

Proceedings of the 63rd

Nigerian Library Association Conference
On the 5th Industrial Revolution and the
Future of Library and Information Service Delivery
in a Changing World, Benin City 6th-11th July, 2025

HEARTBEAT 2025

VOLUME 2



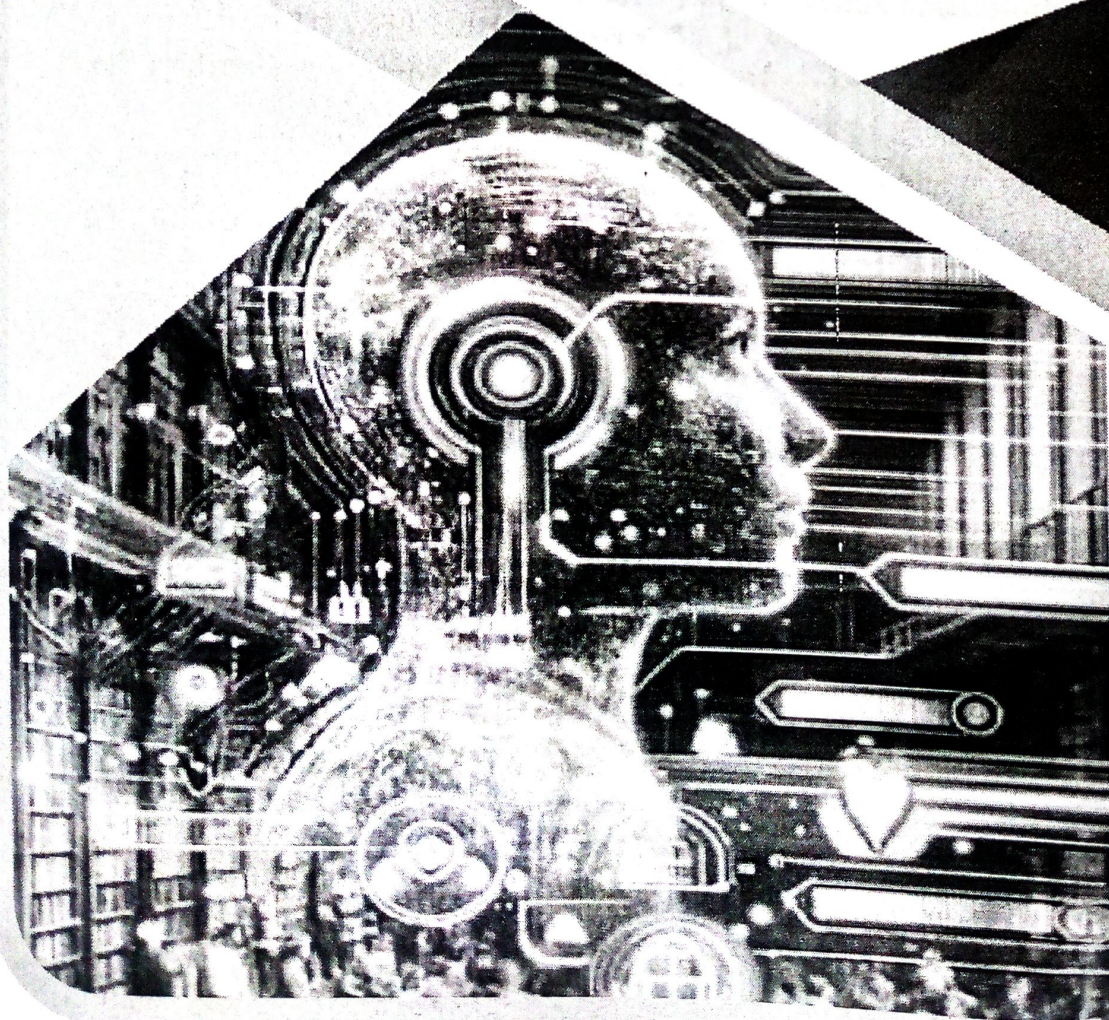


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Preface

The world stands at the precipice of a transformation as profound as the agricultural, industrial, and digital revolutions that preceded it. We are entering the era of the 5th Industrial Revolution, a paradigm shift characterized by the synergistic integration of advanced technologies like artificial intelligence, blockchain technology, Internet of things, pervasive connectivity, biotechnology, and robotics, all underscored by a renewed focus on human-centricity and sustainability. This revolution, unlike its predecessors, is not merely about what technology can do, but about how it can augment human potential, foster creativity, and address some of the most pressing challenges facing our planet.

For centuries, libraries have served as the custodian of knowledge, the arbiters of information, and the vibrant hubs of community engagement. From the scrolls of Alexandria to the digital repositories of today, their fundamental mission has remained constant: to connect people with the information they need to learn, grow, and thrive. But as the 5th Industrial Revolution gathers pace, the very definition of "information" and "service" is undergoing a radical re-evaluation in library and information profession. In line response to the above, the Nigerian Library Association held her 63rd National Conference at Benin City, Edo State from 6th to 11th July, 2025 with the Theme *"The 5th Industrial Revolution and the Future of Library and Information Service Delivery in a Changing World"*. It is a theme that is considered very apt in the face of rising competitiveness in the information market and the quest for professional identity and relevance among library and information professionals in Nigeria.

This book is an invitation to librarians, information professionals, educators, policymakers, and indeed, anyone invested in the future of knowledge, creation, access, and use to contemplate the profound implications of this new era. More importantly, this book is a call to action, it further argues that the 5th Industrial Revolution, far from rendering libraries and librarians obsolete, presents an unprecedented opportunity for them to reassert their indispensable role in society. By embracing innovation, adapting their services, and reimagining their physical and digital spaces, libraries can evolve into dynamic, intelligent, and deeply human-centered institutions. We explore how libraries can leverage AI for personalized learning, become incubators for digital literacy and critical thinking, champion data ethics, and foster collaborative environments that bridge the digital divide.

The conference tagged **"Heartbeat 2025"**, attracted 227 papers on the various sub-themes of the conference theme. Each submission was reviewed by selected experts/professionals in the relevant areas of Librarianship and Information Science. After each paper was subjected to scrutiny by the reviewers, 164 papers were selected and presented at the Conference. The selected papers were assembled in this book of proceedings. The papers in this book aims to provide a compass for navigating this uncharted territory, offering insights, provocations, and potential pathways forward in the areas of artificial intelligence, internet of things, blockchain technology, cybersecurity, robotics among other areas. We specially thank the participants of the 63rd NLA National Conference 2025, for their unalloyed cooperation, loyalty, support and contributions over the years. Our hope is that it will spark conversations, inspire innovation, and ultimately contribute to a future where libraries remain vibrant, essential pillars of informed and empowered communities in the age of the 5th Industrial Revolution and beyond.

Dr. Lawal Umar

Vice President & Chairman, National Organizing Committee

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