This section serves as a foundation for this exhaustive reference tool by addressing underlying principles essential to the understanding of Human Resources Management. Chapters found within these pages provide an excellent framework in which to position Human Resources Management within the field of information science and technology. Insight regarding the critical incorporation of global measures into Human Resources Management is addressed, while crucial stumbling blocks of this field are explored. With 11 chapters comprising this foundational section, the reader can learn and choose from a compendium of expert research on the elemental theories underscoring the Human Resources Management discipline.

Chapter 1
The War for Talent: Identifying Competences in IT Professionals through Semantics.......................... 1
Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain
Marcos Ruano-Mayoral, EgeoIT, Spain
Pedro Soto-Acosta, Universidad de Murcia, Spain
Ángel García-Crespo, Universidad Carlos III de Madrid, Spain

Chapter 2
East and West, Past and Present: Rekindle Old Principles for New Management Practices............... 13
Connie Zheng, Deakin University, Australia

Chapter 3
The Influence of Information Technology on Organizational Behavior: Study of Identity Challenges in Virtual Teams................................................................. 23
Babak Sohrabi, University of Tehran, Iran
Aryan Gholipour, University of Tehran, Iran
Behnam Amiri, University of Tehran, Iran
Chapter 4
Quality Assurance through Innovation Policy: The Pedagogical Implications on Engineering Education

Marlia Puteh, Universiti Teknologi, Malaysia
Kamsiah Mohd Ismail, Universiti Teknologi, Malaysia

Chapter 5
An Exploratory Cross-National Study of Information Sharing and Human Resource Information Systems

Bongsug (Kevin) Chae, Kansas State University, USA
J. Bruce Prince, Kansas State University, USA
Jeffrey Katz, Western Kentucky University, USA
Rüdiger Kabst, Justus-Liebig-Universität, Germany

Chapter 6
IT Human Resources: Experts at Talent Management and Critical Partners to the CIO

Phil Schneidermeyer, Heidrick & Struggles, USA

Chapter 7
Strategic Human Resource Management and Organizational Performance

P.C. Bahuguna, University of Petroleum & Energy Studies, India
P. Kumari, Kanya Gurukul Mahavidyalaya, India

Chapter 8
Knowledge Worker Profile: A Framework to Clarify Expectations

Gulgun Kayakutlu, Istanbul Technical University, Turkey

Chapter 9
Knowledge Strategy: Its Mitigating Effects on the Organization

Joseph Kasten, Dowling College, USA

Chapter 10
Assigning People as Number One Priority: Engaging With Disadvantaged Communities in Healthcare Research

Walid El Ansari, University of Gloucestershire, UK

Chapter 11
Human Resource Development and Technology Integration

Jia Wang, Texas A&M University, USA
Section 2
Development and Design Methodologies

This section provides in-depth coverage of conceptual architecture frameworks to provide the reader with a comprehensive understanding of the emerging developments within the field of Human Resources Management. Research fundamentals imperative to the understanding of developmental processes within Human Resources Management are offered. From broad examinations to specific discussions on methodology, the research found within this section spans the discipline while offering detailed, specific discussions. From basic designs to abstract development, these chapters serve to expand the reaches of development and design technologies within the Human Resources Management community. This section includes 10 contributions from researchers throughout the world on the topic of Human Resources Management.

Chapter 12
HRM Adaptation to Knowledge Management Initiatives: Three Mexican Cases................................. 170
Laura Zapata-Cantú, Tecnologico de Monterrey, México
Jacobo Ramírez, Tecnologico de Monterrey, México
José Luis Pineda, Tecnologico de Monterrey, México

Chapter 13
An Integrated Methodology to Detect the Evolution of Virtual Organizational Communities ................................................................. 191
Marco De Maggio, University of Salento (Lecce), Italy
Francesca Grippa, University of Salento (Lecce), Italy

Chapter 14
St.Wisnu Wijaya, Sanata Dharma University, Indonesia
Aris Dwiatmoko, Sanata Dharma University, Indonesia
Kridanto Surendro, Institute of Technology Bandung, Indonesia
Husni S Sastramihardja, Institute of Technology Bandung, Indonesia

Chapter 15
The Competency-Based Human Resource Management Model................................................................. 232
Jorge Valdés Conca, University of Alicante, Spain
Susana de Juana-Espinosa, University of Alicante, Spain

Chapter 16
The Financial Related Analysis on Sales Management and Human Resources by Means of BI Type Solutions ................................................................. 253
Luminiţa Şerbănescu, University of Piteşti, Romania
Magdalena Rădulescu, University of Piteşti, Romania
Chapter 17
Recruitment and Retention of Healthcare Professionals for the Changing Demographics, Culture, and Access in Canada

Stefane M. Kabene, University of Western Ontario, Canada
Melody Wolfe, University of Western Ontario, Canada
Raymond Leduc, University of Western Ontario, Canada

Chapter 18
Integration of Predated Notifications of Personal Actions for HR-Planning in ERP-Systems

Peter Cissek, University of Magdeburg, Germany
Jorge Marx Gomez, University of Oldenburg, Germany

Chapter 19
Human Resource Related Problems in Agile and Traditional Software Project Process Models

Stefan Koch, Bogazici University, Turkey
Gerhard Turk, Vienna University of Economics and Business, Austria

Chapter 20
Personnel Performance Appraisal Coverage in ITIL, COBIT and CMMi: A Study from the Perspective of People-CMM

Cristina Casado-Lumbreras, Universidad Complutense de Madrid, Spain
Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain
Adrián Hernández-López, Universidad Carlos III de Madrid, Spain
Pedro Soto-Acosta, Universidad de Murcia, Spain

Chapter 21
Investigating Temporal Structure Usage in Individual Time Management Practices: Two In-Depth Field Interviews

Dezhi Wu, Southern Utah University, USA

Section 3
Tools and Technologies

This section presents an extensive coverage of various tools and technologies available in the field of Human Resources Management that practitioners and academicians alike can utilize to develop different techniques. These chapters enlighten readers about fundamental research on the many tools facilitating the burgeoning field of Human Resources Management. It is through these rigorously researched chapters that the reader is provided with countless examples of the up-and-coming tools and technologies emerging from the field of Human Resources Management. With 11 chapters, this section offers a broad treatment of some of the many tools and technologies within the Human Resources Management field.
Chapter 22
Team Dynamics in Virtual Spaces: Challenges for Workforce Training, Human Resource Development, and Adult Development
Martha C. Yopp, University of Idaho, USA
Allen Kitchel, University of Idaho, USA

Chapter 23
Evaluation of Corporate Structure Based on Social Network Analysis
Sebastian Palus, Wroclaw University of Technology, Poland
Przemyslaw Kazienko, Wroclaw University of Technology, Poland
Radoslaw Michalski, Wroclaw University of Technology, Poland

Chapter 24
Social Media: Opportunities and Challenges for Human Resource Management
Archana Tyagi, Institute of Management Technology and Centre for Distance Learning, Ghaziabad, India & University of Business and International Studies, Switzerland
Ragini Tyagi, TATA Steel Limited, India

Chapter 25
Sources of Legitimacy for the M-Government Initiatives in Turkey: Human vs. Technical Resource Management Concerns
N. Meltem Cakici, Gediz University, Turkey
Ronan de Kervenoael, Sabanci University & Aston University, Turkey

Chapter 26
Promoting Digital Competences through Social Software: A Case Study at the Rovira i Virgili University
Teresa Torres-Coronas, Universitat Rovira i Virgili, Spain
Maria Arantzazu Vidal-Blasco, Universitat Rovira i Virgili, Spain

Chapter 27
Scientific Computing in the Context of a Successful Agricultural Research Enterprise
Geraldo da Silva e Souza, Brazilian Agricultural Research Corporation - Secretariat for Strategic Planning, Brasilia, Brazil
Eliseu Roberto de Andrade Alves, Brazilian Agricultural Research Corporation - Secretariat for Strategic Planning, Brasilia, Brazil

Chapter 28
Introducing a First Step towards a Holistic Talent Management System Architecture
Andreas Eckhardt, Goethe University, Germany
Sven Laumer, Otto-Friedrich University Bamberg, Germany
Christian Maier, Otto-Friedrich University Bamberg, Germany
Chapter 29
Lotus Workforce Management: Streamlining Human Resource Management ......................... 455
  Jerh. O’Connor, IBM, Ireland
  Ronan Dalton, IBM, Ireland
  Don Naro, IBM, Ireland

Chapter 30
Applicability Assessment of Semantic Web Technologies in Human Resources Domain .......... 470
  Valentina Janev, The Mihajlo Pupin Institute, Serbia
  Sanja Vraneš, The Mihajlo Pupin Institute, Serbia

Chapter 31
Human Talent Forecasting using Data Mining Classification Techniques ............................. 486
  Hamidah Jantan, Universiti Teknologi MARA & Universiti Kebangsaan Malaysia, Malaysia
  Abdul Razak Hamdan, Universiti Kebangsaan Malaysia, Malaysia
  Zulaiha Ali Othman, Universiti Kebangsaan Malaysia, Malaysia

Chapter 32
An Introduction to Structural Equation Modeling (SEM) and the Partial Least Squares (PLS) Methodology .............................................................. 500
  Nicholas J. Ashill, American University of Sharjah, UAE

Volume II

Section 4
Utilization and Application

This section discusses a variety of applications and opportunities available that can be considered by practitioners in developing viable and effective Human Resources Management programs and processes. This section includes 10 chapters that review topics from best practices in Asia to ongoing research in the United States. Further chapters discuss Human Resources Management in a variety of settings (business process modeling, succession planning, outsourcing, etc.). Contributions included in this section provide excellent coverage of today’s IT community and how research into Human Resources Management is impacting the social fabric of our present-day global village.

Chapter 33
Budding Researchers in the Humanities: An Intercultural Online Project ............................... 521
  Vander Viana, Queen’s University Belfast, UK
  Anna Chesnokova, Kyiv National Linguistic University, Ukraine
  Sonia Zyngier, Federal University of Rio de Janeiro, Brazil
  Willie van Peer, Ludwig Maximilian University Munich, Germany
Chapter 34
An Ontological Business Process Modeling Approach for Public Administration:
The Case of Human Resource Management.......................................................... 535
Ioannis Savvas, Agricultural University of Athens, Greece & Aristotle University of
Thessaloniki, Greece
Nick Bassiliades, Aristotle University of Thessaloniki, Greece
Kalliopi Kravari, Aristotle University of Thessaloniki, Greece
Georgios Meditskos, Aristotle University of Thessaloniki, Greece

Chapter 35
Developments of e-Government in Sri Lanka: Opportunities and Challenges.................. 564
Kanishka Karunasena, RMIT University, Australia
Hepu Deng, RMIT University, Australia
Anuradha Karunasena, RMIT University, Australia

Chapter 36
A Systematic Review of Distributed Software Development Problems and Solutions........... 583
Miguel Jiménez, Alhambra-Eidos, Spain
Mario Piattini, University of Castilla-La Mancha, Spain
Aurora Vizcaíno, University of Castilla-La Mancha, Spain

Chapter 37
Making Room for E-Government through Succession Planning .................................. 600
Kim Loutzenhiser, Troy University, USA

Chapter 38
Assessing Adequacy of Leisure and Recreation Facilities in KFUPM Campus:
A Futuristic Need-Gap Perspective................................................................. 611
Adel S. Aldosary, King Fahd University of Petroleum & Minerals, Saudi Arabia
Kh. Md. Nahiduzzaman, King Fahd University of Petroleum & Minerals, Saudi Arabia

Chapter 39
Promoting Success in the Introduction of Health Information Systems ....................... 631
Paulo Teixeira, Instituto Politécnico do Cávado e do Ave, Portugal
Patrícia Leite Brandão, Instituto Politécnico do Cávado e do Ave, Portugal
Álvaro Rocha, Universidade Fernando Pessoa, Portugal

Chapter 40
Work Practices to Curb Attrition in the Indian Hi-Tech Software Development Industry:
A Structurational Analysis............................................................... 642
Anuradha Mathrani, Massey University, New Zealand
Sanjay Mathrani, Massey University, New Zealand
Chapter 41
Outsourcing in Knowledge-Based Service Firms ................................................................. 658
Ingi Runar Edvardsson, University of Akureyri, Iceland
Gudmundur Kristjan Oskarsson, University of Akureyri, Iceland

Chapter 42
Investment in Transaction-Specific Assets and Opportunistic Behavior in a Chinese Supply Chain .................................................................................................................... 675
Xiande Zhao, Chinese University of Hong Kong, Hong Kong
Yi Liu, Xi’an Jiaotong University, China
Liping Qian, Chongqing University, China
Barbara B. Flynn, Indiana University, USA

Section 5
Organizational and Social Implications

This section includes a wide range of research pertaining to the social and behavioral impact of Human Resources Management around the world. Chapters introducing this section critically analyze and discuss trends in Human Resources Management, such as transnational learning, collaboration, action research, and SME success factors. Additional chapters included in this section look at ICT policies and organizational justice. Also investigating a concern within the field of Human Resources Management is research which discusses the effects of trust in Human Resources Management. With 10 chapters, the discussions presented in this section offer research into the integration of global Human Resources Management as well as implementation of ethical and workflow considerations for all organizations.

Chapter 43
Transnational Learning and Collaboration in Delivering MBA Programs in Emerging Markets: The Challenge of National Culture .................................................................................. 703
Stephanie Jones, Maastricht School of Management, The Netherlands

Chapter 44
Using Action Research to Assess Student Performance in Traditional vs. E-Learning Formats .................................................................................................................................................. 718
Retta Guy, Tennessee State University, USA
Craig Wishart, Fayetteville State University, USA

Chapter 45
21st Century Learning Opportunities for SME Success: Maximizing Technology Tools and Lifelong Learning for Innovation and Impact ................................................................................. 731
Kathleen P. King, University of South Florida, USA
John J Foley III, Citigroup, USA
Chapter 46
Cross-Cultural Learning and Intercultural Competence ......................................................... 753
    Pi-Chi Han, University of Missouri-St. Louis, USA

Chapter 47
Analysis of Social Media in Administration: Epistemological and Practical Considerations .......... 769
    Karoll Haussler Carneiro Ramos, Universidade de Brasília, Brazil
    Joselice Ferreira Lima, Universidade de Brasília, Brazil
    Flávio Elias de Deus, Universidade de Brasília, Brazil
    Luis Fernando Ramos Molinaro, Universidade de Brasília, Brazil

Chapter 48
Understanding Shared Services: An Exploration of the IS Literature ...................................... 785
    Suraya Miskon, Queensland University of Technology, Australia
    Wasana Bandara, Queensland University of Technology, Australia
    Erwin Fielt, Queensland University of Technology, Australia
    Guy Gable, Queensland University of Technology, Australia

Chapter 49
Employees’ Perceptions on Organisational Justice, Job Control and Job Demands:
    Liina-Kaisa Tynkkynen, University of Tampere, Finland
    Timo Sinervo, National Institute for Health and Welfare (THL), Finland
    Marko Eloainio, National Institute for Health and Welfare (THL), Finland
    Juhani Lehto, University of Tampere, Finland
    Anna-Maija Koivisto, University of Tampere, Finland
    Anja Noro, National Institute for Health and Welfare (THL), Finland
    Harriet Finne-Soveri, National Institute for Health and Welfare (THL), Finland

Chapter 50
Communicating in Multicultural Firms: Boundary Creation, Fragmentation and the Social Use of ICT ......................................................................................................................... 819
    Jakob Lauring, Department of Management, Aarhus School of Business, Aarhus University, Denmark
    Anders Klitmøller, Department of Management, Aarhus School of Business, Aarhus University, Denmark

Chapter 51
The Human Factor in Quality: Examining the ISO 9000 and Business Excellence Frameworks in Selected Greek Organizations ........................................................................... 837
    Fotis Vouzas, University of Macedonia, Greece
Section 6
Managerial Impact

This section presents contemporary coverage of the social implications of Human Resources Management, more specifically related to the corporate and managerial utilization of information sharing technologies and applications, and how these technologies can be extrapolated to be used in Human Resources Management. Core ideas such as motivation, gender equality, recruiting, and other determinants that affect the intention to adopt technological innovations in Human Resources Management are discussed. Equally as crucial, chapters within this section discuss how leaders can utilize Human Resources Management applications to get the best outcomes from their employees and customers.

Chapter 53
Managing Professions for Knowledge Management

Enrico Scarso, University of Padua, Italy
Ettore Bolisani, University of Padua, Italy

Chapter 54
Managing and Motivating: Pragmatic Solutions to the Brain Drain

Eilish McAuliffe, University of Dublin, Ireland
Ogenna Manafa, University of Dublin, Ireland
Cameron Bowie, College of Medicine, Malawi
Lucy Makoa, National University of Lesotho, Lesotho
Fresier Maseko, College of Medicine, Malawi
Mamello Moleli, National University of Lesotho, Lesotho & Ministry of Health and Social Welfare, Lesotho
David Hevey, University of Dublin, Ireland

Chapter 55
Creating the Environment for High Performing Distributed Teams: Human Resource Strategies and Practices

Tim Rahschulte, George Fox University, USA
Jim Steele, George Fox University USA
Chapter 56
Effective Virtual Project Management Using Multiple E-Leadership Styles ........................................... 921
Margaret R. Lee, Capella University, USA

Chapter 57
Analysis of Gender Equality in Higher Management Levels: A Study Model............................................. 931
Nuria Calvo, University of A Coruña, Spain
María Bastida, University of Santiago de Compostela, Spain
Jacobo Feás, University of Santiago de Compostela, Spain

Chapter 58
Listening and Leadership.......................................................................................................................... 948
Javier Pagán Castaño, Portsmouth University, UK
Dolores Garzón Benítez, Polytechnic University of Valencia, Spain

Chapter 59
Strategic and Organizational Considerations Related to an E-Learning Model:
A Case of Study ........................................................................................................................................ 966
Nuria Calvo, University of A Coruña, Spain
Paolo Rungo, University of A Coruña, Spain
Ignacio Moreno, ICARINDI S.L., Spain

Chapter 60
Talent Management: A New Perspective in Human Resource Management............................................ 978
Roberto Luna-Arocas, University of Valencia, Spain

Chapter 61
Research and Output Management in Digital Era: Emerging Challenges at UB .................................. 994
M. B. M. Sekhwela, University of Botswana, Botswana

Chapter 62
Recruiting, Selecting and Motivating Human Resources: Methodological Analysis and Case
Studies Applications................................................................................................................................. 1007
Konstantinos C. Zapoundis, Aristotle University of Thessaloniki, Greece
Glykeria Kalfakakou, Aristotle University of Thessaloniki, Greece

Chapter 63
Human Capital Management and Optimization: A Resource-Based View............................................. 1023
Jürgen Mühlbacher, WU Vienna University of Economics and Business, Austria
Volume III

Section 7
Critical Issues

This section contains 11 chapters, giving a wide variety of perspectives on Human Resources Management and its implications. Such perspectives include reading in fair compensation, fulfillment, ethics, and several more. The section also discusses new considerations within organizational culture and group dynamics. Within the chapters, the reader is presented with an in-depth analysis of the most current and relevant issues within this growing field of study. Crucial questions are addressed and alternatives offered, such as “information processing theory and incentivizing.”

Chapter 64
Issues Influencing Electronic Commerce Activities of SMEs: A Study of the Turkish Automotive Supplier Industry

Muammer Zerenler, Selcuk University, Turkey
Sitki Gözlü, Istanbul Technical University, Turkey

Chapter 65
People, Technology and Human Resource Development (HRD) Philosophy

Claretha Hughes, University of Arkansas, USA
Matthew W. Gosney, University of Arkansas, USA

Chapter 66
Knowledge Worker Faire Compensation: Ethical Issues and Social Dilemmas

Gonçalo Jorge Morais Costa, De Montfort University, UK

Chapter 67
The Relationship between the Fulfillment of the IT Professional’s Psychological Contract and their Organizational Citizenship and Innovative Work Behaviors

Sandra K. Newton, Sonoma State University, USA
Linda I. Nowak, Sonoma State University, USA
J. Ellis Blanton, University of South Florida, USA

Chapter 68
Ethics and Learning Organizations in the New Economy

Alexis Bañón, Polytechnic University of Valencia, Spain
Manuel Guillén, University of Valencia, Spain
Ignacio Gil, Polytechnic University of Valencia, Spain
Chapter 69
The Importance of Psychological Contracts in Human Resource Management within the New Global Economy ................................................................. 1119
Inocencia M. Martínez-León, Technical University of Cartagena, Spain

Chapter 70
Understanding How Incentives Influence Motivation and Retention of Health Workers ........... 1148
Posy Bidwell, Trinity College Dublin, Ireland
Stephen Thomas, Trinity College Dublin, Ireland
Silvia Stringhini, Trinity College Dublin, Ireland

Chapter 71
An Empirical Test of the Information Processing Theory .................................................. 1164
Honggeng Zhou, University of New Hampshire, USA

Chapter 72
Gina R. Costello, Louisiana State University, USA
Alice Daugherty, Louisiana State University, USA

Chapter 73
Understanding Organizational Culture and Group Dynamics: Reframing the Normative Orientation of the Role of Information Professionals within Organizations ................. 1205
Doralyn Rossmann, Montana State University, USA

Chapter 74
“We Don’t Have the Key to the Executive Washroom”: Women’s Perceptions and Experiences of Promotion in Academia ..................................................... 1217
Jessica Guth, Bradford University Law School, UK
Fran Wright Bradford University Law School, UK

Section 8
Emerging Trends

This section highlights research potential within the field of Human Resources Management while exploring uncharted areas of study for the advancement of the discipline. Introducing this section are chapters that set the stage for future research directions and topical suggestions for continued debate, centering on the new venues and forums for discussion. A pair of chapters on human resource flexibility makes up the middle of the section of the final 11 chapters, and the book concludes with a look ahead into the future of the Human Resources Management field, with “Anonymous Workblogging and Organizational Coping Strategies.” In all, this text will serve as a vital resource to practitioners and academics interested in the best practices and applications of the burgeoning field of Human Resources Management.
Chapter 75
Innovations in Technology for Educational Marketing: Stakeholder Perceptions and Implications for Examinations System in Rwanda ................................................................. 1242
   John Rutaisire, Rwanda National Examinations Council, Rwanda

Chapter 76
Toward Understanding Ethical Decision Making: A Redefined Measure of Intent to Act Ethically .................................................................................................................. 1262
   Jennie Johnson, The University of Texas at Brownsville, USA
   Tom Coyle, The University of Texas at Brownsville, USA

Chapter 77
Toward a Unifying Framework for Defining Internal Human Resource Flexibility: A Proposal Based on the Resource-Based View Approach ......................................................... 1280
   Inmaculada Beltrán Martín, Universitat Jaume I, Spain

Chapter 78
   Margitta B. Beil-Hildebrand, Independent Scholar, Germany

Chapter 79
Human Resource Management for the 21st Century Global Economy ........................................... 1335
   Julianne Seely, Grantham University, USA

Chapter 80
Key Capabilities, Components, and Evolutionary Trends in Corporate E-Learning Systems ................................................................. 1349
   Hyo-Joo Han, Georgia Southern University, USA
   Geoffrey Dick, University of New South Wales, Australia
   Tom Case, Georgia Southern University, USA
   Craig Van Slyke, Saint Louis University, USA

Chapter 81
Expanding the Boundaries of Healthcare Human Resources Planning ........................................... 1372
   Christopher L. Pate, St. Philip’s College, USA
   Nancy A. Leahy, St. Philip’s College, USA
   Leonard Leos, St. Philip’s College, USA

Chapter 82
Hu Resources Replaces Human Resources in Health Care ................................................................. 1392
   Emmett Davis, Hennepin County (MN) Human Services and Public Health Department, USA
Chapter 83
Emergent Dynamics of Workforce Program Reductions: A Hybrid Multi-Level Analysis............. 1408
  Steven A. Cavaleri, Central Connecticut State University, USA
  Chester S. Labedz, Jr., Central Connecticut State University, USA
  George H. Stalker, Dataleaf Technologies, Inc., USA

Chapter 84
Trends in IT Human Resources and its Determinants .......................................................... 1479
  Vijay K. Agrawal, University of Nebraska at Kearney, USA
  Vipin K. Agrawal, California State University – Fullerton, USA
  Ross Taylor, University of Nebraska at Kearney, USA
  Frank Tenkorang, University of Nebraska at Kearney, USA

Chapter 85
Anonymous Workblogging and Organizational Coping Strategies ........................................ 1496
  Abigail Schoneboom, City University of New York, USA