IR PROBLEMS INCORPORATING DYNAMICS. THE THEORETICAL COMPONENT IS BASED AROUND THE MARKOV DECISION PROCESS (MDP), A MATHEMATICAL

FRAMEWORK TAKEN FROM THE FIELD OF ARTIFICIAL INTELLIGENCE (AI) THAT ENABLES US TO CONSTRUCT MODELS THAT CHANGE ACCORDING TO SEQUENTIAL INPUTS. WE DEFINE THE FRAMEWORK AND THE ALGORITHMS COMMONLY USED TO OPTIMIZE OVER IT AND GENERALIZE IT TO THE CASE WHERE THE INPUTS AREN'T RELIABLE. WE EXPLORE THE TOPIC OF REINFORCEMENT LEARNING MORE BROADLY AND INTRODUCE ANOTHER TOOL KNOWN AS A MULTI-ARMED BANDIT WHICH IS USEFUL FOR CASES WHERE EXPLORING MODEL PARAMETERS IS BENEFICIAL. FOLLOWING THIS WE INTRODUCE THEORIES AND ALGORITHMS WHICH CAN BE USED TO INCORPORATE DYNAMICS INTO AN IR MODEL BEFORE PRESENTING AN ARRAY OF STATE-OF-THE-ART RESEARCH THAT ALREADY DOES, SUCH AS IN THE AREAS OF SESSION SEARCH AND ONLINE ADVERTISING. CHANGE IS AT THE HEART OF MODERN INFORMATION RETRIEVAL SYSTEMS AND THIS BOOK WILL HELP EQUIP THE READER WITH THE TOOLS AND KNOWLEDGE NEEDED TO UNDERSTAND DYNAMIC INFORMATION RETRIEVAL MODELING.

EMERGING TRENDS IN INTELLIGENT COMPUTING AND INFORMATICS - FAISAL SAEED 2019-11-01

THIS BOOK PRESENTS THE PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE OF RELIABLE INFORMATION AND COMMUNICATION TECHNOLOGY 2019 (IRICT 2019), WHICH WAS HELD IN PULAI SPRINGS RESORT, JOHOR, MALAYSIA, ON SEPTEMBER 22-23, 2019. FEATURING 109 PAPERS, THE

BOOK COVERS HOT TOPICS SUCH AS ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING, DATA SCIENCE AND BIG DATA ANALYTICS, INTERNET OF THINGS (IoT), INTELLIGENT COMMUNICATION SYSTEMS, ADVANCES IN INFORMATION SECURITY, ADVANCES IN INFORMATION SYSTEMS AND SOFTWARE ENGINEERING.

ADVANCES IN INFORMATION RETRIEVAL

- MATTHIAS HAGEN 2022-04-05

THIS TWO-VOLUME SET LNCS 13185 AND 13186 CONSTITUTES THE REFEREED PROCEEDINGS OF THE 44TH EUROPEAN CONFERENCE ON IR RESEARCH, ECIR 2022, HELD IN APRIL 2022, DUE TO THE COVID-19 PANDEMIC. THE 35 FULL PAPERS PRESENTED TOGETHER WITH 11 REPRODUCIBILITY PAPERS, 13 CLEF LAB DESCRIPTIONS PAPERS, 12 DOCTORAL CONSORTIUM PAPERS, 5 WORKSHOP ABSTRACTS, AND 4 TUTORIALS ABSTRACTS WERE CAREFULLY REVIEWED AND SELECTED FROM 395 SUBMISSIONS.

ADVANCES IN INFORMATION RETRIEVAL THEORY - LEIF AZZOPARDI

2009-08-31

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON THE THEORY OF INFORMATION RETRIEVAL, ICTIR 2009, HELD IN CAMBRIDGE, UK, IN SEPTEMBER 2009. THE 18 REVISED FULL PAPERS, 14 SHORT PAPERS, AND 11 POSTERS PRESENTED TOGETHER WITH ONE INVITED TALK WERE CAREFULLY REVIEWED AND SELECTED FROM 82 SUBMISSIONS. THE PAPERS ARE CATEGORIZED INTO FOUR MAIN

THEMES: NOVEL IR MODELS, EVALUATION, EFFICIENCY, AND NEW PERSPECTIVES IN IR. TWENTY-ONE PAPERS FALL INTO THE GENERAL THEME OF NOVEL IR MODELS, RANGING FROM VARIOUS RETRIEVAL MODELS, QUERY AND TERM SELECTION MODELS, WEB IR MODELS, DEVELOPMENTS IN NOVELTY AND DIVERSITY, TO THE MODELING OF USER ASPECTS. THERE ARE FOUR PAPERS ON NEW EVALUATION METHODOLOGIES, E.G., MODELING SCORE DISTRIBUTIONS, EVALUATION OVER SESSIONS, AND AN AXIOMATIC FRAMEWORK FOR XML RETRIEVAL EVALUATION. THREE PAPERS FOCUS ON THE ISSUE OF EFFICIENCY AND OFFER SOLUTIONS TO IMPROVE THE TRACTABILITY OF PAGERANK, DATA CLEANSING PRACTICES FOR TRAINING CLASSIFIERS, AND APPROXIMATE SEARCH FOR DISTRIBUTED IR. FINALLY, FOUR PAPERS LOOK INTO NEW PERSPECTIVES OF IR AND SHED LIGHT ON SOME NEW EMERGING AREAS OF INTEREST, SUCH AS THE APPLICATION AND ADOPTION OF QUANTUM THEORY IN IR.

POSTMODERN PORTFOLIO THEORY - JAMES MING CHEN 2016-07-26

THIS SURVEY OF PORTFOLIO THEORY, FROM ITS MODERN ORIGINS THROUGH MORE SOPHISTICATED, "POSTMODERN" INCARNATIONS, EVALUATES PORTFOLIO RISK ACCORDING TO THE FIRST FOUR MOMENTS OF ANY STATISTICAL DISTRIBUTION: MEAN, VARIANCE, SKEWNESS, AND EXCESS KURTOSIS. IN PURSUIT OF FINANCIAL MODELS THAT MORE ACCURATELY DESCRIBE ABNORMAL MARKETS AND INVESTOR PSYCHOLOGY,

THIS BOOK BIFURCATES BETA ON EITHER SIDE OF MEAN RETURNS. IT THEN EVALUATES THIS TRADITIONAL RISK MEASURE ACCORDING TO ITS RELATIVE VOLATILITY AND CORRELATION COMPONENTS. AFTER SPECIFYING A FOUR-MOMENT CAPITAL ASSET PRICING MODEL, THIS BOOK DEVOTES SPECIAL ATTENTION TO MEASURES OF MARKET RISK IN GLOBAL BANKING REGULATION. DESPITE THE DEFICIENCIES OF MODERN PORTFOLIO THEORY, CONTEMPORARY FINANCE CONTINUES TO REST ON MEAN-VARIANCE OPTIMIZATION AND THE TWO-MOMENT CAPITAL ASSET PRICING MODEL. THE TERM POSTMODERN PORTFOLIO THEORY CAPTURES MANY OF THE ADVANCES IN FINANCIAL LEARNING SINCE THE ORIGINAL ARTICULATION OF MODERN PORTFOLIO THEORY. A COMPREHENSIVE APPROACH TO FINANCIAL RISK MANAGEMENT MUST ADDRESS ALL ASPECTS OF PORTFOLIO THEORY, FROM THE BEAUTIFUL SYMMETRIES OF MODERN PORTFOLIO THEORY TO THE DISTURBING BEHAVIORAL INSIGHTS AND THE VASTLY EXPANDED MATHEMATICAL ARSENAL OF THE POSTMODERN CRITIQUE. MASTERY OF POSTMODERN PORTFOLIO THEORY'S QUANTITATIVE TOOLS AND BEHAVIORAL INSIGHTS HOLDS THE KEY TO THE EFFICIENT FRONTIER OF RISK MANAGEMENT.

INFORMATION SYSTEMS THEORY -

Yogesh K. Dwivedi 2011-09-21

THE OVERALL MISSION OF THIS BOOK IS TO PROVIDE A COMPREHENSIVE UNDERSTANDING AND COVERAGE OF THE VARIOUS THEORIES AND MODELS USED IN

IS RESEARCH. SPECIFICALLY, IT AIMS TO FOCUS ON THE FOLLOWING KEY OBJECTIVES: TO DESCRIBE THE VARIOUS THEORIES AND MODELS APPLICABLE TO STUDYING IS/IT MANAGEMENT ISSUES. TO OUTLINE AND DESCRIBE, FOR EACH OF THE VARIOUS THEORIES AND MODELS, INDEPENDENT AND DEPENDENT CONSTRUCTS, REFERENCE DISCIPLINE/ORIGINATING AREA, ORIGINATING AUTHOR(S), SEMINAL ARTICLES, LEVEL OF ANALYSIS (I.E. FIRM, INDIVIDUAL, INDUSTRY) AND LINKS WITH OTHER THEORIES. TO PROVIDE A CRITICAL REVIEW/META-ANALYSIS OF IS/IT MANAGEMENT ARTICLES THAT HAVE USED A PARTICULAR THEORY/MODEL. TO DISCUSS HOW A THEORY CAN BE USED TO BETTER UNDERSTAND HOW INFORMATION SYSTEMS CAN BE EFFECTIVELY DEPLOYED IN TODAY'S DIGITAL WORLD. THIS BOOK CONTRIBUTES TO OUR UNDERSTANDING OF A NUMBER OF THEORIES AND MODELS. THE THEORETICAL CONTRIBUTION OF THIS BOOK IS THAT IT ANALYZES AND SYNTHESIZES THE RELEVANT LITERATURE IN ORDER TO ENHANCE KNOWLEDGE OF IS THEORIES AND MODELS FROM VARIOUS PERSPECTIVES. TO CATER TO THE INFORMATION NEEDS OF A DIVERSE SPECTRUM OF READERS, THIS BOOK IS STRUCTURED INTO TWO VOLUMES, WITH EACH VOLUME FURTHER BROKEN DOWN INTO TWO SECTIONS. THE FIRST SECTION OF VOLUME 1 PRESENTS DETAILED DESCRIPTIONS OF A SET OF THEORIES CENTERED AROUND THE IS LIFECYCLE, INCLUDING THE SUCCESS

MODEL, TECHNOLOGY ACCEPTANCE MODEL, USER RESISTANCE THEORIES, AND FOUR OTHERS. THE SECOND SECTION OF VOLUME 1 CONTAINS STRATEGIC AND ECONOMIC THEORIES, INCLUDING A RESOURCE-BASED VIEW, THEORY OF SLACK RESOURCES, PORTFOLIO THEORY, DISCREPANCY THEORY MODELS, AND ELEVEN OTHERS. THE FIRST SECTION OF VOLUME 2 CONCERNS SOCIO-PSYCHOLOGICAL THEORIES. THESE INCLUDE PERSONAL CONSTRUCT THEORY, PSYCHOLOGICAL OWNERSHIP, TRANSACTIVE MEMORY, LANGUAGE-ACTION APPROACH, AND NINE OTHERS. THE SECOND SECTION OF VOLUME 2 DEALS WITH METHODOLOGICAL THEORIES, INCLUDING CRITICAL REALISM, GROUNDED THEORY, NARRATIVE INQUIRY, WORK SYSTEM METHOD, AND FOUR OTHERS. TOGETHER, THESE THEORIES PROVIDE A RICH TAPESTRY OF KNOWLEDGE AROUND THE USE OF THEORY IN IS RESEARCH. SINCE MOST OF THESE THEORIES ARE FROM CONTRIBUTING DISCIPLINES, THEY PROVIDE A WINDOW INTO THE WORLD OF EXTERNAL THOUGHT LEADERSHIP.

INTERACTIONS WITH SEARCH SYSTEMS
- RYEN W. WHITE 2016-03-14

INFORMATION SEEKING IS A FUNDAMENTAL HUMAN ACTIVITY. IN THE MODERN WORLD, IT IS FREQUENTLY CONDUCTED THROUGH INTERACTIONS WITH SEARCH SYSTEMS. THE RETRIEVAL AND COMPREHENSION OF INFORMATION RETURNED BY THESE SYSTEMS IS A KEY PART OF DECISION MAKING AND ACTION IN A BROAD RANGE OF SETTINGS.

ADVANCES IN DATA AVAILABILITY

COUPLED WITH NEW INTERACTION PARADIGMS, AND MOBILE AND CLOUD COMPUTING CAPABILITIES, HAVE CREATED A BROAD RANGE OF NEW OPPORTUNITIES FOR INFORMATION ACCESS AND USE. IN THIS COMPREHENSIVE BOOK FOR PROFESSIONALS, RESEARCHERS, AND STUDENTS INVOLVED IN SEARCH SYSTEM DESIGN AND EVALUATION, SEARCH EXPERT RYEN WHITE DISCUSSES HOW SEARCH SYSTEMS CAN CAPITALIZE ON NEW CAPABILITIES AND HOW NEXT-GENERATION SYSTEMS MUST SUPPORT HIGHER ORDER SEARCH ACTIVITIES SUCH AS TASK COMPLETION, LEARNING, AND DECISION MAKING. HE OUTLINES THE IMPLICATIONS OF THESE CHANGES FOR THE EVOLUTION OF SEARCH EVALUATION, AS WELL AS CHALLENGES THAT EXTEND BEYOND SEARCH SYSTEMS IN AREAS SUCH AS PRIVACY AND SOCIETAL BENEFIT.

WEB INFORMATION SYSTEMS ENGINEERING -- WISE 2014 -
BOUALEM BENATALLAH 2014-09-11

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON WEB INFORMATION SYSTEMS ENGINEERING, WISE 2014, HELD IN THESSALONIKI, GREECE, IN OCTOBER 2014. THE 52 FULL PAPERS, 16 SHORT AND 14 POSTER PAPERS, PRESENTED IN THE TWO-VOLUME PROCEEDINGS LNCS 8786 AND 8787 WERE CAREFULLY REVIEWED AND SELECTED FROM 196 SUBMISSIONS. THEY ARE ORGANIZED IN TOPICAL SECTIONS NAMED: WEB MINING, MODELING AND CLASSIFICATION; WEB

QUERYING AND SEARCHING; WEB RECOMMENDATION AND PERSONALIZATION; SEMANTIC WEB; SOCIAL ONLINE NETWORKS; SOFTWARE ARCHITECTURES AND PLATFORMS; WEB TECHNOLOGIES AND FRAMEWORKS; WEB INNOVATION AND APPLICATIONS; AND CHALLENGE.

WEB INFORMATION SYSTEMS ENGINEERING – WISE 2016 –

WOJCIECH CELLARY 2016-11-01
THIS TWO VOLUME SET LNCS 10041 AND LNCS 10042 CONSTITUTES THE PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON WEB INFORMATION SYSTEMS ENGINEERING, WISE 2016, HELD IN SHANGHAI, CHINA, IN NOVEMBER 2016. THE 39 FULL PAPERS AND 31 SHORT PAPERS PRESENTED IN THESE PROCEEDINGS WERE CAREFULLY REVIEWED AND SELECTED FROM 233 SUBMISSIONS. THE PAPERS COVER A WIDE RANGE OF TOPICS SUCH AS SOCIAL NETWORK DATA ANALYSIS; RECOMMENDER SYSTEMS; TOPIC MODELING; DATA DIVERSITY; DATA SIMILARITY; CONTEXT-AWARE RECOMMENDATION; PREDICTION; BIG DATA PROCESSING; CLOUD COMPUTING; EVENT DETECTION; DATA MINING; SENTIMENT ANALYSIS; RANKING IN SOCIAL NETWORKS; MICROBLOG DATA ANALYSIS; QUERY PROCESSING; SPATIAL AND TEMPORAL DATA; GRAPH THEORY; NON-TRADITIONAL ENVIRONMENTS; AND SPECIAL SESSION ON DATA QUALITY AND TRUST IN BIG DATA.

ADVANCES IN INFORMATION RETRIEVAL
- PAVEL SERDYUKOV 2013-03-12

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 35TH EUROPEAN CONFERENCE ON IR RESEARCH, ECIR 2013, HELD IN MOSCOW, RUSSIA, IN MARCH 2013. THE 55 FULL PAPERS, 38 POSTER PAPERS AND 10 DEMONSTRATIONS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM 287 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN THE FOLLOWING TOPICAL SECTIONS: USER ASPECTS; MULTIMEDIA AND CROSS-MEDIA IR; DATA MINING; IR THEORY AND FORMAL MODELS; IR SYSTEM ARCHITECTURES; CLASSIFICATION; WEB; EVENT DETECTION; TEMPORAL IR, AND MICROBLOG SEARCH. ALSO INCLUDED ARE 4 TUTORIAL AND 2 WORKSHOP PRESENTATIONS.

ADVANCES IN INFORMATION RETRIEVAL
- RICARDO BAEZA-YATES
2012-03-27

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 34TH EUROPEAN CONFERENCE ON IR RESEARCH, ECIR 2012, HELD IN BARCELONA, SPAIN, IN APRIL 2012. THE 37 FULL PAPERS, 28 POSTER PAPERS AND 7 DEMONSTRATIONS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM 167 SUBMISSIONS. THE CONTRIBUTIONS ARE ORGANIZED IN SECTIONS NAMED: QUERY REPRESENTATION; BLOGS AND ONLINE-COMMUNITY SEARCH; SEMI-STRUCTURED RETRIEVAL; EVALUATION; APPLICATIONS; RETRIEVAL MODELS; IMAGE AND VIDEO RETRIEVAL; TEXT AND CONTENT CLASSIFICATION, CATEGORISATION, CLUSTERING;

SYSTEMS EFFICIENCY; INDUSTRY TRACK; AND POSTERS.

INFORMATION RETRIEVAL TECHNOLOGY

- AZIZAH JAAFAR 2014-11-21

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 10TH INFORMATION RETRIEVAL SOCIETIES CONFERENCE, AIRS 2014, HELD IN KUCHING, MALAYSIA, IN DECEMBER 2014. THE 42 FULL PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 110 SUBMISSIONS. SEVEN TRACKS WERE THE FOCUS OF THE AIR 2014 AND THEY WERE IR MODELS AND THEORIES; IR EVALUATION, USER STUDY AND INTERACTIVE IR; WEB IR, SCALABILITY AND IR IN SOCIAL MEDIA; MULTIMEDIA IR; NATURAL LANGUAGE PROCESSING FOR IR; MACHINE LEARNING AND DATA MINING FOR IR AND IR APPLICATIONS.

INFORMATION SYSTEMS THEORY -

YOGESH K. DWIVEDI 2011-09-21

THE OVERALL MISSION OF THIS BOOK IS TO PROVIDE A COMPREHENSIVE UNDERSTANDING AND COVERAGE OF THE VARIOUS THEORIES AND MODELS USED IN IS RESEARCH. SPECIFICALLY, IT AIMS TO FOCUS ON THE FOLLOWING KEY OBJECTIVES: TO DESCRIBE THE VARIOUS THEORIES AND MODELS APPLICABLE TO STUDYING IS/IT MANAGEMENT ISSUES. TO OUTLINE AND DESCRIBE, FOR EACH OF THE VARIOUS THEORIES AND MODELS, INDEPENDENT AND DEPENDENT CONSTRUCTS, REFERENCE DISCIPLINE/ORIGINATING AREA, ORIGINATING AUTHOR(S), SEMINAL ARTICLES, LEVEL OF ANALYSIS (I.E. FIRM, INDIVIDUAL, INDUSTRY) AND LINKS

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OWNERSHIP, TRANSACTIVE MEMORY, LANGUAGE-ACTION APPROACH, AND NINE OTHERS. THE SECOND SECTION OF VOLUME 2 DEALS WITH METHODOLOGICAL THEORIES, INCLUDING CRITICAL REALISM, GROUNDED THEORY, NARRATIVE INQUIRY, WORK SYSTEM METHOD, AND FOUR OTHERS. TOGETHER, THESE THEORIES PROVIDE A RICH TAPESTRY OF KNOWLEDGE AROUND THE USE OF THEORY IN IS RESEARCH. SINCE MOST OF THESE THEORIES ARE FROM CONTRIBUTING DISCIPLINES, THEY PROVIDE A WINDOW INTO THE WORLD OF EXTERNAL THOUGHT LEADERSHIP.

ADVANCES IN INFORMATION RETRIEVAL - CATHAL GURRIN 2010-04-03

THESE PROCEEDINGS CONTAIN THE PAPERS PRESENTED AT ECIR 2010, THE 32ND EUROPEAN CONFERENCE ON INFORMATION RETRIEVAL. THE CONFERENCE WAS ORGANIZED BY THE KNOWLEDGE MEDIA INSTITUTE (KMI), THE OPEN UNIVERSITY, IN CO-OPERATION WITH DUBLIN CITY UNIVERSITY AND THE UNIVERSITY OF ESSEX, AND WAS SUPPORTED BY THE INFORMATION RETRIEVAL SPECIALIST GROUP OF THE BRITISH COMPUTER SOCIETY (BCS-IRSG) AND THE SPECIAL INTEREST GROUP ON INFORMATION RETRIEVAL (ACM SIGIR). IT WAS HELD DURING MARCH 28-31, 2010 IN MILTON KEYNES, UK. ECIR 2010 RECEIVED A TOTAL OF 202 FULL-PAPER SUBMISSIONS FROM CONTINENTAL EUROPE (40%), UK (14%), NORTH AND SOUTH AMERICA (15%), ASIA AND AUSTRALIA (28%), MIDDLE EAST AND AFRICA

(3%). ALL SUBMITTED PAPERS WERE REVIEWED BY AT LEAST THREE MEMBERS OF THE INTERNATIONAL PROGRAM COMMITTEE. OUT OF THE 202 PAPERS 44 WERE SELECTED AS FULL RESEARCH PAPERS. ECIR HAS ALWAYS BEEN A CONFERENCE WITH A STRONG STUDENT FOCUS. TO ALLOW AS MUCH INTERACTION BETWEEN DELEGATES AS POSSIBLE AND TO KEEP IN THE SPIRIT OF THE CONFERENCE WE DECIDED TO RUN ECIR 2010 AS A SINGLE-TRACK EVENT. AS A RESULT WE DECIDED TO HAVE TWO PRESENTATION FORMATS FOR FULL PAPERS. SOME OF THEM WERE PRESENTED ORALLY, THE OTHERS IN POSTER FORMAT. THE PRESENTATION FORMAT DOES NOT REPRESENT ANY DIFFERENCE IN QUALITY. INSTEAD, THE PRESENTATION FORMAT WAS DECIDED AFTER THE FULL PAPERS HAD BEEN ACCEPTED AT THE PROGRAM COMMITTEE MEETING HELD AT THE UNIVERSITY OF ESSEX. THE VIEWS OF THE REVIEWERS WERE THEN TAKEN INTO CONSIDERATION TO SELECT THE MOST APPROPRIATE PRESENTATION FORMAT FOR EACH PAPER.

SYMBIOTIC INTERACTION - GIULIO JACUCCI 2014-12-05

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE THIRD INTERNATIONAL WORKSHOP ON SYMBIOTIC INTERACTION, SYMBIOTIC 2014, HELD IN HELSINKI, FINLAND, IN OCTOBER 2014. THE 8 FULL PAPERS AND 5 SHORT PAPERS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM 16 SUBMISSIONS. THEY ARE ORGANIZED IN

TOPICAL SECTIONS NAMED: DEFINITIONS OF SYMBIOTIC INTERACTION; REVIEWS OF IMPLICIT INTERACTION; EXAMPLE APPLICATIONS; EXPERIMENTING WITH USERS; AND DEMOS AND POSTERS.

COST-SENSITIVE MACHINE LEARNING - BALAJI KRISHNAPURAM 2011-12-19

IN MACHINE LEARNING APPLICATIONS, PRACTITIONERS MUST TAKE INTO ACCOUNT THE COST ASSOCIATED WITH THE ALGORITHM. THESE COSTS INCLUDE: COST OF ACQUIRING TRAINING DATA COST OF DATA ANNOTATION/LABELING AND CLEANING COMPUTATIONAL COST FOR MODEL FITTING, VALIDATION, AND TESTING COST OF COLLECTING FEATURES/ATTRIBUTES FOR TEST DATA COST OF USER FEEDBACK COLLECT

***COLLABORATIVE INFORMATION SEEKING* - PREBEN HANSEN 2015-09-12**

COMPILED BY WORLD- CLASS LEADERS IN THE FIELD OF COLLABORATIVE INFORMATION RETRIEVAL AND SEARCH (CIS), THIS BOOK CENTRES ON THE NOTION THAT INFORMATION SEEKING IS NOT ALWAYS A SOLITARY ACTIVITY AND WORKING IN COLLABORATION TO PERFORM INFORMATION-SEEKING TASKS SHOULD BE STUDIED AND SUPPORTED. COVERING ASPECTS OF THEORIES, MODELS, AND APPLICATIONS THE BOOK IS DIVIDED IN THREE PARTS: • BEST PRACTICES AND STUDIES: PROVIDING AN OVERVIEW OF CURRENT KNOWLEDGE AND STATE-OF-THE-ART IN THE FIELD. • NEW DOMAINS: COVERS SOME OF THE NEW AND EXCITING OPPORTUNITIES OF APPLYING CIS • NEW THOUGHTS:

FOCUSES ON NEW RESEARCH DIRECTIONS BY SCHOLARS FROM ACADEMIA AND INDUSTRY FROM AROUND THE WORLD.

COLLABORATIVE INFORMATION SEEKING PROVIDES A VALUABLE REFERENCE FOR STUDENT, TEACHERS, AND RESEARCHERS INTERESTED IN THE AREA OF COLLABORATIVE WORK, INFORMATION SEEKING/RETRIEVAL, AND HUMAN-COMPUTER INTERACTION.

ADVANCES IN INFORMATION RETRIEVAL - MAARTEN DE RIJKE 2014-03-24

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 36TH EUROPEAN CONFERENCE ON IR RESEARCH, ECIR 2014, HELD IN AMSTERDAM, THE NETHERLANDS, IN APRIL 2014. THE 33 FULL PAPERS, 50 POSTER PAPERS AND 15 DEMONSTRATIONS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM 288 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN THE FOLLOWING TOPICAL SECTIONS: EVALUATION, RECOMMENDATION, OPTIMIZATION, SEMANTICS, AGGREGATION, QUERIES, MINING SOCIAL MEDIA, DIGITAL LIBRARIES, EFFICIENCY, AND INFORMATION RETRIEVAL THEORY. ALSO INCLUDED ARE 3 TUTORIAL AND 4 WORKSHOP PRESENTATIONS.

INFORMATION RETRIEVAL TECHNOLOGY - MOHAMED VALL MOHAMED SALEM 2011-12-02

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 7TH ASIA INFORMATION RETRIEVAL SOCIETIES CONFERENCE AIRS 2011, HELD IN DUBAI, UNITED ARAB EMIRATES, IN DECEMBER 2011. THE 31 REVISED FULL

PAPERS AND 25 REVISED POSTER PAPERS PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 132 SUBMISSIONS. ALL CURRENT ASPECTS OF INFORMATION RETRIEVAL - IN THEORY AND PRACTICE - ARE ADDRESSED; THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON INFORMATION RETRIEVAL MODELS AND THEORIES; INFORMATION RETRIEVAL APPLICATIONS AND MULTIMEDIA INFORMATION RETRIEVAL; USER STUDY, INFORMATION RETRIEVAL EVALUATION AND INTERACTIVE INFORMATION RETRIEVAL; WEB INFORMATION RETRIEVAL, SCALABILITY AND ADVERSARIAL INFORMATION RETRIEVAL; MACHINE LEARNING FOR INFORMATION RETRIEVAL; NATURAL LANGUAGE PROCESSING FOR INFORMATION RETRIEVAL; ARABIC SCRIPT TEXT PROCESSING AND RETRIEVAL.

STRING PROCESSING AND INFORMATION RETRIEVAL - ROBERTO GROSSI
2011-10-02

THIS BOOK CONSTITUTES THE PROCEEDINGS OF THE 18TH INTERNATIONAL SYMPOSIUM ON STRING PROCESSING AND INFORMATION RETRIEVAL, SPIRE 2011, HELD IN PISA, ITALY, IN OCTOBER 2011. THE 30 LONG AND 10 SHORT PAPERS TOGETHER WITH 1 KEYNOTE PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 102 SUBMISSIONS. THE PAPERS ARE STRUCTURED IN TOPICAL SECTIONS ON INTRODUCTION TO WEB RETRIEVAL, SEQUENCE LEARNING, COMPUTATIONAL GEOGRAPHY, SPACE-EFFICIENT DATA STRUCTURES,

ALGORITHMIC ANALYSIS OF BIOLOGICAL DATA, COMPRESSION, TEXT AND ALGORITHMS.

INFORMATION RETRIEVAL TECHNOLOGY
- SHAOPING MA 2016-11-25

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 12TH INFORMATION RETRIEVAL SOCIETIES CONFERENCE, AIRS 2016, HELD IN BEIJING, CHINA, IN NOVEMBER/DECEMBER 2016. THE 21 FULL PAPERS PRESENTED TOGETHER WITH 11 SHORT PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 57 SUBMISSIONS. THE FINAL PROGRAMME OF AIRS 2015 IS DIVIDED IN THE FOLLOWING TRACKS: IR MODELS AND THEORIES; MACHINE LEARNING AND DATA MINING FOR IR; APPLICATIONS AND USER MODELING; PERSONALIZATION AND RECOMMENDATION; AND IR EVALUATION.

APPLIED PROBABILISTIC CALCULUS FOR FINANCIAL ENGINEERING - BERTRAM K. C. CHAN 2017-09-11

ILLUSTRATES HOW R MAY BE USED SUCCESSFULLY TO SOLVE PROBLEMS IN QUANTITATIVE FINANCE APPLIED PROBABILISTIC CALCULUS FOR FINANCIAL ENGINEERING: AN INTRODUCTION USING R PROVIDES R RECIPES FOR ASSET ALLOCATION AND PORTFOLIO OPTIMIZATION PROBLEMS. IT BEGINS BY INTRODUCING ALL THE NECESSARY PROBABILISTIC AND STATISTICAL FOUNDATIONS, BEFORE MOVING ON TO TOPICS RELATED TO ASSET ALLOCATION AND PORTFOLIO OPTIMIZATION WITH R CODES ILLUSTRATED FOR VARIOUS EXAMPLES. THIS CLEAR AND CONCISE BOOK COVERS

FINANCIAL ENGINEERING, USING R IN DATA ANALYSIS, AND UNIVARIATE, BIVARIATE, AND MULTIVARIATE DATA ANALYSIS. IT EXAMINES PROBABILISTIC CALCULUS FOR MODELING FINANCIAL ENGINEERING—WALKING THE READER THROUGH BUILDING AN EFFECTIVE FINANCIAL MODEL FROM THE GEOMETRIC BROWNIAN MOTION (GBM) MODEL VIA PROBABILISTIC CALCULUS, WHILE ALSO COVERING ITO CALCULUS. CLASSICAL MATHEMATICAL MODELS IN FINANCIAL ENGINEERING AND MODERN PORTFOLIO THEORY ARE DISCUSSED—ALONG WITH THE TWO MUTUAL FUND THEOREM AND THE SHARPE RATIO. THE BOOK ALSO LOOKS AT R AS A CALCULATOR AND USING R IN DATA ANALYSIS IN FINANCIAL ENGINEERING. ADDITIONALLY, IT COVERS ASSET ALLOCATION USING R, FINANCIAL RISK MODELING AND PORTFOLIO OPTIMIZATION USING R, GLOBAL AND LOCAL OPTIMAL VALUES, LOCATING FUNCTIONAL MAXIMA AND MINIMA, AND PORTFOLIO OPTIMIZATION BY PERFORMANCE ANALYTICS IN CRAN. COVERS OPTIMIZATION METHODOLOGIES IN PROBABILISTIC CALCULUS FOR FINANCIAL ENGINEERING ANSWERS THE QUESTION: WHAT DOES A “RANDOM WALK” FINANCIAL THEORY LOOK LIKE? COVERS THE GBM MODEL AND THE RANDOM WALK MODEL EXAMINES MODERN THEORIES OF PORTFOLIO OPTIMIZATION, INCLUDING THE MARKOWITZ MODEL OF MODERN PORTFOLIO THEORY (MPT), THE BLACK-LITTERMAN MODEL, AND THE BLACK-SCHOLES OPTION PRICING

MODEL APPLIED PROBABILISTIC CALCULUS FOR FINANCIAL ENGINEERING: AN INTRODUCTION USING R S AN IDEAL REFERENCE FOR PROFESSIONALS AND STUDENTS IN ECONOMICS, ECONOMETRICS, AND FINANCE, AS WELL AS FOR FINANCIAL INVESTMENT QUANTS AND FINANCIAL ENGINEERS.

ADVANCES IN MULTIMEDIA MODELING -
Kuo-Tien Lee 2011-01-10

THIS TWO-VOLUME PROCEEDINGS CONSTITUTES THE REFEREED PAPERS OF THE 17TH INTERNATIONAL MULTIMEDIA MODELING CONFERENCE, MMM 2011, HELD IN TAIPEI, TAIWAN, IN JANUARY 2011. THE 51 REVISED REGULAR PAPERS, 25 SPECIAL SESSION PAPERS, 21 POSTER SESSION PAPERS, AND 3 DEMO SESSION PAPERS, WERE CAREFULLY REVIEWED AND SELECTED FROM 450 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON AUDIO, IMAGE VIDEO PROCESSING, CODING AND COMPRESSION; MEDIA CONTENT BROWSING AND RETRIEVAL; MULTI-CAMERA, MULTI-VIEW, AND 3D SYSTEMS; MULTIMEDIA INDEXING AND MINING; MULTIMEDIA CONTENT ANALYSIS; MULTIMEDIA SIGNAL PROCESSING AND COMMUNICATIONS; AND MULTIMEDIA APPLICATIONS. THE SPECIAL SESSION PAPERS DEAL WITH CONTENT ANALYSIS FOR HUMAN-CENTERED MULTIMEDIA APPLICATIONS; LARGE SCALE RICH MEDIA DATA MANAGEMENT; MULTIMEDIA UNDERSTANDING FOR CONSUMER ELECTRONICS; IMAGE OBJECT RECOGNITION AND COMPRESSION; AND INTERACTIVE IMAGE AND VIDEO SEARCH.