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ASTRONOMICAL IMAGE AND DATA ANALYSIS J.-L. STARCK 2013-04-17 USING INFORMATION AND SCALE AS CENTRAL THEMES, THIS COMPREHENSIVE SURVEY EXPLAINS HOW TO HANDLE REAL PROBLEMS IN ASTRONOMICAL DATA ANALYSIS THROUGH A MODERN ARSENAL OF POWERFUL TECHNIQUES. THE COVERAGE INCLUDES CHAPTERS OR APPENDICES ON: DETECTION AND FILTERING; IMAGE COMPRESSION; MULTICHANNEL, MULTISCALE, AND CATALOG DATA ANALYTICAL METHODS; WAVELETS TRANSFORMS, PICARD ITERATION, AND SOFTWARE TOOLS.

NEURAL NETWORKS IN THE ANALYSIS AND DESIGN OF STRUCTURES ZENON WASZCZYNSKI 1999 NEURAL NETWORKS ARE A NEW, INTERDISCIPLINARY TOOL FOR INFORMATION PROCESSING. NEUROCOMPUTING BEING SUCCESSFULLY INTRODUCED TO STRUCTURAL PROBLEMS WHICH ARE DIFFICULT OR EVEN IMPOSSIBLE TO BE ANALYSED BY STANDARD COMPUTERS (HARD COMPUTING). THE BOOK IS DEVOTED TO FOUNDATIONS AND APPLICATIONS OF NNs IN THE STRUCTURAL MECHANICS AND DESIGN OF STRUCTURES.

THIS NEW OCEAN LOYD S. SWENSON 2010-04 NASA'S OFFICIAL HISTORY OF PROJECT MERCURY, AMERICA'S EFFORT TO GET A MAN INTO SPACE. COVERS THE DEVELOPMENT OF THE ROCKET BOOSTERS, THE SELECTION AND TRAINING OF THE ASTRONAUTS, THE DESIGN OF THE MERCURY SPACECRAFT, THE TEST LAUNCHES, AND ALL SIX MANNED MERCURY FLIGHTS, INCLUDING ALAN SHEPARD, THE FIRST AMERICAN IN SPACE, AND JOHN GLENN, THE FIRST AMERICAN IN ORBIT.

THE NASA KEPLER MISSION STEVE B. HOWELL 2020-09-15 THIS BOOK COVERS THE NUMEROUS, PARADIGM CHANGING SCIENTIFIC DISCOVERIES IN EXOPLANETS AND OTHER AREAS OF ASTROPHYSICS MADE POSSIBLE BY THE NASA KEPLER AND K2 MISSIONS. IT IS SUITABLE FOR THE INTERESTED LAYPERSON, PUPILS OF SCIENCE AND SPACE MISSIONS, AND ADVANCED SCIENCE STUDENTS AND RESEARCHERS.

THE PORTFOLIO BOOK OF GREAT INDIAN BUSINESS STORIES PENGUIN BOOKS INDIA 2015-05-15 HOW DID DHIRUBHAI AMBANI BUILD A POLYESTER PLANT IN RECORD TIME? WHAT MADE JRD TATA LAUNCH INDIA'S FIRST AIRLINE? HOW DID VIJAY MALLYA WREST CONTROL OF SHAW WALLACE FROM MANU CHHABRIA? WHY DID BHAI MOHAN SINGH FALL OUT WITH HIS FAVOURITE SON AND LOSE CONTROL OF RANBAXY? THE PORTFOLIO BOOK OF GREAT INDIAN BUSINESS STORIES CONTAINS EXCERPTS FROM A SELECTION OF THE FINEST BUSINESS BOOKS PUBLISHED BY PENGUIN PORTFOLIO. THIS ANTHOLOGY FEATURES SNIPPETS FROM THE LIVES OF SOME OF THE MOST EMINENT BUSINESS LEADERS INDIA HAS SEEN—M.S. OBEROI, RATAN TATA, ADITYA BIRLA AND RAHUL BAJAJ, AMONG OTHERS. THERE ARE TALES OF OUTSTANDING SUCCESSES, CRUSHING FAILURES, EXTRAORDINARY CHALLENGES AND RELENTLESS DETERMINATION, SOME OF WHICH CHRONICLE THE TIMES WHEN THESE LEGENDS WERE JUST SIMPLE BUSINESSMEN TRYING TO MAKE A MARK. THE GRIT AND RUTHLESS PERSISTENCE OF THESE MEN DEFINED WHO THEY WERE AND THE LEGACIES THEY LEFT BEHIND.

THE STORY OF MANNED SPACE STATIONS PHILIP BAKER 2007-08-20 THIS BOOK CHARTS THE HISTORY OF MANNED SPACE STATIONS IN A LOGICAL, CHRONOLOGICAL ORDER. IT TELLS THE STORY OF THE TWO MAJOR SPACE POWERS STARTING OUT ON THEIR VERY SEPARATE PROGRAMS, BUT SLOWLY COMING TOGETHER. IT DESCRIBES RARELY MENTIONED DEVELOPMENT PROGRAMS, MOST OF WHICH NEVER FLEW, INCLUDING THE US MANNED ORBITING LABORATORY, THE SOVIET ALMAZ STATION, AND THE SOVIET POLYUS BATTLESTATION. THE MIR SPACE STATION WAS ONE OF THE GREATEST HUMAN ACHIEVEMENTS IN MODERN HISTORY, AND A THOROUGH TELLING OF ITS STORY IS ESSENTIAL TO THIS BOOK. THIS BOOK IS THE FIRST OF ITS KIND TO TELL THE WHOLE STORY OF THE MANNED SPACE STATIONS FROM THE USA AND RUSSIA.

SCHOLASTIC ENCYCLOPEDIA OF THE PRESIDENTS AND THEIR TIMES DAVID RUBEL 2005 AN UPDATED EDITION CONTAINS INFORMATION ON THE HISTORY OF THE WHITE HOUSE, ITS LEADERS, AND SIGNIFICANT EVENTS, FROM THE REDESIGN OF 1600 PENNSYLVANIA AVENUE IN 1792 TO THE RESULTS OF THE 2004 ELECTION.

THE INTERNATIONAL HANDBOOK OF SPACE TECHNOLOGY MALCOLM MACDONALD 2014-07-08 THIS COMPREHENSIVE HANDBOOK PROVIDES AN OVERVIEW OF SPACE TECHNOLOGY AND A HOLISTIC UNDERSTANDING OF THE SYSTEM-OF-SYSTEMS THAT IS A MODERN SPACECRAFT. WITH A FOREWORD BY ELON MUSK, CEO AND CTO OF SPACEX, AND CONTRIBUTIONS FROM GLOBALLY LEADING AGENCY EXPERTS FROM NASA, ESA, JAXA, AND CNES, AS WELL AS EUROPEAN AND NORTH AMERICAN ACADEMICS AND INDUSTRIALISTS, THIS HANDBOOK, AS WELL AS GIVING AN INTERDISCIPLINARY OVERVIEW, OFFERS, THROUGH INDIVIDUAL SELF-CONTAINED CHAPTERS, MORE DETAILED UNDERSTANDING OF SPECIFIC FIELDS, RANGING THROUGH: • LAUNCH SYSTEMS, STRUCTURES, POWER, THERMAL, COMMUNICATIONS, PROPULSION, AND SOFTWARE, TO • ENTRY, DESCENT AND LANDING, GROUND SEGMENT, ROBOTICS, AND DATA SYSTEMS, TO • TECHNOLOGY MANAGEMENT, LEGAL AND REGULATORY ISSUES, AND PROJECT MANAGEMENT. THIS HANDBOOK IS AN EQUALLY INVALUABLE ASSET TO THOSE ON A CAREER PATH TOWARDS THE SPACE INDUSTRY AS IT IS TO THOSE ALREADY WITHIN THE INDUSTRY.

SPACE MISSION ANALYSIS AND DESIGN WILEY LARSON 2013-10-05 WITH THE SECOND EDITION OF SPACE MISSION ANALYSIS AND

DESIGN, TWO CHANGES HAVE BEEN INTRODUCED IN THE SPACE TECHNOLOGY LIBRARY. FOREMOST AMONG THESE IS THE INTRODUCTION OF THE SPACE TECHNOLOGY SERIES AS A PART OF THE SPACE TECHNOLOGY LIBRARY. DR. WILEY LARSON OF THE US AIR FORCE ACADEMY AND UNIVERSITY OF COLORADO, COLORADO SPRINGS, WILL SERVE AS MANAGING EDITOR FOR THE SPACE TECHNOLOGY SERIES. THIS SERIES IS A COOPERATIVE EFFORT OF THE DEPARTMENT OF DEFENSE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, DEPARTMENT OF ENERGY, AND EUROPEAN SPACE AGENCY, COORDINATED BY THE US AIR FORCE ACADEMY. THE SPONSORS INTEND TO BRING A NUMBER OF BOOKS INTO THE SERIES TO IMPROVE THE LITERATURE BASE IN THE FUNDAMENTALS OF SPACE TECHNOLOGY, BEGINNING WITH THE CURRENT VOLUME. BOOKS WHICH ARE NOT A PART OF THE SPACE TECHNOLOGY SERIES, BUT WHICH ALSO REPRESENT A SUBSTANTIAL CONTRIBUTION TO THE SPACE TECHNOLOGY LITERATURE, WILL STILL BE PUBLISHED IN THE SPACE TECHNOLOGY LIBRARY. AS ALWAYS, WE WELCOME SUGGESTIONS AND CONTRIBUTIONS FROM THE AEROSPACE COMMUNITY.

SPACELAB 2 1985

BEYOND EARTH ASIF A. SIDDIQI 2018 THIS IS A COMPLETELY UPDATED AND REVISED VERSION OF A MONOGRAPH PUBLISHED IN 2002 BY THE NASA HISTORY OFFICE UNDER THE ORIGINAL TITLE DEEP SPACE CHRONICLE: A CHRONOLOGY OF DEEP SPACE AND PLANETARY PROBES, 1958-2000. THIS NEW EDITION NOT ONLY ADDS ALL EVENTS IN ROBOTIC DEEP SPACE EXPLORATION AFTER 2000 AND UP TO THE END OF 2016, BUT IT ALSO COMPLETELY CORRECTS AND UPDATES ALL ACCOUNTS OF MISSIONS FROM 1958 TO 2000-- PROVIDED BY PUBLISHER.

BLOCKCHAIN ETHICS JAMIL HASAN 2018-03-02 UNLIKE MANY OTHER RECENT BLOCKCHAIN BOOKS FOCUSED ON DESCRIBING AND DEFINING BLOCKCHAIN TECHNOLOGY FROM A TECHNICAL OR CRYPTOCURRENCY PERSPECTIVE, THIS UNIQUE BOOK TAKES A VERY DIFFERENT TACK: ITS FOCUS IS ON HOW MAINSTREAM AND MARGINALIZED AMERICANS CAN USE BLOCKCHAIN TECHNOLOGY AND DIGITAL ASSETS ETHICALLY TO CREATE AN ABUNDANT LIFE. THIS BOOK EXPLORES WHAT BLOCKCHAIN TECHNOLOGY IS DOING TODAY AND HOW IT CAN BE USED TO CREATE A BETTER TOMORROW. THE BOOK DARINGLY EXPLORES HOW BLOCKCHAIN TECHNOLOGY CAN MAKE A DIFFERENCE IN IMPROVING AMERICA'S EDUCATION SYSTEM, CRACKING THE GLASS CEILING, ALTERING EMPLOYMENT OUTLOOKS, AND IMPROVING EVERY PERSON'S FINANCIAL FUTURE. THE AUTHOR EXAMINES AND EXPLORES THE BUSINESS AND SOCIAL IMPACT THAT OPEN SOURCED BLOCKCHAIN TECHNOLOGY PROMISES US IS POSSIBLE. AND, IN TURN, DISCUSSES HOW WE AMERICANS CAN TAKE THOSE POSSIBILITIES TO CREATE OUR ECONOMY, COUNTRY, AND LIVES INTO BUSTLING MECCAS OF ABUNDANCE FOR E-V-E-R-Y-O-N-E.

ENERGIYA-BURAN BART HENDRICKX 2007-12-05 THIS ABSORBING BOOK DESCRIBES THE LONG DEVELOPMENT OF THE SOVIET SPACE SHUTTLE SYSTEM, ITS INFRASTRUCTURE AND THE SPACE AGENCY'S PLANS TO FOLLOW UP THE FIRST HISTORIC UNMANNED MISSION. THE BOOK INCLUDES COMPARISONS WITH THE AMERICAN SHUTTLE SYSTEM AND OFFERS ACCOUNTS OF THE SOVIET TEST PILOTS CHOSEN FOR TRAINING TO FLY THE SYSTEM, AND THE OPERATIONAL, POLITICAL AND ENGINEERING PROBLEMS THAT FINALLY SEALED THE FATE OF BURAN AND ULTIMATELY OF NASA'S SHUTTLE FLEET.

THE SUITE SPOT JOHN JEFFCOCK 2022-03-15 THE SUITE SPOT IS NOT A SINGLE-IDEA BOOK BUT RATHER A COMPENDIUM OF WISDOM THAT HAS BEEN SOURCED FROM HUNDREDS OF LEADING EXECUTIVES OVER A PERIOD OF 20 YEARS AND HAS BEEN COLLATED INTO A PORTFOLIO OF TOOLS AND ANECDOTES. IT WILL CHALLENGE EXISTING THINKING WHILE ALSO BRINGING NEW IDEAS TO THE BUSINESS WORLD. THE BOOK EXPLAINS WHAT TODAY'S C-SUITE LOOKS LIKE AND HOW IT IS EVOLVING. IT PROVIDES UNIQUE GUIDANCE ON HOW TO BREAK INTO THE C-SUITE, AND THEN HOW TO BE SUCCESSFUL IN THE SPACE THROUGH A UNIQUE COMBINATION OF MODELS, CASE STUDIES, TABLES AND IMAGES WHICH ILLUSTRATE THE KEY POINTS IN A PRACTICAL AND MEANINGFUL WAY.

UNBREAKABLE STORIES JOCELYNN DRAKE 2017-08-10 UNBREAKABLE STORIES: IAN IS A COLLECTION OF SHORT STORIES FOLLOWING THE UPS AND DOWNS OF IAN PIERCE AND HOLLIS BANNER AS THEY NAVIGATE THEIR NEW RELATIONSHIP AND THE UNIQUE COMPLICATIONS OF DATING WITH A BRUNCH OF OVERPROTECTIVE "BROTHERS" DETERMINED TO GUARD IAN'S HEART. THIS COLLECTION IS MORE THAN 38,000 WORDS AND CONTAINS SHORT STORIES SUCH AS: MIDNIGHT PERP NO BOYFRIENDS ALLOWED A NIGHT OFF TAKING IT SLOW THIS IS US AND A VERY SPECIAL BONUS.

UNDISRUPTABLE AIDAN MCCULLEN 2021-03-10 UNDERSTAND THE BARRIERS TO CHANGE AND CULTIVATE A REINVENTION MINDSET THAT WILL MAKE YOU IMPERVIOUS TO DISRUPTION IN OUR WORLD OF INCESSANT CHANGE, WE ARE ALL THREATENED BY VOLATILITY, UNCERTAINTY, COMPLEXITY, AND AMBIGUITY—AT THE INDIVIDUAL AND ORGANIZATIONAL LEVELS. UNDISRUPTABLE WILL GIVE YOU A NEW LENS THROUGH WHICH TO CONSIDER CHANGE AS AN OPPORTUNITY RATHER THAN AN OBSTACLE. YOU'LL BE INSPIRED TO CONSIDER THE BIG QUESTIONS OF TODAY: WHAT DOES THE FUTURE HOLD? WHAT DOES THE EXPONENTIAL GROWTH OF TECHNOLOGY MEAN FOR THE WORLD OF WORK? WHAT DOES A CHANGING JOB MARKET MEAN FOR FUTURE GENERATIONS? WHAT DO WAVES OF DISRUPTION MEAN FOR BUSINESS LEADERS? SOCIETY IS EVOLVING AT BREAKNECK SPEED. WHAT DOES THIS MEAN FOR ALL OF US? READ UNDISRUPTABLE TO BRIDGE THE CHAOS AND BUILD THE RESILIENCE YOU NEED TO MOVE FORWARD. WHILE WE CANNOT SEE INTO THE FUTURE, THERE ARE

REPEATABLE PATTERNS THAT WE CAN UNDERSTAND. UNDISRUPTABLE DEMYSTIFIES THE PRINCIPLES OF CHANGE THROUGH A BLEND OF ANALOGIES, INNOVATION FRAMEWORKS AND EXEMPLARS OF CHANGE SUCH AS FUJIFILM AND ARNOLD SCHWARZENEGGER. THE FIRST STEP TO BECOMING UNDISPUTABLE IS TO REALIZE THAT EVOLUTION IS A NATURAL PART OF LIFE, AND NATURE PROVIDES MANY EXAMPLES. UNDISRUPTABLE WILL HELP YOU TO: UNDERSTAND THE PRINCIPLES OF CHANGE OVERCOME THE BARRIERS TO CHANGE SEE CHANGE AS AN OPPORTUNITY AND NOT AN OBSTACLE UTILIZE SIMPLE FRAMEWORKS AND EXAMPLES TO GUIDE YOU ON YOUR TRANSFORMATION BY THE END OF THIS BOOK, YOU WILL HAVE THE ESSENTIAL TOOLS AND TECHNIQUES TO FOSTER A REINVENTION MINDSET THAT WILL HELP YOU AND YOUR ORGANIZATION TO BECOME UNDISRUPTABLE. THIS BOOK IS PART OF A 3-PART SERIES. PART 2 LOOKS AT THE BIASES AND MENTAL OBSTACLES THAT PREVENT CHANGE. PART 3 EXAMINES THE BEST WAYS TO COMMUNICATE CHANGE WITHIN AN ORGANIZATION. PRAISE FOR UNDISRUPTABLE “AIDAN McCULLEN HAS LIVED A FASCINATING LIFE OF MAJOR CHANGE. IN HIS BOOK, ‘UNDISRUPTABLE’; HE BRINGS US A METHOD FOR MAKING SENSE OF THE EXTERNAL WORLD, AND AN ACCESSIBLE AND VISUAL APPROACH TO LETTING GO OF THE PAST, AND WELCOMING THE FUTURE WITH A MINDSET OF PERMANENT REINVENTION. IT IS A TIMELY, THOUGHTFUL BOOK, WELL WORTH READING.” – DEE HOCK, FOUNDER AND CEO EMERITUS OF VISA AND AUTHOR OF ONE FROM MANY: VISA AND THE RISE OF CHAORDIC ORGANIZATION “AS THE POET PAUL VALERY SAID, ‘THE FUTURE IS NOT WHAT IS USED TO BE’. ORGANIZATIONS ACROSS THE BOARD MUST COME TO GRIPS WITH PERMANENT REINVENTION AS THEIR NEEDED WAY OF BEING. AIDAN McCULLEN’S GIFTED STORYTELLING WILL INSPIRE YOU AND GET YOU ON YOUR WAY TO PERMANENT REINVENTION.” – MARK JOHNSON, CO-FOUNDER INNOSIGHT AND AUTHOR LEAD FROM THE FUTURE “THIS BOOK TEACHES THE MINDSET—THE LENS OF CLARITY—THAT WE ALL MUST DEVELOP IN ORDER TO BE UNDISRUPTABLE IN A FUTURE OF CHILLING DISRUPTION.” – BOB JOHANSEN AUTHOR FULL-SPECTRUM THINKING, DISTINGUISHED FELLOW, INSTITUTE FOR THE FUTURE “THE SNAKE MAY SLOUGH OFF ITS TAIL, BUT THERE’S NOTHING TO BE SLOUGHED OFF WITH THIS BOOK. FORMER PROFESSIONAL RUGBY PLAYER AIDAN McCULLEN KNOWS HOW NOT TO BE DEFEATED BY VICTORY. HE KNOWS HOW TO DISRUPT HIMSELF. HE KNOWS WHAT IT MEANS TO BE UNDISRUPTABLE.” – WHITNEY JOHNSON, AUTHOR OF DISRUPT YOURSELF “AIDAN McCULLEN SHOWS US HOW TO EMBRACE A MINDSET OF PERMANENT REINVENTION. BY READING THIS BOOK, YOU WILL LEARN HOW TO SHED O

EUROPEAN-RUSSIAN SPACE COOPERATION BRIAN HARVEY 2021-05-12 THE STORY OF EUROPEAN-RUSSIAN COLLABORATION IN SPACE IS LITTLE KNOWN AND ITS IMPORTANCE ALL TOO OFTEN UNDERSTATED. BECAUSE FRANCE WAS THE PRINCIPAL INTERLOCUTOR BETWEEN THESE NATIONS, SUCH COOPERATION DID NOT RECEIVE THE ATTENTION IT DESERVED IN ENGLISH-LANGUAGE LITERATURE. THIS BOOK RECTIFIES THAT HISTORY, SHOWING HOW RUSSIA AND EUROPE FORGED A SUCCESSFUL PARTNERSHIP THAT HAS CONTINUED TO THE PRESENT DAY. SPACE WRITER BRIAN HARVEY PROVIDES AN IN-DEPTH PICTURE OF HOW THIS EUROPEAN-RUSSIAN RELATIONSHIP EVOLVED AND WHAT FACTORS—SCIENTIFIC, POLITICAL AND INDUSTRIAL—PROPELLED IT OVER THE DECADES. THE HISTORY BEGINS IN THE COLD WAR PERIOD WITH THE FIRST COLLABORATIVE VENTURES BETWEEN THE SOVIET UNION AND EUROPEAN COUNTRIES, PRIMARILY FRANCE, FOLLOWED LATER BY GERMANY AND OTHER EUROPEAN COUNTRIES. NEXT, THE CHAPTERS TURN TO THE MISSIONS WHEN EUROPEAN ASTRONAUTS FLEW TO RUSSIAN SPACE STATIONS, THE SOYUZ ROCKET MADE A NEW HOME IN EUROPEAN TERRITORY IN THE SOUTH AMERICAN JUNGLE AND SCIENCE MISSIONS WERE FLOWN TO STUDY DEEP SPACE. THEIR CLIMAX IS THE JOINT MISSION TO EXPLORE MARS, CALLED EXOMARS, WHICH HAS ALREADY SENT A MISSION TO MARS. THROUGH THIS CLOSE EXAMINATION OF THESE EUROPEAN-RUSSIAN EFFORTS, READERS WILL APPRECIATE AN ALTOGETHER NEW PERSPECTIVE ON THE HISTORY OF SPACE EXPLORATION, NO LONGER DEFINED BY COMPETITION, BUT RATHER BY COLLABORATION AND COOPERATION.

A MODERN INTRODUCTION TO PROBABILITY AND STATISTICS F.M. DEKKING 2006-03-30 SUITABLE FOR SELF STUDY USE REAL EXAMPLES AND REAL DATA SETS THAT WILL BE FAMILIAR TO THE AUDIENCE INTRODUCTION TO THE BOOTSTRAP IS INCLUDED – THIS IS A MODERN METHOD MISSING IN MANY OTHER BOOKS

MILITARIZING OUTER SPACE ALEXANDER C.T. GEPPERT 2020-12-02 MILITARIZING OUTER SPACE EXPLORES THE DYSTOPIAN AND DESTRUCTIVE DIMENSIONS OF THE SPACE AGE AND CHALLENGES CONVENTIONAL NARRATIVES OF A BIPOLAR COLD WAR RIVALRY. CONCENTRATING ON WEAPONS, WARFARE AND VIOLENCE, THIS PROVOCATIVE VOLUME EXAMINES REAL AND IMAGINED ENDEAVORS OF ARMING THE SKIES AND CONQUERING THE HEAVENS. THE THIRD AND FINAL VOLUME IN THE GROUNDBREAKING EUROPEAN ASTROCULTURE TRILOGY, MILITARIZING OUTER SPACE ZOOMS IN ON THE INTERPLAY BETWEEN SECURITY, TECHNOLITICS AND KNOWLEDGE FROM THE 1920S THROUGH THE 1980S. OFTEN HAILED AS THE SITE OF HEAVENLY UTOPIAS AND OTHERWORLDLY SALVATION, OUTER SPACE TRANSFORMED FROM A PROMISED SANCTUARY TO A PRESENT THREAT, WHERE THE BATTLES OF THE FUTURE WERE TO BE WAGED. ASTROCULTURE PROVED INSTRUMENTAL IN FATHOMING FORMS AND FUNCTIONS OF WARFARE’S FUTURES PAST, BOTH ON EARTH AND IN SPACE. THE ALLURE OF DOMINATING OUTER SPACE, THE BOOK SHOWS, WAS NEITHER LIMITED TO THE EARLY TWENTY-FIRST CENTURY NOR TO CURRENT AMERICAN SPACE FORCE RHETORICS.

CASE STUDIES IN PROJECT, PROGRAM, AND ORGANIZATIONAL PROJECT MANAGEMENT DRAGAN Z. MILOSEVIC 2011-08-17 THE EVER EXPANDING MARKET NEED FOR INFORMATION ON HOW TO APPLY PROJECT MANAGEMENT PRINCIPLES AND THE PMBOK® CONTENTS TO DAY-TO-DAY BUSINESS SITUATIONS HAS BEEN MET BY OUR CASE STUDIES BOOK BY HAROLD KERZNER. THAT BOOK WAS A SPIN-OFF FROM AND ANCILLARY TO HIS BEST SELLING TEXT BUT HAS GAINED A LIFE OF ITS OWN BEYOND ADOPTERS OF THAT TEXTBOOK. ALL INDICATIONS ARE THAT THE MARKET IS HUNGRY FOR MORE CASES WHILE OUR OWN NEED TO EXPAND THE CONTENT WE CONTROL, BOTH IN-PRINT AND ONLINE WOULD BENEFIT FROM SUCH AN EXPANSION OF PROJECT MANAGEMENT “CASE CONTENT”. THE AUTHORS PROPOSE TO PRODUCE A BOOK OF CASES THAT COMPLIMENT KERZNER’S BOOK. A BOOK THAT OFFERS CASES BEYOND THE GENERAL PROJECT MANAGEMENT AREAS AND INTO PMI®’S GROWTH AREAS OF PROGRAM MANAGEMENT AND ORGANIZATIONAL PROJECT MANAGEMENT. THE BOOK WILL BE STRUCTURED TO FOLLOW THE PMBOK IN COVERAGE SO THAT IT CAN NOT ONLY BE USED TO SUPPLEMENT PROJECT MANAGEMENT COURSES, BUT ALSO FOR SELF STUDY AND TRAINING COURSES FOR THE PMP® EXAM. (PMI, PMBOK, PMP, AND PROJECT MANAGEMENT PROFESSIONAL ARE REGISTERED MARKS OF THE PROJECT MANAGEMENT INSTITUTE, INC.)

MIR HARDWARE HERITAGE DAVID S. F. PORTREE 1995 THE HERITAGE OF THE MAJOR MIR COMPLEX HARDWARE ELEMENTS IS DESCRIBED.

THESE ELEMENTS INCLUDE SOYUZ-TM AND PROGRESS-M ; THE KVANT, KVANT 2, AND KRISTALL MODULES ; AND THE MIR BASE BLOCK. CONFIGURATION CHANGES AND MAJOR MISSION EVENTS OF SALYUT 6, SALYUT 7, AND MIR MULTIPORT SPACE STATIONS ARE DESCRIBED IN DETAIL FOR THE PERIOD 1977-1994. A COMPARATIVE CHRONOLOGY OF U.S. AND SOVIET/RUSSIAN MANNED SPACEFLIGHT IS ALSO GIVEN FOR THAT PERIOD. THE 68 ILLUSTRATIONS INCLUDE COMPARATIVE SCALE DRAWINGS OF U.S. AND RUSSIAN SPACECRAFT AS WELL AS SEQUENTIAL DRAWINGS DEPICTING MISSIONS AND MISSION EVENTS.

AEROSPACE MATERIALS AND MATERIAL TECHNOLOGIES N. ESWARA PRASAD 2016-11-07 THIS BOOK SERVES AS A COMPREHENSIVE RESOURCE ON VARIOUS TRADITIONAL, ADVANCED AND FUTURISTIC MATERIAL TECHNOLOGIES FOR AEROSPACE APPLICATIONS ENCOMPASSING NEARLY 20 MAJOR AREAS. EACH OF THE CHAPTERS ADDRESSES SCIENTIFIC PRINCIPLES BEHIND PROCESSING AND PRODUCTION, PRODUCTION DETAILS, EQUIPMENT AND FACILITIES FOR INDUSTRIAL PRODUCTION, AND FINALLY AEROSPACE APPLICATION AREAS OF THESE MATERIAL TECHNOLOGIES. THE CHAPTERS ARE AUTHORED BY PIONEERS OF INDUSTRIAL AEROSPACE MATERIAL TECHNOLOGIES. THIS BOOK HAS A WELL-PLANNED LAYOUT IN 4 PARTS. THE FIRST PART DEALS WITH PRIMARY METAL AND MATERIAL PROCESSING, INCLUDING NANO MANUFACTURING. THE SECOND PART DEALS WITH MATERIALS CHARACTERIZATION AND TESTING METHODOLOGIES AND TECHNOLOGIES. THE THIRD PART ADDRESSES STRUCTURAL DESIGN. FINALLY, SEVERAL ADVANCED MATERIAL TECHNOLOGIES ARE COVERED IN THE FOURTH PART. SOME KEY ADVANCED TOPICS SUCH AS “STRUCTURAL DESIGN BY ASIP”, “DAMAGE MECHANICS-BASED LIFE PREDICTION AND EXTENSION” AND “PRINCIPLES OF STRUCTURAL HEALTH MONITORING” ARE DEALT WITH AT EQUAL LENGTH AS THE TRADITIONAL AEROSPACE MATERIALS TECHNOLOGY TOPICS. THIS BOOK WILL BE USEFUL TO STUDENTS, RESEARCHERS AND PROFESSIONALS WORKING IN THE DOMAIN OF AEROSPACE MATERIALS.

UNDERSTANDING GPS ELLIOTT D. KAPLAN 2006 APPENDIX B: STABILITY MEASURES FOR FREQUENCY SOURCES 665 APPENDIX C: FREE-SPACE PROPAGATION LOSS 669; ABOUT THE AUTHORS 675; INDEX 683; MOBILE COMMUNICATIONS LIBRARY.

COSMOS & CULTURE STEVEN J. DICK 2009 FROM GPO BOOKSTORE’S WEBSITE: AUTHORS WITH DIVERSE BACKGROUNDS IN SCIENCE, HISTORY, ANTHROPOLOGY, AND MORE, CONSIDER CULTURE IN THE CONTEXT OF THE COSMOS. HOW DOES OUR KNOWLEDGE OF COSMIC EVOLUTION AFFECT TERRESTRIAL CULTURE? CONVERSELY, HOW DOES OUR KNOWLEDGE OF CULTURAL EVOLUTION AFFECT OUR THINKING ABOUT POSSIBLE CULTURES IN THE COSMOS? ARE LIFE, MIND, AND CULTURE OF FUNDAMENTAL SIGNIFICANCE TO THE GRAND STORY OF THE COSMOS THAT HAS GENERATED ITS OWN SELF-UNDERSTANDING THROUGH SCIENCE, RATIONAL REASONING, AND MATHEMATICS? BOOK INCLUDES BIBLIOGRAPHICAL REFERENCES AND AN INDEX.

STAMPING THE EARTH FROM SPACE RENATO DICATI 2017-01-10 THIS UNIQUE BOOK PRESENTS A HISTORICAL AND PHILATELIC SURVEY OF EARTH EXPLORATION FROM SPACE. IT COVERS ALL AREAS OF RESEARCH IN WHICH ARTIFICIAL SATELLITES HAVE CONTRIBUTED IN DESIGNING A NEW IMAGE OF OUR PLANET AND ITS ENVIRONMENT: THE ATMOSPHERE AND IONOSPHERE, THE MAGNETIC FIELD, RADIATION BELTS AND THE MAGNETOSPHERE, WEATHER, REMOTE SENSING, MAPPING OF THE SURFACE, OBSERVATION OF THE OCEANS AND MARINE ENVIRONMENTS, GEODESY, AND THE STUDY OF LIFE AND ECOLOGICAL SYSTEMS. STAMPING THE EARTH FROM SPACE PRESENTS THE RESULTS OBTAINED WITH THE THOUSANDS OF SATELLITES LAUNCHED BY THE TWO FORMER SUPERPOWERS, THE SOVIET UNION AND THE UNITED STATES, AND ALSO THOSE OF THE MANY MISSIONS CARRIED OUT BY THE ESA, INDIVIDUAL EUROPEAN COUNTRIES, JAPAN, CHINA, INDIA, AND THE MANY EMERGING SPACE NATIONS. BEAUTIFULLY ILLUSTRATED, IT CONTAINS ALMOST 1100 COLOR REPRODUCTIONS OF PHILATELIC ITEMS. IN ADDITION TO TOPICAL STAMPS AND THEMATIC POSTAL DOCUMENTS, THE BOOK PROVIDES AN EXTENSIVE REVIEW OF ASTROPHILATELIC ITEMS. THE MOST IMPORTANT SPACE MISSIONS ARE DOCUMENTED THROUGH EVENT COVERS AND CARDS CANCELED AT LAUNCH SITES, TRACKING STATIONS, RESEARCH LABORATORIES, AND MISSION CONTROL FACILITIES.

CASHLESS RICHARD TURRIN 2021-04-16 CASHLESS DIVES INTO THE DESIGN AND USE OF CHINA’S NEW CENTRAL BANK DIGITAL CURRENCY.

INTERNATIONAL SPACE STATION (ISS) SYSTEMS ENGINEERING CASE STUDY AIR FORCE CENTER FOR SYSTEMS ENGINEERING 2017-12-04 THIS CASE STUDY ON THE INTERNATIONAL SPACE STATION CONSIDERS WHAT MANY BELIEVE TO HAVE BEEN THE ULTIMATE INTERNATIONAL ENGINEERING PROJECT IN HISTORY. THE INITIAL PLANS INVOLVED THE DIRECT PARTICIPATION OF 16 NATIONS, 88 LAUNCHES AND OVER 160 SPACEWALKS—MORE SPACE ACTIVITIES THAN NASA HAD ACCOMPLISHED PRIOR TO THE 1993 INTERNATIONAL SPACE STATION DECISION. PROBABLY MORE IMPORTANT WAS THE SIGNIFICANT LEAP IN SYSTEM ENGINEERING (SE) EXECUTION THAT WOULD BE REQUIRED TO BUILD AND OPERATE A MULTI-NATIONAL SPACE STATION. IN A SHORT PERIOD OF TIME, NASA AND ITS PARTNERS HAD TO WORK OUT HOW TO INTEGRATE CULTURALLY DIFFERENT SE APPROACHES, DESIGNS, LANGUAGES AND OPERATIONAL PERSPECTIVES ON RISK AND SAFETY. THE INTERNATIONAL COUNCIL ON SYSTEMS ENGINEERING (INCOSE) DEFINES SYSTEMS ENGINEERING (SE) AS AN “INTERDISCIPLINARY APPROACH AND MEANS TO ENABLE THE REALIZATION OF SUCCESSFUL SYSTEMS. IT FOCUSES ON DEFINING CUSTOMER NEEDS AND REQUIRED FUNCTIONALITY EARLY IN THE DEVELOPMENT CYCLE, DOCUMENTING REQUIREMENTS, AND THEN PROCEEDING WITH DESIGN SYNTHESIS AND SYSTEM VALIDATION WHILE CONSIDERING THE COMPLETE PROBLEM: OPERATIONS, PERFORMANCE, TEST, MANUFACTURING, COST AND SCHEDULE, TRAINING AND SUPPORT, AND DISPOSAL.” ONE OF THE OBJECTIVES OF THE AIR FORCE CENTER FOR SYSTEMS ENGINEERING (AFCSE) IS TO DEVELOP CASE STUDIES FOCUSING ON THE APPLICATION OF SYSTEMS ENGINEERING PRINCIPLES WITHIN VARIOUS AEROSPACE PROGRAMS. THE INTENT OF THESE CASE STUDIES IS TO EXAMINE A BROAD SPECTRUM OF PROGRAM TYPES AND A VARIETY OF LEARNING PRINCIPLES USING THE FRIEDMAN-SAGE FRAMEWORK TO GUIDE OVERALL ANALYSIS. THESE CASES SUPPORT PRACTITIONERS OF SYSTEMS ENGINEERING AND ARE ALSO USED IN THE ACADEMIC INSTRUCTION IN SYSTEMS ENGINEERING WITHIN MILITARY SERVICE ACADEMIES AND AT BOTH CIVILIAN AND MILITARY GRADUATE SCHOOLS. SYSTEMS ENGINEERING PRINCIPLES * GENERAL SYSTEMS ENGINEERING PROCESS * CASE STUDIES * FRAMEWORK FOR ANALYSIS * ISS MAJOR LEARNING PRINCIPLES AND FRIEDMAN-SAGE MATRIX * HISTORICAL BACKGROUND * SOVIET SPACE STATIONS * SKYLAB * SPACE STATION FREEDOM * SHUTTLE-MIR PROGRAM * SPACE STATION FREEDOM REDESIGN * BUDGET * STUDIES/REVIEW PANELS * CHANGES FROM SSF TO ISS * NASA SYSTEMS ENGINEERING ENVIRONMENT * NASA MANAGEMENT APPROACH * NASA CENTER APPROACHES *

SYSTEM ENGINEERS AND THE EXPERIENCE CHAIN * SYSTEMS ENGINEERING CHALLENGES OF THE ISS * SYSTEMS ENGINEERING PROCESS * INTERNATIONAL PARTNERS * SAFETY/RISK APPROACHES * FULL SCALE DEVELOPMENT * MAJOR ISS MODULES * ZARYA CONTROL MODULE * UNITY NODE * ZVEZDA SERVICE MODULE * DESTINY LABORATORY MODULE * CANADIAN SPACE ROBOTICS SYSTEM * QUEST JOINT AIRLOCK * RUSSIAN PIRS DOCKING COMPARTMENT * COLUMBUS LABORATORY * KIBO JAPANESE EXPERIMENTAL LABORATORY * CUPOLA * RUSSIAN MULTI-PURPOSE LABORATORY MODULE * MULTI-PURPOSE LOGISTICS MODULE * LAUNCH SERVICES * SHUTTLE * RUSSIAN VEHICLES * JAPANESE PROJECTS * EUROPEAN PROJECTS * COMMERCIAL CAPABILITIES * DEVELOPMENT CHALLENGES * TECHNOLOGY READINESS AND OBSOLESCENCE * USE OF PROBABILISTIC RISK ASSESSMENT * RUSSIAN CONTRIBUTION AND RISK * SPIRAL CONSTRUCTION APPROACH AND MULTI-CONFIGURATION ISSUES * COMPUTER HARDWARE AND SOFTWARE * POWER SYSTEMS * MICROMETEOROID AND ORBITAL DEBRIS (MMOD) PROTECTION * TEST AND INTEGRATION * EXECUTION ISSUES * UNREALISTIC ESTIMATES FOR COST AND SCHEDULE * IRAN, NORTH KOREA, AND SYRIA NONPROLIFERATION ACT * ISS LOGISTICAL SUPPORT * HANDLING A MAJOR COMPUTER FAILURE * TRANSPORTATION * ANOMALY RESOLUTION AND THE COLUMBIA ACCIDENT * MAJOR RISKS TO THE ISS * LONG TERM OUTLOOK * LESSONS LEARNED * ACRONYMS * SPACELAB MISSIONS * PHASE ONE-SHUTTLE-MIR MISSIONS * MISSION SUMMARIES

BASICS OF AEROTHERMODYNAMICS ERNST HEINRICH HIRSCHTEL 2006-01-16 THE LAST TWO DECADES HAVE BROUGHT TWO IMPORTANT DEVELOPMENTS FOR AEROTH- MODYNAMICS. ONE IS THAT AIRBREATHING HYPERSONIC FLIGHT BECAME THE TOPIC OF TECHNOLOGY PROGRAMMES AND EXTENDED SYSTEM STUDIES. THE OTHER IS THE EMERGENCE AND MATURING OF THE DISCRETE NUMERICAL METHODS OF AERODYN- ICS/AEROTHERMODYNAMICS COMPLEMENTARY TO THE GROUND-SIMULATION FACILITIES, WITH THE PARALLEL ENORMOUS GROWTH OF COMPUTER POWER. AIRBREATHING HYPERSONIC FLIGHT VEHICLES ARE, IN CONTRAST TO AEROASSISTED RE-ENTRY VEHICLES, DRAG SENSITIVE. THEY HAVE, FURTHER, HIGHLY INTEGRATED LIFT AND PROPULSION SYSTEMS. THIS MEANS THAT VISCOUS EFFECTS, LIKE BOUNDARY-LAYER DEVELOPMENT, LAMINAR-TURBULENT TRANSITION, TO A CERTAIN DEGREE ALSO STRONG INTERACTION PHENOMENA, ARE MUCH MORE IMPORTANT FOR SUCH VEHICLES THAN FOR RE-ENTRY VEHICLES. THIS HOLDS ALSO FOR THE THERMAL STATE OF THE SURFACE AND THERMAL SURFACE EFFECTS, CONCERNING VISCOUS AND THERMO-CHEMICAL PHENOMENA (MORE IMPORTANT FOR RE-ENTRY VEHICLES) AT AND NEAR THE WALL. THE DISCRETE NUMERICAL METHODS OF AERODYNAMICS/AEROTHERMODYNAMICS PERMIT NOW - WHAT WAS TWENTY YEARS AGO NOT IMAGINABLE - THE SIMULATION OF HIGH SPEED FLOWS PAST REAL FLIGHT VEHICLE CONFIGURATIONS WITH THERMO-CHEMICAL AND VISCOUS EFFECTS, THE DESCRIPTION OF THE LATTER BEING STILL HANDICAPPED BY INSUFFICIENT FLOW- PHYSICS MODELS. THE BENEFITS OF NUMERICAL SIMULATION FOR FLIGHT VEHICLE DESIGN ARE ENORMOUS: MUCH IMPROVED AERODYNAMIC SHAPE DEFINITION AND OPTIMIZATION, PROVISION OF ACCURATE AND RELIABLE AERODYNAMIC DATA, AND HIGHLY ACCURATE DETERMINATION OF THERMAL AND MECHANICAL LOADS. TRULY MUL- DISCIPLINARY DESIGN AND OPTIMIZATION METHODS REGARDING THE LAYOUT OF THERMAL PROTECTION SYSTEMS, ALL KINDS OF AERO-SERVOELASTICITY PROBLEMS OF THE AIRFRAME, ET CETERA, BEGIN NOW TO EMERGE.

SOVIET MILITARY POWER, 1987 1987 SOVIET MILITARY POWER 1987 REVIEWS NEW DEVELOPMENT IN THE USSR'S ARMED FORCES OVER THE PAST YEAR AND PLACES THESE IN THE CONTEXT OF CURRENT DOCTRINE AND STRATEGY. THESE DEVELOPMENTS AGAIN UNDERSCORE THAT THE USSR IS BUILDING NEW GENERATIONS OF OFFENSIVE STRATEGIC AND THEATER NUCLEAR FORCES, AS WELL AS CONVENTIONAL LAND, SEA, AND AIR FORCES AND STRATEGIC DEFENSE FORCES, GOING FAR BEYOND LEGITIMATE REQUIREMENTS FOR DEFENSE.

ROCKETS AND PEOPLE: BORIS CHERTOK 2013-04-29 MUCH HAS BEEN WRITTEN IN THE WEST ON THE HISTORY OF THE SOVIET SPACE PROGRAM BUT FEW WESTERNERS HAVE READ DIRECT FIRST-HAND ACCOUNTS OF THE MEN AND WOMEN WHO WERE BEHIND THE MANY RUSSIAN ACCOMPLISHMENTS IN EXPLORING SPACE. THE MEMOIRS OF ACADEMICIAN BORIS CHERTOK, TRANSLATED FROM THE ORIGINAL RUSSIAN, FILLS THAT GAP. CHERTOK BEGAN HIS CAREER AS AN ELECTRICIAN IN 1930 AT AN AVIATION FACTORY NEAR MOSCOW. TWENTY-SEVEN YEARS LATER, HE BECAME DEPUTY TO THE FOUNDING FIGURE OF THE SOVIET SPACE PROGRAM, THE MYSTERIOUS "CHIEF DESIGNER" SERGEY KOROLEV. CHERTOK'S SIXTY-YEAR-LONG CAREER AND THE MANY SUCCESSES AND FAILURES OF THE SOVIET SPACE PROGRAM CONSTITUTE THE CORE OF HIS MEMOIRS, ROCKETS AND PEOPLE. IN THESE WRITINGS, SPREAD OVER FOUR VOLUMES, ACADEMICIAN CHERTOK NOT ONLY DESCRIBES AND REMEMBERS, BUT ALSO ELICITS AND EXTRACTS PROFOUND INSIGHTS FROM AN EPIC STORY ABOUT A SOCIETY'S QUEST TO EXPLORE THE COSMOS. IN VOLUME 1, CHERTOK DESCRIBES HIS EARLY YEARS AS AN ENGINEER AND ENDS WITH THE MISSION TO GERMANY AFTER THE END OF WORLD WAR II WHEN THE SOVIETS CAPTURED NAZI MISSILE TECHNOLOGY AND EXPERTISE. VOLUME 2 TAKES UP THE STORY WITH THE DEVELOPMENT OF THE WORLD'S FIRST INTERCONTINENTAL BALLISTIC MISSILE (ICBM) AND ENDS WITH THE LAUNCH OF SPUTNIK AND THE EARLY MOON PROBES. IN VOLUME 3, CHERTOK RECOLLECTS THE GREAT SUCCESSES OF THE SOVIET SPACE PROGRAM IN THE 1960S INCLUDING THE LAUNCH OF THE WORLD'S FIRST SPACE VOYAGER YURIY GAGARIN AS WELL AS MANY EVENTS CONNECTED WITH THE COLD WAR. FINALLY, IN VOLUME 4, CHERTOK MEDITATES AT LENGTH ON THE MASSIVE SOVIET LUNAR PROJECT DESIGNED TO BEAT THE AMERICANS TO THE MOON IN THE 1960S, ENDING WITH HIS REMEMBRANCES OF THE ENERGIYA-BURAN PROJECT. NASA SP-2005-4110.

DEADLY DORIAN JOCELYNN DRAKE 2018-04-15 SOMEONE IS TRYING TO KILL MARC FOSTER. ATTEMPTED POISONING WAS BAD ENOUGH, BUT WHEN THE WOULD-BE KILLER MESSSES WITH THE BRAKES ON MARC'S PRECIOUS PORSCHÉ, THE ART DEALER ADMITS HE NEEDS HELP. HE JUST WASN'T EXPECTING HELP TO BE QUITE SO DARK AND SEXY. ROYCE KARRAS LOVES HIS JOB AT WARD SECURITY. HE'S MAKING UP FOR A LIFETIME OF BAD DECISIONS AND A BLOODY PAST HE'D RATHER FORGET. BUT MARC ISN'T THE SPOILED RICH BOY HE THOUGHT HE'D BE PROTECTING. STICKING CLOSE TO MARC AS HIS "BOYFRIEND" GIVES ROYCE INSIGHT INTO HIS TOXIC FAMILY, BUT IT ALSO REVEALS A BRILLIANT, COMPASSIONATE MAN WHO COMPLETELY DISARMS ROYCE. AGAINST HIS BETTER JUDGMENT, ROYCE FINDS HIMSELF FALLING. BUT CAN THEY FIND A WAY TO MAKE IT WORK WHEN ROYCE'S PAST THREATENS TO TEAR THEIR LIVES APART? THEIR FUTURE HINGES ON A LOST RENAISSANCE PAINTING, SIX BICHON FRISES, AND A PORNOGRAPHIC ROBIN HOOD. NO WORRIES, RIGHT?

PRACTICAL ENGLISH PHONETICS AND PHONOLOGY BEVERLEY COLLINS 2019-04-26 ROUTLEDGE ENGLISH LANGUAGE INTRODUCTIONS COVER CORE AREAS OF LANGUAGE STUDY AND ARE ONE-STOP RESOURCES FOR STUDENTS. ASSUMING NO PRIOR KNOWLEDGE, BOOKS IN THE SERIES OFFER AN ACCESSIBLE OVERVIEW OF THE SUBJECT, WITH ACTIVITIES, STUDY QUESTIONS, SAMPLE ANALYSES, COMMENTARIES AND KEY READINGS - ALL IN THE SAME VOLUME. THE INNOVATIVE AND FLEXIBLE 'TWO-DIMENSIONAL' STRUCTURE IS BUILT AROUND FOUR SECTIONS - INTRODUCTION, DEVELOPMENT, EXPLORATION AND EXTENSION - WHICH OFFER SELF-CONTAINED STAGES FOR STUDY. REVISED AND UPDATED THROUGHOUT, THIS FOURTH EDITION OF PRACTICAL ENGLISH PHONETICS AND PHONOLOGY: PRESENTS THE ESSENTIALS OF THE SUBJECT AND THEIR DAY-TO-DAY APPLICATIONS IN AN ENGAGING AND ACCESSIBLE MANNER; COVERS ALL THE CORE CONCEPTS OF PHONETICS AND PHONOLOGY, SUCH AS THE PHONEME, SYLLABLE STRUCTURE, PRODUCTION OF SPEECH, VOWEL AND CONSONANT POSSIBILITIES, GLOTTAL SETTINGS, STRESS, RHYTHM, INTONATION AND THE SURPRISES OF CONNECTED SPEECH; INCORPORATES CLASSIC READINGS FROM KEY NAMES IN THE DISCIPLINE; OUTLINES THE SOUND SYSTEMS OF SIX KEY LANGUAGES FROM AROUND THE WORLD (SPANISH, FRENCH, ITALIAN, GERMAN, POLISH AND JAPANESE); IS ACCOMPANIED BY A BRAND-NEW COMPANION WEBSITE WHICH HOSTS A COLLECTION OF SAMPLES PROVIDED BY GENUINE SPEAKERS OF 25 ACCENT VARIETIES FROM BRITAIN, IRELAND, THE USA, CANADA, AUSTRALIA, NEW ZEALAND, SOUTH AFRICA, INDIA, SINGAPORE AND WEST AFRICA, AS WELL AS TRANSCRIPTIONS, FURTHER STUDY QUESTIONS, ANSWER KEYS, LINKS TO FURTHER READING AND NUMEROUS RECORDINGS TO ACCOMPANY ACTIVITIES IN THE BOOK. THIS EDITION HAS BEEN COMPLETELY REORGANISED AND NEW FEATURES INCLUDE: UPDATED DESCRIPTIONS OF THE SOUNDS OF MODERN ENGLISH AND THE ADOPTION OF THE TERM GENERAL BRITISH (GB); CONSIDERABLE EXPANSION OF THE TREATMENT OF INTONATION, INCLUDING NEW RECORDINGS; AND TWO NEW READINGS BY DAVID CRYSTAL AND JOHN WELLS. WRITTEN BY AUTHORS WHO ARE EXPERIENCED TEACHERS AND RESEARCHERS, THIS BEST-SELLING TEXTBOOK WILL APPEAL TO ALL STUDENTS OF ENGLISH LANGUAGE AND LINGUISTICS AND THOSE TRAINING FOR A CERTIFICATE IN TEFL.

THE GRIT FACTOR SHANNON HUFFMAN POLSON 2020-08-18 WHAT DOES IT TAKE FOR WOMEN TO SUCCEED IN A MALE-DOMINATED WORLD? THE GRIT FACTOR. AT AGE NINETEEN, SHANNON HUFFMAN POLSON BECAME THE YOUNGEST WOMAN EVER TO CLIMB DENALI, THE HIGHEST MOUNTAIN IN NORTH AMERICA. SHE WENT ON TO REACH THE SUMMITS OF MT. RAINIER AND MT. KILIMANJARO AND SPENT MORE THAN A DECADE TRAVELING THE WORLD. YET IT WAS DURING HER EXPERIENCE SERVING AS ONE OF THE ARMY'S FIRST FEMALE ATTACK HELICOPTER PILOTS, AND EVENTUALLY LEADING AN APACHE FLIGHT PLATOON ON DEPLOYMENT TO BOSNIA-HERZEGOVINA, THAT SHE LEARNED THE LESSONS OF LEADERSHIP THAT FOREVER CHANGED HER LIFE. WHERE DID THESE INSIGHTS COME FROM? FROM HER OWN CRUCIBLES OF EXPERIENCE—AND FROM OTHER WOMEN. IN WRITING THE GRIT FACTOR, POLSON MADE IT HER MISSION TO CONNECT WITH AN ELITE PACK OF TOUGH, IMPRESSIVE FEMALE ICONOCLASTS WHO SHARED WITH HER THEIR CANDID STORIES OF COMBAT AND CAREER. THIS SLATE OF DECORATED LEADERS INCLUDES HEATHER PENNEY, ONE OF THE FIRST FEMALE F-16 PILOTS, WHO WAS PUT ON A SUICIDE MISSION FOR 9/11; GENERAL ANN DUNWOODY, THE FIRST FEMALE FOUR-STAR GENERAL IN THE ARMY; AMY McGRATH, THE FIRST FEMALE MARINE TO FLY THE F/A-18 IN COMBAT AND A 2020 CANDIDATE FOR THE US SENATE—AND DOZENS OF OTHER UNSTOPPABLE WOMEN WHO GOT THERE FIRST, INCLUDING POLSON HERSELF. THESE WOMEN LED AT THE HIGHEST LEVELS IN THE MOST COMPLICATED, CHALLENGING, AND MALE-DOMINATED ORGANIZATION IN THE WORLD. NOW, IN THE POST-#MeToo ERA, WHEN POSITIVE ROLE MODELS OF WOMEN LEADING ARE NEEDED AS NEVER BEFORE, POLSON BRINGS THESE VOICES TOGETHER, SHARING HER OWN LIFE LESSONS AND THEIRS WITH STORYTELLING FLAIR, KEEN INSIGHT, AND INCISIVE ANALYSIS OF CURRENT RESEARCH. WITH ITS GRIPPING NARRATIVE AND RELATABLE TAKEAWAYS, THE GRIT FACTOR IS BOTH INSPIRING AND PRAGMATIC, A BOOK THAT WILL ENERGIZE AND ENLIGHTEN CURRENT AND ASPIRING LEADERS EVERYWHERE—WHETHER MALE OR FEMALE.

TIME NOR TIDE BEN HARKIN 2020

THE CASPIAN SEA ENCYCLOPEDIA IGOR S. ZONN 2010-05-26 "THE CASPIAN SEA ENCYCLOPEDIA" IS THE SECOND ONE IN THE NEW SERIES OF ENCYCLO- DIAS ABOUT THE SEAS OF THE FORMER SOVIET UNION PUBLISHED BY SPRINGER-VERLAG. THE FIRST VOLUME - "THE ARAL SEA ENCYCLOPEDIA" WAS PUBLISHED BY SPRINGER IN 2009. THE SERIES WILL BE CONTINUED BY "THE BLACK SEA ENCYCLOPEDIA" IN 2010. TODAY THE CASPIAN SEA IS KNOWN TO READERS THANKS TO ITS OIL AND GAS RESOURCES, STURGEON AND CAVIAR, SIGNIFICANT SEA-LEVEL VARIATIONS, SOCIO-ECONOMIC AND POLITICAL PROBLEMS. THE CAUCASUS AND CENTRAL ASIA ([HTTP://EURODIALOGUE.ORG/?LES/FCKEDITOR_?LES/CASPIAN-S- MAP2. PNG](http://eurodialogue.org/?les/fckeditor_?les/CASPIAN-S- map2. png)) VII VIII INTRODUCTION FOR MORE THAN 250 YEARS THE CASPIAN SEA WAS SHARED BY TWO STATES: RUSSIA (THE SOVIET UNION) AND PERSIA (IRAN). AFTER THE DISINTEGRATION OF THE USSR IN 1992, THE NEW INDEPENDENT STATES OF AZERBAIJAN, TURKMENISTAN AND KAZAKHSTAN HAVE RADICALLY CHANGED THE POLITICAL AND ECONOMIC SITUATION IN THE REGION. IN ADDITION TO RUSSIA AND IRAN, WHO HAD DETERMINED THE SITUATION ON THE CASPIAN FOR A LONG PERIOD, AZERBAIJAN, TURKMENISTAN AND KAZAKHSTAN ARE NOW INTERESTED PARTIES, BEGINNING A NEW STAGE IN THE HISTORICAL DEVELOPMENT OF THE CASPIAN REGION. THIS INCREASE IN THE NUMBER OF THE CASPIAN LEGAL ENTITIES FROM TWO TO THREE HAS GIVEN RISE TO A WHOLE TANGLE OF GEOPOLITICAL, ECONOMIC, INTERNATIONAL LEGAL, ETHNIC AND ENVIRONMENTAL PROBLEMS, EACH OF WHICH DEMANDS ITS OWN APPROACH AND SETTLEMENT MECHANISM.

HOW HIGH THE SKY? THOMAS GANGALE 2018-12-13 IN HOW HIGH THE SKY?, JURIST THOMAS GANGALE EXPLORES THE OLDEST AND MOST IMPORTANT CONTROVERSY IN SPACE LAW: HOW FAR UP DOES NATIONAL AIRSPACE GO, AND WHERE DOES THE INTERNATIONAL ENVIRONMENT OF OUTER SPACE BEGIN? EVEN THOUGH NATIONS DID NOT OBJECT TO THE FIRST SATELLITES FLYING OVER THEIR SOVEREIGN TERRITORY, AFTER MORE THAN SIX DECADES THERE IS STILL NO INTERNATIONAL AGREEMENT ON HOW LOW THE RIGHT OF SPACE OBJECT OVERFLIGHT EXTENDS, NOR ARE THERE AGREED LEGAL DEFINITIONS OF "SPACE OBJECT" AND "SPACE ACTIVITY." DR. GANGALE BRINGS HIS BACKGROUND AS AN AEROSPACE ENGINEER TO BEAR IN EXPLODING LONG-HELD BELIEFS OF THE LEGAL COMMUNITY, AND HE OFFERS A DRAFT INTERNATIONAL CONVENTION TO SETTLE THE OLDEST AND MOST INTRACTABLE PROBLEMS IN SPACE LAW.

THE LIGHTS IN THE TUNNEL MARTIN FORD 2009 A COMPUTER ENGINEER FROM SILICON VALLEY EMPLOYS A POWERFUL THOUGHT EXPERIMENT TO EXPLORE THE ECONOMY OF THE FUTURE. AN IMAGINARY "TUNNEL OF LIGHTS" IS USED TO VISUALIZE THE ECONOMIC

IMPLICATIONS OF THE NEW TECHNOLOGIES THAT ARE LIKELY TO APPEAR IN THE COMING YEARS AND DECADES. CHALLENGED ARE NEARLY ALL CONVENTIONAL VIEWS OF THE FUTURE AND THE DANGER THAT LIES AHEAD IF WE DO NOT PLAN FOR THE IMPACT OF RAPIDLY ADVANCING TECHNOLOGY IS ILLUMINATED. IT ALSO OFFERS UNIQUE INSIGHTS INTO HOW TECHNOLOGY WILL INTERTWINE WITH GLOBALIZATION TO SHAPE THE REMAINDER OF THE 21ST CENTURY, AND EXPLORES WAYS IN WHICH THE ECONOMIC REALITIES OF THE FUTURE MIGHT OFFER NEW APPROACHES TO ADDRESSING GLOBAL CHALLENGES SUCH AS POVERTY AND CLIMATE CHANGE.

THE SPACEFARER'S HANDBOOK BERGITA GANSE 2020 NOW IS THE TIME TO FLY TO SPACE! NEW TECHNOLOGICAL DEVELOPMENTS, COMMERCIALISATION OF SPACEFLIGHT AND ADVANCES IN SPACE MEDICINE HAVE MADE HUMAN SPACE TRAVEL MORE ATTAINABLE THAN EVER BEFORE. THIS ENTERTAINING BUT NEVERTHELESS AUTHORITATIVE BOOK GIVES A PRACTICAL INTRODUCTION TO SPACE TRAVEL FROM A NUMBER OF VIEWPOINTS: HOW SPACECRAFT ARE BUILT, HOW TO STEER AND NAVIGATE THEM, INSTRUCTIONS FOR A COMFORTABLE EVERYDAY LIFE IN SPACE AND A GUIDE TO REMAIN HEALTHY AND STRONG IN WEIGHTLESSNESS. THE SPACEFARER'S HANDBOOK IS FULL OF ADVICE, TIPS AND ANECDOTES TO PREPARE THE READER FOR THEIR OWN TRIP TO SPACE. AT THE SAME TIME, IT DOES NOT LOSE THE SCIENTIFIC PERSPECTIVE ON SPACEFLIGHT. THE AUTHORS, A PHYSICIST AND A SPACE MEDICINE SPECIALIST, EXPLAIN THE UNDERLYING CONCEPTS RIGOROUSLY AND INCLUDE RECENT RESEARCH FINDINGS. FROM THE OPERATING PRINCIPLES OF ROCKET ENGINES, VIA BONE LOSS IN WEIGHTLESSNESS TO THE METHANE LAKES OF TITAN, THIS BOOK CONTAINS EVERYTHING ASPIRING SPACEFARERS NEED TO KNOW! "HIGHLY RECOMMENDED FOR EVERYONE WHO WANTS TO FLY TO SPACE AND ALL PASSENGERS OF OUR MOTHERSHIP EARTH!" HANS SCHLEGEL, ESA ASTRONAUT.

RUSSIA'S COSMONAUTS REX D. HALL 2007-10-05 THERE IS NO COMPETITION SINCE THIS IS THE FIRST BOOK IN THE ENGLISH LANGUAGE ON COSMONAUT SELECTION AND TRAINING OFFERS A UNIQUE AND ORIGINAL DISCUSSION ON HOW RUSSIA PREPARES ITS COSMONAUTS FOR SPACEFLIGHT. CONTAINS ORIGINAL INTERVIEWS AND PHOTOGRAPHS WITH FIRST-HAND INFORMATION OBTAINED BY THE AUTHORS ON VISITS TO STAR CITY PROVIDES AN INSIGHT TO THE ROLE OF COSMONAUTS IN THE GLOBAL SPACE PROGRAMME OF THE FUTURE. REVIEWS THE TRAINING BOTH OF RUSSIAN COSMONAUTS IN OTHER COUNTRIES AND OF FOREIGN COSMONAUTS IN STAR CITY

HUMAN SPACEFLIGHT WILEY J. LARSON 2000 "HUMAN SPACEFLIGHT: MISSION ANALYSIS AND DESIGN" IS FOR YOU IF YOU MANAGE, DESIGN, OR OPERATE SYSTEMS FOR HUMAN SPACEFLIGHT! IT PROVIDES END-TO-END COVERAGE OF DESIGNING HUMAN SPACE SYSTEMS FOR EARTH, MOON, AND MARS. IF YOU ARE LIKE MANY OTHERS, THIS WILL BECOME THE DOG-EARED BOOK THAT IS ALWAYS ON YOUR DESK - AND USED. THE BOOK INCLUDES OVER 800 RULES OF THUMB AND SANITY CHECKS THAT WILL ENABLE YOU TO IDENTIFY KEY ISSUES AND ERRORS EARLY IN THE DESIGN PROCESSES. THIS BOOK WAS WRITTEN BY GROUP OF 67 PROFESSIONAL ENGINEERS, MANAGERS, AND EDUCATORS FROM INDUSTRY, GOVERNMENT, AND ACADEMIA THAT COLLECTIVELY SHARE OVER 600 YEARS OF SPACE-RELATED EXPERIENCE! THE TEAM FROM THE UNITED STATES, AUSTRIA, CANADA, FRANCE, GERMANY, JAPAN, AND RUSSIA WORKED FOR FOUR-AND-ONE-HALF YEARS TO CAPTURE INDUSTRY AND GOVERNMENT BEST PRACTICES AND LESSONS-LEARNED FROM INDUSTRY AND GOVERNMENT IN AN EFFORT TO BASELINE GLOBAL CONCEPTUAL DESIGN EXPERIENCE FOR HUMAN SPACEFLIGHT. "HUMAN SPACEFLIGHT: MISSION ANALYSIS AND DESIGN" PROVIDES A MUCH-NEEDED BIG-PICTURE PERSPECTIVE THAT CAN BE USED BY MANAGERS, ENGINEERS AND STUDENTS TO INTEGRATE THE MYRIAD OF ELEMENTS ASSOCIATED WITH HUMAN SPACEFLIGHT.