

# ifla statement on libraries and artificial intelligence

**ifla statement on libraries and artificial intelligence** represents a pivotal development in the intersection of technology, information access, and ethical standards in the digital age. The International Federation of Library Associations and Institutions (IFLA) has articulated a comprehensive position regarding the role of artificial intelligence (AI) in libraries, emphasizing both the transformative potential and the ethical considerations necessary for responsible implementation. This statement addresses how AI technologies can enhance library services, improve information retrieval, and support knowledge dissemination while ensuring privacy, transparency, and inclusivity. As AI continues to evolve rapidly, libraries face unique challenges and opportunities to integrate these tools in ways that align with their core mission of equitable access to information. This article explores the key elements of the ifla statement on libraries and artificial intelligence, its implications for library professionals, and the broader impact on information ecosystems worldwide. The following sections provide a detailed examination of the IFLA's vision, ethical guidelines, practical applications, and future prospects related to AI in libraries.

- Overview of the IFLA Statement on Libraries and Artificial Intelligence
- Ethical Principles and Guidelines for AI in Libraries
- Applications of Artificial Intelligence in Library Services
- Challenges and Risks Associated with AI Integration
- Future Directions and Recommendations from IFLA

## Overview of the IFLA Statement on Libraries and Artificial Intelligence

The IFLA statement on libraries and artificial intelligence outlines the organization's official stance on integrating AI technologies within library contexts. It recognizes AI as a powerful tool capable of revolutionizing how libraries operate, enabling more efficient cataloging, enhanced search capabilities, and personalized user experiences. At the same time, the statement acknowledges the importance of safeguarding user rights and maintaining the trust between libraries and their communities. IFLA emphasizes the necessity of transparency in AI algorithms and the protection of user data to prevent biases and misuse.

The document stresses that libraries must remain committed to their foundational values, including open access to information, intellectual freedom, and inclusiveness, even as they adopt new AI-driven solutions. It serves as a guiding framework for library professionals worldwide, encouraging informed decision-making regarding AI implementation that respects ethical standards and the public interest.

## **Purpose and Scope**

The primary purpose of the IFLA statement is to provide libraries with a clear understanding of how AI can be leveraged responsibly while mitigating potential negative effects. It covers a broad range of AI applications, from machine learning in catalog management to natural language processing for improved customer service. The scope extends globally, addressing diverse library types such as public, academic, specialized, and national libraries.

## **Key Messages**

Central to the statement are several key messages:

- AI should be used to enhance, not replace, human expertise in libraries.
- Libraries must ensure transparency and accountability in AI systems.
- Privacy and data protection are paramount in AI deployments.
- Efforts should be made to eliminate bias and promote fairness in AI algorithms.
- Continuous education and capacity building for library staff are essential.

## **Ethical Principles and Guidelines for AI in Libraries**

The IFLA statement on libraries and artificial intelligence places strong emphasis on ethical considerations. It outlines a framework of principles designed to guide libraries in adopting AI technologies that align with professional ethics and social responsibility. These principles are intended to protect users' rights and ensure that AI deployment supports equitable access to information.

## **Transparency and Accountability**

Transparency is a cornerstone of ethical AI use in libraries. IFLA advocates for clear communication about how AI systems operate, including the algorithms used and the data sources involved. Libraries are urged to maintain accountability by regularly auditing AI tools to detect and correct errors or biases.

## **Privacy and Data Protection**

Respecting user privacy is critical when implementing AI in libraries. The statement highlights that libraries must adhere to strict data protection standards, ensuring that personal information is collected, stored, and processed securely and with user consent. AI applications should minimize data collection and anonymize sensitive information whenever possible.

## **Equity and Inclusivity**

AI systems must be designed and evaluated to avoid perpetuating discrimination or exclusion. IFLA stresses the importance of inclusivity, advocating for AI that serves diverse communities and supports universal access to information regardless of socioeconomic or cultural backgrounds.

## **Human Oversight and Professional Expertise**

The statement emphasizes that AI should augment, not replace, the critical role of library professionals. Human oversight is necessary to interpret AI outputs, make ethical decisions, and maintain the human-centered nature of library services.

## **Applications of Artificial Intelligence in Library Services**

Artificial intelligence has the potential to transform a wide array of library functions, improving efficiency and enriching user experiences. The IFLA statement highlights several practical applications where AI can make significant contributions.

### **Enhanced Search and Discovery**

AI-powered search engines can understand natural language queries more effectively, enabling users to find relevant resources with greater precision. Machine learning algorithms can recommend materials based on user preferences and past interactions, facilitating personalized discovery.

### **Automated Cataloging and Metadata Generation**

AI can assist in automating the classification and tagging of library materials. Through image recognition, text analysis, and semantic technologies, AI helps generate accurate metadata, reducing manual workload and improving resource organization.

### **Digital Preservation and Archiving**

AI tools can analyze large volumes of digital content to identify patterns, detect degradation, and support preservation strategies. Automated processes help libraries manage digital archives more effectively and maintain the longevity of important collections.

### **User Interaction and Support**

Chatbots and virtual assistants powered by AI offer 24/7 support for library users, answering common questions and guiding patrons through services. These tools enhance accessibility and free up staff to focus on complex inquiries.

## **Data Analysis and Decision Making**

Libraries can leverage AI to analyze usage statistics, user behavior, and collection performance, supporting data-driven decision making for resource allocation and program development.

## **Challenges and Risks Associated with AI Integration**

While AI presents numerous opportunities, the IFLA statement also addresses the challenges and risks that libraries must navigate to ensure responsible adoption. Understanding these issues is critical to mitigating potential harms.

### **Bias and Discrimination**

AI systems can inadvertently perpetuate biases present in training data, leading to discriminatory outcomes in search results or service delivery. Libraries must proactively identify and address such biases to uphold fairness.

### **Privacy Concerns**

The extensive data collection required for AI functionality raises privacy concerns. Without stringent safeguards, user data could be exposed or misused, undermining trust between libraries and their communities.

### **Resource and Skill Gaps**

Implementing AI technologies requires significant technical expertise and financial resources. Many libraries, especially in underfunded or rural areas, may face difficulties accessing or maintaining advanced AI systems.

### **Dependence on Proprietary Technologies**

Reliance on commercial AI platforms can limit libraries' control over data and technology. The IFLA statement encourages the use of open-source and transparent AI tools where possible to preserve autonomy and ethical standards.

### **Ethical and Legal Uncertainties**

The rapidly evolving AI landscape presents legal and ethical uncertainties, including intellectual property issues and liability concerns. Libraries must stay informed and adapt policies accordingly.

# **Future Directions and Recommendations from IFLA**

The IFLA statement on libraries and artificial intelligence concludes with forward-looking guidance aimed at fostering responsible AI integration that aligns with library values and global information goals.

## **Capacity Building and Education**

IFLA recommends ongoing training and professional development to equip library staff with necessary AI literacy and skills. Understanding AI's capabilities and limitations is essential for effective implementation and ethical governance.

## **Collaboration and Research**

Promoting partnerships between libraries, technology developers, academic institutions, and policymakers is vital for advancing AI solutions that meet community needs. Collaborative research can address ethical challenges and innovate library-specific AI applications.

## **Policy Development and Advocacy**

Libraries should engage in policy dialogues to advocate for regulations that protect user rights and promote ethical AI use. Developing internal policies that reflect IFLA's ethical guidelines will support consistent and responsible practices.

## **Commitment to Open and Inclusive AI**

IFLA encourages the adoption of AI technologies that prioritize openness, transparency, and inclusivity. Libraries are urged to champion AI systems that serve diverse populations and help bridge information divides.

## **Monitoring and Evaluation**

Continuous assessment of AI tools and their impact on library services is necessary. Feedback mechanisms and performance metrics can guide improvements and ensure AI aligns with user expectations and ethical standards.

1. Enhance staff training on AI and ethics.
2. Adopt transparent, open-source AI tools where feasible.
3. Develop clear policies on data privacy and AI use.
4. Engage users and communities in AI-related decision-making.

5. Foster global collaboration on AI research and standards.

## **Frequently Asked Questions**

### **What is the IFLA statement on libraries and artificial intelligence?**

The IFLA statement on libraries and artificial intelligence outlines the organization's position on the responsible use, development, and impact of AI technologies in libraries to support equitable access to information and protect user privacy.

### **Why did IFLA release a statement on AI and libraries?**

IFLA released the statement to guide libraries worldwide in navigating the ethical, social, and operational challenges posed by AI, ensuring that libraries remain inclusive, transparent, and user-centered in the age of artificial intelligence.

### **How does the IFLA statement address privacy concerns related to AI in libraries?**

The statement emphasizes the importance of protecting user privacy and data security when implementing AI technologies, advocating for transparency, informed consent, and compliance with relevant data protection laws.

### **What role does IFLA see for AI in enhancing library services?**

IFLA recognizes AI's potential to improve library services by enabling better information retrieval, personalized recommendations, and efficient resource management, while ensuring these technologies are used ethically and inclusively.

### **Does the IFLA statement provide guidelines for ethical AI use in libraries?**

Yes, the IFLA statement provides principles for ethical AI use including fairness, accountability, transparency, and respect for human rights, urging libraries to adopt these when integrating AI tools.

### **How can libraries implement the IFLA recommendations on AI?**

Libraries can implement IFLA's recommendations by conducting impact assessments, engaging stakeholders, prioritizing user privacy, training staff on AI literacy, and choosing AI solutions that align with ethical standards.

## What challenges related to AI in libraries does the IFLA statement highlight?

The statement highlights challenges such as bias in AI algorithms, risk of misinformation, data privacy issues, digital divide concerns, and the need for skilled personnel to manage AI tools responsibly.

## Where can libraries access the full IFLA statement on artificial intelligence?

Libraries can access the full IFLA statement on libraries and artificial intelligence on the official IFLA website or through their published resources section dedicated to emerging technologies and library policies.

## Additional Resources

### 1. *Artificial Intelligence and Libraries: Ethical Considerations and Future Directions*

This book explores the ethical implications of integrating artificial intelligence into library systems. It examines how AI can enhance services while also addressing privacy, bias, and accessibility concerns. The text aligns with the principles outlined in the IFLA Statement on Libraries and Artificial Intelligence, advocating for responsible AI use in libraries.

### 2. *Libraries in the Age of AI: Transforming Information Access and Services*

Focusing on the transformative impact of AI technologies, this book discusses how libraries can leverage AI to improve information retrieval, user experience, and resource management. It highlights case studies and practical applications, reflecting the IFLA's emphasis on innovation balanced with user rights and ethical standards.

### 3. *The IFLA Statement on AI: A Framework for Library Innovation and Responsibility*

This volume provides an in-depth analysis of the IFLA Statement on Libraries and Artificial Intelligence. It breaks down the statement's key principles and offers guidance for libraries worldwide to implement AI technologies responsibly, ensuring equitable access and transparency.

### 4. *AI and the Future of Libraries: Challenges and Opportunities*

Addressing both the potential and pitfalls of AI adoption, this book discusses challenges such as data privacy, algorithmic bias, and digital divides. It also presents opportunities for libraries to become leaders in AI literacy and digital inclusion, echoing the IFLA's calls for inclusive and ethical AI deployment.

### 5. *Human-Centered AI in Libraries: Aligning Technology with Community Needs*

This book champions a human-centered approach to AI in libraries, emphasizing the importance of aligning AI tools with the diverse needs of library users. It explores participatory design, community engagement, and ethical frameworks inspired by the IFLA Statement to ensure AI serves the public good.

### 6. *Data, Privacy, and AI: Navigating Library Responsibilities*

Focusing on data governance, this book examines how libraries can protect user privacy while utilizing AI technologies. It discusses legal frameworks, best practices, and ethical considerations, reinforcing the IFLA's advocacy for transparency and accountability in AI applications.

### 7. *AI Literacy for Librarians: Skills for the Digital Era*

This practical guide equips librarians with the knowledge and skills needed to understand and manage AI systems. Covering technical basics, ethical issues, and user education, it supports the IFLA's vision of empowering library professionals to confidently integrate AI into their services.

### 8. *Equity and Inclusion in AI-Driven Libraries*

Examining how AI can both help and hinder equitable access to information, this book discusses strategies for mitigating bias and promoting inclusion. It aligns with the IFLA Statement's commitment to diversity, advocating for AI solutions that reflect and serve all community members fairly.

### 9. *Artificial Intelligence, Libraries, and Society: Policy, Practice, and Future Perspectives*

This comprehensive work addresses the broader societal implications of AI in library contexts. It covers policy development, international collaboration, and future trends, providing a roadmap consistent with the IFLA's guidelines to ensure AI supports democratic access to knowledge.

## **Ifla Statement On Libraries And Artificial Intelligence**

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**ifla statement on libraries and artificial intelligence: New Horizons in Artificial Intelligence in Libraries** Edmund Balnaves, Leda Bultrini, Andrew Cox, Raymond Uzwysyn, 2024-12-16 There is increasing use of AI technologies in many aspects of library operations and types of libraries. This ranges across public, national, research, academic and special libraries and includes public and reference services, automated classification, special and research collections, archives and customer service through chatbots and discovery systems. Vendors are also adding elements of AI in new and existing library products including search and discovery and research platforms and recommender systems. The role and impact of AI present opportunities and challenges and open future possibilities. IT plays a significant role in the development and use of AI technologies, but ethical considerations and wider organizational thinking must also play an equally significant role. AI's uses can have considerable impact and possible unintended consequences on library operations and services and wider societal implications. All of this is considered in this both pragmatic and wider philosophical text. This publication provides an opportunity to explore developing new library AI paradigms, including present use case practical implementation and opportunities on the horizon as well as current large ethics questions and needs for transparency, scenario planning, considerations and implications of bias as library AI systems are developed and implemented presently and for our collective future.

**ifla statement on libraries and artificial intelligence: Applications of Artificial Intelligence in Libraries** Khamis, Iman, 2024-05-06 With the constant evolution of technology, libraries must grapple with the urgent need to adapt or face obsolescence. The integration of artificial intelligence (AI) into library operations presents many new opportunities as well as a complex array of challenges. The traditional roles of libraries, as pillars of knowledge and information, are being reshaped by AI, compelling institutions to reassess their relevance in an ever-evolving digital landscape. The urgency of this intersection between libraries and AI is emphasized by the necessity to revolutionize outdated systems, and it is in this dynamic context that



Applications of Artificial Intelligence in Libraries emerges as an essential guide. The book addresses the ethical implications of AI-enabled libraries, offering strategies for navigating privacy concerns and potential challenges in the implementation of AI. It serves as a strategic guide for evaluating the impact and effectiveness of AI initiatives, developing policies and practices centered around AI, and training librarians for the inevitable integration of AI into their roles. By fostering collaboration between librarians, researchers, and AI experts, this book aims to empower professionals to navigate the transformative journey that AI is ushering in for libraries, fostering innovation, collaboration, and the creation of more effective and user-centric library services.

**ifla statement on libraries and artificial intelligence: ,**

**ifla statement on libraries and artificial intelligence: Handbook of Research on Knowledge and Organization Systems in Library and Information Science** Holland, Barbara Jane, 2021-06-25 Due to changes in the learning and research environment, changes in the behavior of library users, and unique global disruptions such as the COVID-19 pandemic, libraries have had to adapt and evolve to remain up-to-date and responsive to their users. Thus, libraries are adding new, digital resources and services while maintaining most of the old, traditional resources and services. New areas of research and inquiry in the field of library and information science explore the applications of machine learning, artificial intelligence, and other technologies to better serve and expand the library community. The Handbook of Research on Knowledge and Organization Systems in Library and Information Science examines new technologies and systems and their application and adoption within libraries. This handbook provides a global perspective on current and future trends concerning library and information science. Covering topics such as machine learning, library management, ICTs, blockchain technology, social media, and augmented reality, this book is essential for librarians, library directors, library technicians, media specialists, data specialists, catalogers, information resource officers, administrators, IT consultants and specialists, academicians, and students.

**ifla statement on libraries and artificial intelligence: Proceedings of the International Conference on Marching Beyond the Libraries (ICMBL): Leadership, Creativity, and Innovation (ICMBL 2024)** Bijayalaxmi Rautaray, Dillip K. Swain, Chandrakant Swain, 2025-06-16 This is an open access book. The International Conference theme, "Marching Beyond the Libraries: Leadership, Creativity, and Innovation," encapsulates the dynamic evolution of libraries as crucial hubs of knowledge in the contemporary global landscape. This thought-provoking theme reflects the imperative for libraries to transcend traditional roles, embrace transformative leadership, foster creativity, and drive innovation in order to remain relevant and impactful in an ever-changing world.

**ifla statement on libraries and artificial intelligence: Academic Integrity and the Role of the Academic Library** Josh Seeland, Jason Openo, 2024-09-01 This book presents the growing interconnection of two pillars from the world's higher education institutions: academic integrity and libraries. It provides sound examples to extant questions and conversations about whose job it is to teach academic integrity, and what library work is. The role of libraries in supporting academic integrity is not always clear and has not been fully explored. Drawing from library literature and that of academic integrity more broadly, readers are exposed to how libraries are necessary in a holistic approach to academic integrity. Education about academic integrity and the prevention of academic misconduct, for not only students but other institutional stakeholders, are demonstrated as occurring optimally in positive, supportive, and proactive ways. The book details numerous ways in which librarians can work with faculty and other stakeholders using established frameworks such as information literacy and blended librarianship as well as innovative platforms and content. Other contributions involve the identification of potential academic misconduct and administration of academic integrity policies to complete the cycle recommended by the frameworks of global educational quality organizations (QAA, TEQSA). Initiatives presented in the book include those at the course level and institution-wide initiatives involving curriculum, policy, and supports for faculty and students. Also contained are efforts occurring at a national level within professional networks , in addition to international library curriculum. This book provides inspiration to institutions and

academic libraries of any size and scope to embrace this emerging role in creating cultures of academic integrity.

**ifla statement on libraries and artificial intelligence: *Libraries Driving Education for Sustainable Development*** Petra Hauke, Antonia Mocatta, Priscilla Nga Ian Pun, 2025-06-02 The book refers to the UNESCO's ESD for 2030 education program. Libraries, especially green and sustainable libraries, deserve prominent recognition as learning institutions and active driving partners for Education for Sustainable Development and which support their governments' sustainability efforts. In line with the Berlin Declaration on ESD and the UNESCO program, the book focuses on innovative approaches and informal education projects, created and provided by green and sustainable libraries.

**ifla statement on libraries and artificial intelligence: *Technological Advancements in Library Service Innovation*** Lamba, Manika, 2022-02-04 Innovations in library services are rapidly developing within numerous areas including building design, program and event planning, patron experience and engagement, literacy program development, and administration and management. To ensure these changes are implemented and considered successfully, a closer look at the challenges, trends, and practices of these innovations is crucial. *Technological Advancements in Library Service Innovation* examines the recent activities of successful and groundbreaking research and practices around the world surrounding library service innovation and presents various forward-thinking initiatives. It also provides an overview of libraries' successful experiences, identifies emerging global themes and trends, and offers guidance to library practitioners on how to pursue the recent trends in their own library environment. Covering topics such as technology adoption and organizational structures, this book is ideal for library professionals, researchers, academicians, instructors, and students.

**ifla statement on libraries and artificial intelligence: *Emerging Technology-Based Services and Systems in Libraries, Educational Institutions, and Non-Profit Organizations*** Chiu, Dickson K. W., Ho, Kevin K. W., 2023-08-10 The global economy and organizations are evolving to become service-oriented and driven by technology, and this is not just limited to commercial work. Further study on this evolution is required to fully understand the phenomenon. *Emerging Technology-Based Services and Systems in Libraries, Educational Institutions, and Non-Profit Organizations* covers IT-enabled creation, curation, representation, communication, storage, retrieval, analysis, and use of records, documents, files, data, learning objects, and other contents. It also acts as a forum for interdisciplinary and emerging topics such as socio-information studies, educational technologies, knowledge management, big data, artificial intelligence, personal information protection, digital literacy, other media, and technology innovation topics in their applications to libraries, as well as other areas such as education, information, government, and NGOs. Due to this, it is ideal for industry professionals, librarians, administrators, policymakers, higher education faculty, researchers, academicians, scholars, practitioners, instructors, and students.

**ifla statement on libraries and artificial intelligence: *Document Analysis and Recognition - ICDAR 2024 Workshops*** Harold Mouchère, Anna Zhu, 2024-09-10 This two-volume set LNCS 14935-14936 constitutes the proceedings of International Workshops co-located with the 18th International Conference on Document Analysis and Recognition, ICDAR 2024, held in Athens, Greece, during August 30-31, 2024. The total of 30 regular papers presented in these proceedings were carefully selected from 46 submissions. Part I contains 16 regular papers that stem from the following workshops: ICDAR 2024 Workshop on Automatically Domain-Adapted and Personalized Document Analysis (ADAPDA); ICDAR 2024 Workshop on Advanced Analysis and Recognition of Parliamentary Corpora (ARPC); ICDAR 2024 Workshop on coMics ANalysis, Processing and Understanding (MANPU). Part II contains 14 regular papers that stem from the following workshops: ICDAR 2024 Workshop on Computational Paleography (IWCP); ICDAR 2024 Workshop on Machine Vision and NLP for Document Analysis (VINALDO).

**ifla statement on libraries and artificial intelligence: *Libraries in Transformation*** Phayung

Meesad, Anirach Mingkhwan, 2024-11-07 This book discovers how libraries evolved in the digital age with "Libraries in Transformation: Navigating to AI-powered Libraries." This insightful book explores the profound shifts within libraries due to the integration of advanced technologies such as artificial intelligence (AI) and the Internet of Things (IoT). Providing a comprehensive roadmap, this book guides libraries in adapting and thriving while maintaining their core mission of providing universal access to knowledge and fostering community engagement.

**ifla statement on libraries and artificial intelligence: Yearbook of the European Convention on Human Rights / Annuaire de la convention européenne des droits de l'homme, Volume 66 (2023) (VOLUME II)** Conseil de l'Europe / Council of Europe, 2024-11-18 The Yearbook of the European Convention on Human Rights, edited by the Directorate General Human Rights and Rule of Law, is an indispensable record of the development and impact of the world's oldest binding international human rights treaty. It reviews the implementation of the Convention both by the European Court of Human Rights and by the Council of Europe's Committee of Ministers, responsible for supervising the application of the Court's judgments in the member states. The Yearbook includes: Full text of any new protocols to the Convention as they are opened for signature, together with the state of signatures and ratifications. Full listing of Court judgments; judgments broken down by subject-matter; and extensive summaries of key judgments handed down by the Court during the year. Selected human rights (DH) resolutions adopted as part of the Committee of Ministers' work supervising the execution of the Court's judgments. Enquiries by the Secretary General carried out under Article 52 of the Convention. Other work of the Council of Europe connected with the European Convention on Human Rights, carried out by the Committee of Ministers, the Parliamentary Assembly, and the Directorate General of Human Rights and Legal Affairs. Bibliographic information from the library of the European Court of Human Rights. The Yearbook is published in an English-French bilingual edition.

**ifla statement on libraries and artificial intelligence: Law Librarianship Practice** Ellyssa Kroski, 2025-07-10 This ground-breaking new legal librarianship book serves as an invaluable resource for practicing law librarians who want to be at the forefront of information technology and law libraries. Law librarianship is a constantly evolving field that has seen major shifts in practice over the past several years including the post-pandemic trend towards remote and hybrid work, the increased prominence of virtual services, the outsourcing of library staff, burgeoning cybersecurity risks, and the advent of generative AI. Law librarians have adroitly adapted to all of these changes and have once again proven their resilience. Law Librarianship Practice is a cutting-edge book that provides insights into the latest emerging trends and technologies in academic, government, and law firm librarianship. This book offers guidance from forward-thinking library leaders on how they are tackling the challenges of law librarianship today including; managing remote workforces, negotiating with vendors, navigating outsourcing services, planning for emergencies, riding out law firm mergers, succession planning, and more. Experts working in the field provide practical applications of new technologies and opportunities, such as how librarians are conducting AI-informed competitive intelligence, using big data for decision-making, and what's happening in artificial intelligence. The book also covers innovative initiatives in the areas of diversity, equity, and inclusion, Access to Justice, and more. Law Librarianship Practice serves as a comprehensive manual of modern-day law library practices, providing invaluable resources for law librarians. Readers will gain inspiration from nearly thirty chapters contributed by distinguished academic, government, and law firm librarians as well as library consultants who share their experience along with a combination of researched data, contract excerpts, surveys, and other real-world intelligence. Divided into three segments, readers will be led through twenty-eight chapters in the areas of Law Library Management, Law Library Technologies, and Law Library Challenges and Opportunities.

**ifla statement on libraries and artificial intelligence: Libraries' future: intelligent catalogs, digital repositories, artificial intelligence.** Dr. Daniel A. Sabol, 2025-01-20 Libraries have always been at the forefront of societal progress, serving as repositories of knowledge, centers of learning, and vital community hubs. However, the 21st century presents unprecedented

challenges and opportunities, driven by the rapid advancements in technology and the increasing digitization of information. This book explores the profound impact of artificial intelligence (AI), expanding digital repositories, and intelligent catalogs on the future of libraries. We examine how AI is revolutionizing library services, from automated metadata generation and enhanced search functionalities to personalized learning experiences and research support tools. The rise of global digital repositories is also analyzed, highlighting their potential to democratize access to information while addressing the challenges of managing vast collections and ensuring long-term preservation. We delve into the design and implementation of intelligent catalogs, showcasing how AI-powered systems can provide context-aware search experiences and personalized information retrieval, significantly improving user experience. Throughout this book, we emphasize the importance of addressing ethical considerations, including data privacy, intellectual property rights, potential biases in AI algorithms, and strategies for ensuring equitable access to information. The book presents case studies of successful implementations of AI-powered library systems, offering valuable insights and lessons learned. It also addresses challenges and best practices for libraries navigating this rapidly evolving technological landscape. This comprehensive exploration aims to equip library leaders, policymakers, technology developers, and all stakeholders with the knowledge and tools necessary to shape a future where libraries remain vibrant, relevant, and indispensable institutions in the digital age. By fostering collaboration and encouraging innovation, we can collectively work toward a future where libraries continue to empower individuals, communities, and societies through equitable access to knowledge and lifelong learning. The chapters that follow offer a detailed examination of these key areas, providing a roadmap for navigating the complex and exciting future of libraries.

**ifla statement on libraries and artificial intelligence: Information Policies** Susan Brynteson, Coalition for Networked Information, 1991

**ifla statement on libraries and artificial intelligence: Handbook of Trends and Innovations Concerning Library and Information Science** Barbara Jane Holland, 2025-06-02 The field of library and information science (LIS) is constantly evolving and adapting to the changing needs and expectations of users, society and technology. This book provides trends and innovations that are emerging in library and information science with a multidisciplinary approach.

**ifla statement on libraries and artificial intelligence: Prismi 3** Gianfranco Crupi, Marco Maurizi, 2025-07-17 Lo scopo di questi Quaderni è in primo luogo quello di documentare e condividere l'esperienza didattica e scientifica del Dottorato di ricerca in Scienze documentarie, linguistiche e letterarie che ha sede presso l'Università La Sapienza di Roma. La prima sezione è dedicata ad aprire qualche finestra sull'attività didattica svolta nel Dottorato, in parte condivisa e in parte rivolta specificamente a singoli curricula, e sempre attenta sia alla dimensione della discussione, del dibattito, sia al respiro internazionale. Nella seconda sezione trova spazio invece una selezione di contributi, di dottorandi in corso e dottori che hanno conseguito il titolo negli ultimi due o tre anni, che illustrino nel loro complesso l'ampio orizzonte tematico delle ricerche portate avanti nel Dottorato. Alcuni dottorandi, inoltre, hanno collaborato alla redazione del volume, arricchendo anche in questo modo la loro esperienza. Inoltre si è ritenuto opportuno includere, come terza sezione, un repertorio delle ricerche e delle relative tesi di Dottorato, che prosegue e integra quelli già pubblicati nei primi volumi di Prismi.

**ifla statement on libraries and artificial intelligence: AI Technologies for Personalized and Sustainable Tourism** Chiwaridzo, Option Takunda, Masengu, Reason, 2024-10-15 As the travel landscape evolves rapidly, propelled by technological innovations, AI emerges as a powerful force reshaping tourism practices worldwide. This book aims to explore the dynamic intersection of artificial intelligence (AI) and the travel industry, offering a comprehensive guide to harnessing AI for enriched, tailored experiences and sustainable development. This groundbreaking book illuminates how AI is revolutionizing personalized recommendations, optimizing operational efficiencies, and promoting eco-conscious practices, fostering a harmonious balance between exploration and environmental stewardship. At its core, AI Technologies for Personalized and

Sustainable Tourism seeks to provide a holistic understanding of AI's transformative potential in the hospitality sector. By delving into the latest advancements and real-world applications of AI, readers are guided through practical insights into leveraging AI to enhance traveler experiences while advancing sustainability goals. From AI-powered recommendation systems to predictive analytics and virtual assistants, each chapter offers invaluable insights into how AI can be deployed to create personalized, sustainable tourism experiences.

**ifla statement on libraries and artificial intelligence: Handbook of Research on Consumer Behavioral Analytics in Metaverse and the Adoption of a Virtual World**

Keikhosrokiani, Pantea, 2023-04-05 Although there are various studies on theories and analytical techniques to address consumer behavior change in the current world, tracking consumer behavior change in the metaverse and the adoption of the metaverse remains a challenge that requires discussion. The advent of the metaverse will have a profound influence on consumer behavior, from how people make decisions and create brand connections to how they feel about their avatar embodiment and their purchases in the metaverse. The Handbook of Research on Consumer Behavioral Analytics in Metaverse and the Adoption of a Virtual World investigates the social, behavioral, and psychological factors that influence metaverse adoption. The focus then shifts to concepts, theories, and analytical approaches for detecting changes in consumer behavior in the metaverse. Covering topics such as e-commerce markets, user experience, and immersive technologies, this major reference work is an excellent resource for business executives, entrepreneurs, data analysts, marketers, advertisers, government officials, social media professionals, librarians, students and educators of higher education, researchers, and academicians.

**ifla statement on libraries and artificial intelligence: Digital Libraries: The Era of Big Data and Data Science** Michelangelo Ceci, Stefano Ferilli, Antonella Poggi, 2020-01-22 This book constitutes the thoroughly refereed proceedings of the 16th Italian Research Conference on Digital Libraries, IRCDL 2020, held in Bari, Italy, in January 2020. The 12 full papers and 6 short papers presented were carefully selected from 26 submissions. The papers are organized in topical sections on information retrieval, big data and data science in DL; cultural heritage; open science.

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