

Researching Information Systems And Computing

Capable of acquiring large volumes of data through sensors deployed in air, land, and sea, and making this information readily available in a continuous time frame, the science of geographical information system (GIS) is rapidly evolving. This popular information system is emerging as a platform for scientific visualization, simulation, and computation of spatio-temporal data. New computing techniques are being researched and implemented to match the increasing capability of modern-day computing platforms and easy availability of spatio-temporal data. This has led to the need for the design, analysis, development, and optimization of new algorithms for extracting spatio-temporal patterns from a large volume of spatial data. Computing in Geographic Information Systems considers the computational aspects, and helps students understand the mathematical principles of GIS. It provides a deeper understanding of the algorithms and mathematical methods inherent in the process of designing and developing GIS functions. It examines the associated scientific computations along with the applications of computational geometry, differential geometry, and affine geometry in processing spatial data. It also covers the mathematical aspects of geodesy, cartography, map projection, spatial interpolation, spatial statistics, and coordinate transformation. The book discusses the principles of bathymetry and generation of electronic navigation charts. The book consists of 12 chapters. Chapters one through four delve into the modeling and preprocessing of spatial data and preparing the spatial data as input to the GIS system. Chapters five through eight describe the various techniques of computing the spatial data using different geometric and statically techniques. Chapters nine through eleven define the techniques for image registration computation and measurements of spatial objects and phenomenon. Examines cartographic modeling and map projection Covers the mathematical aspects of different map projections Explores some of the spatial analysis techniques and also introduces the bathymetric principles and systems generated using bathymetric charts Explains concepts of differential geometry, affine geometry, and computational geometry Discusses popular analysis and measurement methods used in GIS This text outlines the key concepts encompassing GIS and spatio-temporal information, and is intended for students, researchers, and professionals engaged in analysis, visualization, and estimation of spatio-temporal events.

Research Methods: Information, Systems, and Contexts, Second Edition, presents up-to-date guidance on how to teach research methods to graduate students and professionals working in information management, information science, librarianship, archives, and records and information systems. It provides a coherent and precise account of current research themes and structures, giving students guidance, appreciation of the scope of research paradigms, and the consequences of specific courses of action. Each of these valuable sections will help users determine the relevance of particular approaches to their own questions. The book presents academics who teach research and information professionals who carry out research with new resources and guidance on lesser-known research paradigms. Provides up-to-date knowledge of research methods and their applications Provides a coherent and precise account of current research themes and structures through chapters written by authors who are experts in their fields Helps students and researchers understand the range of quantitative and qualitative approaches available for research, as well as how to make practical use of them Provides many illustrations from projects in which authors have been involved, to enhance understanding Emphasises the nexus between formulation of research question and choice of research methodology Enables new researchers to understand the implications of their planning decisions

This book synthesizes the findings of three workshops on research issues in high-performance computing and communications (HPCC). It focuses on the role that computing and communications can play in supporting federal, state, and local emergency management officials who deal with natural and man-made hazards (e.g., toxic spills, terrorist bombings). The volume also identifies specific research challenges for HPCC in meeting unmet technology needs in crisis management and other nationally important application areas, such as manufacturing, health care, digital libraries, and electronic commerce and banking.

This open access book shows the breadth and various facets of e-Science, while also illustrating their shared core. Changes in scientific work are driven by the shift to grid-based worlds, the use of information and communication systems, and the existential infrastructure, which includes global collaboration. In this context, the book addresses emerging issues such as open access, collaboration and virtual communities and highlights the diverse range of developments associated with e-Science. As such, it will be of interest to researchers and scholars in the fields of information technology and knowledge management.

Balancing Agile and Disciplined Engineering and Management Approaches for IT Services and Software Products

Information Systems

Projects in Computing and Information Systems 3rd edn

Foundations

Design Research in Information Systems

Qualitative Research in Information Systems

This book contains an edited selection of the papers accepted for presentation and discussion at the first International Symposium on Qualitative Research (ISQR2016), held in Porto, Portugal, July 12th-14th, 2016. The book and the symposium features the four main application fields Education, Health, Social Sciences and Engineering and Technology and seven main subjects: Rationale and Paradigms of Qualitative Research (theoretical studies, critical reflection about epistemological dimensions, ontological and axiological); Systematization of approaches with Qualitative Studies (literature review, integrating results, aggregation studies, meta-analysis, meta-analysis of qualitative meta-synthesis, meta-ethnography); Qualitative and Mixed Methods Research (emphasis in research processes that build on mixed methodologies but with priority to qualitative approaches); Data Analysis Types (content analysis, discourse analysis, thematic analysis, narrative analysis, etc.); Innovative processes of Qualitative Data Analysis (design analysis, articulation and triangulation of different sources of data – images, audio, video); Qualitative Research in Web Context (eResearch, virtual ethnography, interaction analysis, latent corpus on the internet, etc.); Qualitative Analysis with Support of Specific Software (usability studies, user experience, the impact of software on the quality of research.

Research Methods in Human-Computer Interaction is a comprehensive guide to performing research and is essential reading for both quantitative and qualitative methods. Since the first edition was published in 2009, the book has been adopted for use at leading universities around the world, including Harvard University, Carnegie-Mellon University, the University of Washington, the University of Toronto, HiOA (Norway), KTH (Sweden), Tel Aviv University (Israel), and many others. Chapters cover a broad range of topics relevant to the collection and analysis of HCI data, going beyond experimental design and surveys, to cover ethnography, diaries, physiological measurements, case studies, crowdsourcing, and other essential elements in the well-informed HCI researcher's toolkit. Continual technological evolution has led to an explosion of new techniques and a need for this updated 2nd edition, to reflect the most recent research in the field and newer trends in research methodology. This Research Methods in HCI revision contains updates throughout, including more detail on statistical tests, coding qualitative data, and data collection via mobile devices and sensors. Other new material covers performing research with children, older adults, and people with cognitive impairments. Comprehensive and updated guide to the latest research methodologies and approaches, and now available in EPUB3 format (choose any of the ePub or Mobi formats after purchase of the eBook). Expanded discussions of online datasets, crowdsourcing, statistical tests, coding qualitative data, laws and regulations relating to the use of human participants, and data collection via mobile devices and sensors

Now available in paperback, this book is an essential text for students, researchers, and professionals engaged in analysis, visualization, and estimation of spatio-temporal events.

Calvo and Peters explain that technologists' growing interest in social good is part of a larger public concern about how our digital experience affects our emotions and our quality of life—which itself reflects an emerging focus on humanistic values in many different disciplines. Synthesizing theory, knowledge, and empirical methodologies from a variety of fields, they offer a rigorous and coherent foundational framework for positive computing. Sidebars by experts from psychology, neuroscience, human-computer interaction, and other disciplines supply essential context. Calvo and Peters examine specific well-being factors, including positive emotions, self-awareness, mindfulness, empathy, and compassion, and explore how technology can support these factors. Finally, they offer suggestions for future research and funding. --Publisher's description.

"This handbook coalesces worldwide investigations, thoughts, and practices in the area of Green ICT, covering the technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, social policies, and technical implementations"--Provided by publisher.

Research Methods in Human-Computer Interaction

Handbook of Research on Contemporary Theoretical Models in Information Systems

Occupational Outlook Handbook

Positive Computing

The User's View

Technology, Business and Social Perspectives

It is 5 years since the publication of the seminal paper on "Design Science in Information Systems Research" by Hevner, March, Park, and Ram in MIS Quarterly and the initiation of the Information Technology and Systems department of the Communications of AIS. These events in 2004 are markers in the move of design science to the forefront of information systems research. A sufficient interval has elapsed since then to allow assessment of from where the field has come and where it should go. Design science research and behavioral science research started as dual tracks when IS was a young field. By the 1990s, the influx of behavioral scientists started to dominate the number of design scientists and the field moved in that direction. By the early 2000s, design people were having difficulty publishing in mainline IS journals and in being tenured in many universities. Yes, an annual Workshop on Information Technology and Systems (WITS) was established in 1991 in conjunction with the International Conference on Information Systems (ICIS) and grew each year. But that was the extent of design science recognition. Fortunately, a revival is underway. By 2009, when this forward was written, the fourth DESRIST conference has been held and plans are afoot for the 2010 meeting. Design scientists regained respect and recognition in many venues where they previously had little.

Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

The field of computational intelligence has grown tremendously over that past five years, thanks to evolving soft computing and artificial intelligent methodologies, tools and techniques for envisaging the essence of intelligence embedded in real life observations. Consequently, scientists have been able to explain and understand real life processes and practices which previously often remain unexplored by virtue of their underlying imprecision, uncertainties and redundancies, and the unavailability of appropriate methods for describing the incompleteness and vagueness of information represented. With the advent of the field of computational intelligence, researchers are now able to explore and unearth the intelligence, otherwise insurmountable, embedded in the systems under consideration. Computational Intelligence is now not limited to only specific computational fields, it has made inroads in signal processing, smart manufacturing, predictive control, robot navigation, smart cities, and sensor design to name a few. Recent Trends in Computational Intelligence Enabled Research: Theoretical Foundations and Applications explores the use of this computational paradigm across a wide range of applied domains which handle meaningful information. Chapters investigate a broad spectrum of the applications of computational intelligence across different platforms and disciplines, expanding our knowledge base of various research initiatives in this direction. This volume aims to bring together researchers, engineers, developers and practitioners from academia and industry working in all major areas and interdisciplinary areas of computational intelligence, communication systems, computer networks, and soft computing. Provides insights into the theory, algorithms, implementation, and application of computational intelligence techniques Covers a wide range of applications of deep learning across various domains which are researching the applications of computational intelligence Investigates novel techniques and reviews the state-of-the-art in the areas of machine learning, computer vision, soft computing techniques

This Handbook provides critical, interdisciplinary contributions from leading international academics on the theory and methodology, practical applications, and broader context of Management Information Systems, as well as offering potential avenues for future research

The Oxford Handbook of Management Information Systems

Emerging Technologies for Information Systems, Computing, and Management

Research for Crisis Management and Other Applications

Computer Supported Qualitative Research

Information Technology Research, Innovation, and E-Government

Handbook of Research on Green ICT: Technology, Business and Social Perspectives

This book constitutes a valuable manual for young and seasoned business researchers alike, and provides a comprehensive summary for the whole research journey. It is a must-read for all researchers who need to understand the basics of business research, from identifying research topics, to planning and organizing the research process, and selecting the most appropriate methodology for the topic at hand. This book also provides insights on how to avoid common pitfalls in business research and outlines the research skills needed to write a fine piece of research.

In order to capture the innovative element of research, the book also highlights methods for thinking outside the box. It also stresses the importance of respecting ethics while conducting business research. Lastly, it presents important cases and provides hands-on training for preparing survey tools. Readers looking to master business research won't want to miss out on this unique and insightful book.

With everything readers need to know about how to execute their research project, this book is written specifically for information systems (IS) and computing students. It introduces key quantitative and qualitative research methods, makes sense of underlying philosophies, and will help readers navigate and assess existing published academic papers. Throughout readers are supported by pedagogical features such as learning objectives, explanations, discussion questions, evaluation guides and suggestions for further reading.

The flood of information technology (I.T.) products and services entering the market place often obscures the need to nurture the research enterprise. But as I.T. becomes integrated into all aspects of society, the need for research is even greater. And the range of issues that need to be addressed is broader than ever. This new book highlights the fundamental importance of research to ensure that I.T. meets society's expanding needs. Against the background of dramatic change in the I.T. landscape, the committee examines four key questions: Is the scope of I.T. research broad enough-particularly in the arena of large-scale systems-to address government, business, and social applications? Are government and industrial sponsors providing sufficient funding for I.T. research? Is the research net big both big and diverse enough to capture sufficient financial and intellectual resources to advance the field? Are structures and mechanisms for funding and conducting research suited to the new sets of research challenges?

Computing Handbook, Third Edition: Information Systems and Information Technology demonstrates the richness and breadth of the IS and IT disciplines. The second volume of this popular handbook explores their close links to the practice of using, managing, and developing IT-based solutions to advance the goals of modern organizational environments. Established leading experts and influential young researchers present introductions to the current status and future directions of research and give in-depth perspectives on the contributions of academic research to the practice of IS and IT development, and management Like the first volume, this second volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

The Handbook of Information Systems Research

Open, Social and Virtual Technology for Research Collaboration

Encyclopedia of Information Science and Technology

Computing and Communications in the Extreme

Researching Information Systems and Computing

Making IT Better

The highly dynamic world of information technology service management stresses the benefits of the quick and correct implementation of IT services. A disciplined approach relies on a separate set of assumptions and principles as an agile approach, both of which have complicated implementation processes as well as copious benefits. Combining these two approaches to enhance the effectiveness of each, while difficult, can yield exceptional dividends. *Balancing Agile and Disciplined Engineering and Management Approaches for IT Services and Software Products is an essential publication that focuses on clarifying theoretical foundations of balanced design methods with conceptual frameworks and empirical cases. Highlighting a broad range of topics including business trends, IT service, and software development, this book is ideally designed for software engineers, software developers, programmers, information technology professionals, researchers, academicians, and students.*

Written specifically for information systems (IS) and computing students and providing everything they need to know about executing a research project, this best-selling textbook introduces key quantitative and qualitative research methods, makes sense of underlying philosophies, and helps readers navigate and assess existing academic papers. Packed with examples from the IS and computing disciplines, definitions, evaluation guides and further reading suggestions, this fully updated second edition of *Research Information Systems and Computing* supports students of all levels in bridging the gap between theory and practice.

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

This book contains the papers presented and discussed at the conference that was held in May/June 1997, in Philadelphia, Pennsylvania, USA, and that was sponsored by Working Group 8.2 of the International Federation for Information Processing. IFIP established 8.2 as a group concerned with the interaction of information systems and the organization. *Information Systems and Qualitative Research is essential reading for professionals and students working in information systems in a business environment, such as systems analysts, developers and designers, data administrators, and senior executives in all business areas that use information technology, as well as consultants in the fields of information systems, management, and quality management.*

Funding a Revolution

e-Science

Issues for Science and Engineering Researchers in the Digital Age

Fostering Integrity in Research

Theoretical Foundations and Applications

Proceedings of the IFIP TC8 WG 8.2 International Conference on Information Systems and Qualitative Research, 31st May-3rd June 1997, Philadelphia, Pennsylvania, USA

This book is the essential guide for any student undertaking a computing/IS project, and will give you everything you need to achieve outstanding results. Undertaking a project is a key component of nearly all computing/information systems degree programmes at both undergraduate and postgraduate levels. *Projects in Computing and Information Systems* covers the four key aspects of project work (planning, conducting, presenting and taking the project further) in chronological fashion, and provides the reader with the skills to excel.

"This book provides a comprehensive understanding and coverage of the various theories, models and related research approaches used within IS research"--Provided by publisher.

Whilst Information Systems has the potential to widen our view of the world, it often has the opposite effect by limiting our ability to interact, facilitating managerial and state surveillance or instituting strict hierarchies and personal control. In this book, Bernd Stahl offers an alternative and critical perspective on the subject, arguing that the ongoing problems in this area could be caused by the misconceptualization of the nature and role of IS. Stahl discusses the question of how IS can be used to actually overcome oppression and promote emancipation, breaking the book into four sections. The first section covers the theory of critical research in IS, giving a central place for the subject of ethics. The second section discusses the philosophical underpinnings of this critical research. The third and largest section gives examples of the application of critical work in IS. The final section then reflects on the approach and suggests ways for further development.

This guide for students and faculty discusses opportunities and implications of conducting research in a digital environment.

Theory and Practice

Information Systems Analysis and Design

Recent Trends in Computational Intelligence Enabled Research

Human-computer Interaction and Management Information Systems: Foundations

A Reader

Information, Systems, and Contexts

With everything readers need to know about how to execute their research project, this book is written specifically for information systems (IS) and computing students. It introduces key quantitative and qualitative research methods, makes sense of underlying philosophies, and helps readers navigate and assess existing academic papers. Special features support students as they bridge the gap between theory and practice. These include: - research examples from the IS and computing disciplines; - suggestions on how to build internet research into each method mentioned; - an explanation of how knowledge is created, drawing an analogy between this and the creation of software systems Throughout, readers are supported by pedagogical features such as learning objectives, explanations, discussion questions, evaluation guides and further reading.

Researching Information Systems and ComputingSAGE

Geographic Information Systems in the Social Sciences: Investigating Space and Place is the first book to take a cutting-edge approach to integrating spatial concepts into the social sciences. In this text, authors Steven J. Steinberg and Sheila L. Steinberg simplify GIS (Geographic Information Systems) for practitioners and students in the social sciences through the use of examples and actual program exercises so that they can become comfortable incorporating this research tool into their repertoire and scope of interest. The authors provide learning objectives for each chapter, chapter summaries, links to relevant Web sites, as well as suggestions for student research projects.

Information Systems: Analysis and Design presents essential knowledge about management information systems development, while providing a good balance between the core concepts and secondary concepts. It is intended for four-year university/college students who study information systems analysis and design. Students will learn the information systems development strategies, the systems acquisition approach to information systems development, and the process of information systems development. The book highlights the most important methods for information systems acquisition/development, such as process modeling and systems acquisition design. To maintain a well-rounded approach to the topic, both fundamental knowledge about information systems development and hands-on material are presented. Succinct tutorials for professional systems development projects are also included.

Methodologies and Cases in Business Research

Management Information Systems

Managing the Digital Firm

Geographic Information Systems for the Social Sciences

Critical Perspectives

Modernizing the Academic Teaching and Research Environment

The past 50 years have witnessed a revolution in computing and related communications technologies. The contributions of industry and university researchers to this revolution are manifold; less widely recognized is the major role the federal government played in launching the computing revolution and sustaining its momentum. *Funding a Revolution* examines the history of computing since World War II to elucidate the federal government's role in funding computing research, supporting the education of computer scientists and engineers, and equipping university research labs. It reviews the economic rationale for government support of research, characterizes federal support for computing research, and summarizes key historical advances in which government-sponsored research played an important role. *Funding a Revolution* contains a series of case studies in relational databases, the Internet, theoretical computer science, artificial intelligence, and virtual reality that demonstrate the complex interactions among government, universities, and industry that have driven the field. It offers a series of lessons that identify factors contributing to the success of the nation's computing enterprise and the government's role within it.

Ensuring an efficient and agile information system in organizations is a real challenge. Only an agile IT strategy can underpin this. Strategic Information System Agility offers methodological and practical support to achieve effective IT agility in complex and dynamic environments.

"Human-Computer Interaction and Management Information Systems: Foundations" offers state-of-the-art research by a distinguished set of authors who span the MIS and HCI fields. The original chapters provide authoritative commentaries and in-depth descriptions of research programs that will guide 21st century scholars, graduate students, and industry professionals. Human-Computer Interaction (or Human Factors) in MIS is concerned with the ways humans interact with in technologies, and tasks, especially in business, managerial, organizational, and cultural contexts. It is distinctive in many ways when compared with HCI studies in other disciplines. The MIS perspective affords special importance to managerial and organizational contexts by focusing on analysis of tasks and outcomes at a level that considers organizational effectiveness. With the recent advancement of technologies and development of many sophisticated applications, human-centeredness in MIS has become more critical than ever before. This book focuses on the basics of HCI, with emphasis on concepts, issues, theories, and models that are related to understanding human tasks, and the interactions among humans, tasks, information, and technologies in organizational contexts in general.

This book aims to examine innovation in the fields of information technology, software engineering, industrial engineering, management engineering. Topics covered in this publication include: Information System Security, Privacy, Quality Assurance, High-Performance Computing and Information System Management and Integration. The book presents papers from The Second International Conference for Emerging Technologies Information Systems, Computing, and Management

Computing Handbook, Third Edition

Technology for Wellbeing and Human Potential

Government Support for Computing Research

Expanding Information Technology Research to Meet Society's Needs

Research Methods

Information Technology and the Conduct of Research

The U.S. Air Force is developing new force capabilities appropriate to an emerging array of threats. It is clear that advances in information science and technology (IS&T) are essential for most of these new capabilities. As a consequence, the Air Force is finding it necessary to refocus its IS&T basic research program to provide stronger support for reaching these goals. To assist this effort, the AFOSR asked the NRC for a study to create a vision and plan for the IS&T-related programs within the Office's Mathematics and Space Science Directorate. This report addresses the following issues: (1) the current state of IS&T research and development, and human interactions with IS&T systems. The report also offers a set of priorities for basic IS&T research, and an analysis of funding mechanisms to support it.

Qualitative research has become a legitimate approach within the information systems community, but researchers have traditionally drawn upon material from the social sciences given the absence of a single source relevant to them. Qualitative Research in Information Systems: A Reader represents just such a volume and is both timely and relevant. Information systems and qualitative research articles are now widely used for teaching on many upper level courses in information systems, and there is demand for a definitive collection of these readings as a text to work in the field, along with editorial introductions to assist the reader in understanding the essential principles of qualitative research. The book is organised according to the following thematic sections: - Part I: Overview of Qualitative Research - Part II: Philosophical Perspectives - Part III: Qualitative Research Methods - Part IV: Modes of Analyzing and Interpreting Qualitative Data Qualitative Research in Information Systems: A Reader should become the benchmark reference point for students and researchers in information systems, management science and qualitative research.

Governments have done much to leverage information technology to deploy e-government services, but much work remains before the vision of e-government can be fully realized. *Information Technology Research, Innovation, and E-government* examines the emerging visions for e-government, the technologies required to implement them, and approaches that can be taken to accelerate innovation and the transition of innovative information technologies from the laboratory to operational government systems. In many cases, government can follow the private sector of areas where government activities differ from those in the commercial world, and in these areas government will need to act on its role as a "second-mand leader." Although researchers and government agencies may appear to be unlikely allies in this endeavor, both groups have a shared interest in meeting future needs. E-government innovation will require addressing a broad array of issues, including organization and policy as well as engineering practice and technology research and development, and each of these issues is covered in this book.

Computing and telecommunications have revolutionized the processes of scientific research. How is this information technology being applied and what difficulties do scientists face in using information technology? How can these difficulties be overcome? *Information Technology and the Conduct of Research* answers these questions and presents a variety of helpful examples. The recommendations address the problems scientists experience in trying to gain the most benefit from information technology in scientific, engineering, and clinical research.

Computing in Geographic Information Systems

From Theory to Practices

Information Systems and Qualitative Research

Critical Perspectives and New Directions

Basic Research in Information Science and Technology for Air Force Needs

With the quantity and quality of available works in Information Systems (IS) research, it would seem advantageous to possess a concise list of exemplary works on IS research, in order to enable instructors of IS research courses to better prepare students to publish in IS venues. To that end, The Handbook of Information Systems Research provides a collection of works on a variety of topics related to IS research. This book provides a fresh perspective on issues related to IS research by providing chapters from world-renowned leaders in IS research along with chapters from relative newcomers who bring some interesting and often new perspectives to IS research. This book should serve as an excellent text for a graduate course on IS research methods.

Computers, communications, digital information, software—the constituents of the information age—are everywhere. Being computer literate, that is technically competent in two or three of today's™ software applications, is not enough anymore. Individuals who want to realize the potential value of information technology (IT) in their everyday lives need to be computer fluent—able to use IT effectively today and to adapt to changes tomorrow. Being Fluent with Information Technology sets the standard for what everyone should know about IT in order to use it effectively now and in the future. It explores three kinds of knowledge—intellectual capabilities, foundational concepts, and skills—that are essential for fluency with IT. The book presents detailed descriptions and examples of current skills and timeless concepts and capabilities, which will be useful to individuals who use IT and to the instructors who teach them.

The idea that scientific research is based on individual and collective adherence to core values of objectivity, honesty, openness, fairness, accountability, and stewardship. Integrity in science means that the organizations in which research is conducted encourage those involved to exemplify these values in every step of the research process. Understanding the dynamics that support "do" or "don't do" practices that uphold the integrity of research by all participants ensures that the research enterprise advances knowledge. The 1992 report Responsible Science: Ensuring the Integrity of the Research Process evaluated issues related to scientific responsibility and the conduct of research. It provided a valuable service in describing and analyzing a very complicated set of issues, and has served as a crucial basis for thinking about research integrity for more than two decades. However, as experience has accumulated with various forms of research misconduct, detrimental research practices, and other forms of misconduct, as subsequent empirical research has revealed more about the nature of scientific misconduct, and because technological and social changes have altered the environment in which science is conducted, it is clear that the framework established more than two decades ago needs to be updated. Responsible Science served as a valuable benchmark to set the context for this most recent analysis and to help guide the committee's thought process. *Fostering Integrity in Research* identifies best practices in research and recommends practical options for discouraging and addressing research misconduct and detrimental research practices.

Being Fluent with Information Technology

Investigating Space and Place

Strategic Information System Agility

Information Systems and Information Technology

