

New Age Cybernetics: A Framework for Global Smart City Development

Abstract:

The world is undergoing rapid urbanization, leading to the emergence of complex challenges that demand innovative solutions. New Age Cybernetics, a transdisciplinary field that integrates technology, consciousness, and sustainability, offers a promising framework for addressing these challenges and creating human-centric, ecologically responsible smart cities. This paper explores the key concepts of New Age Cybernetics, its potential applications in smart city development, and the contributions of the ERES Institute in advancing this field.

1. Introduction

The 21st century is witnessing an unprecedented surge in urban populations, with projections indicating that by 2050, nearly 70% of the world's population will reside in urban areas [1]. This rapid urbanization presents numerous challenges, including increased strain on resources, environmental degradation, social inequality, and the need for efficient and sustainable infrastructure. To address these challenges, the concept of smart cities has emerged, leveraging technology and data-driven insights to improve the quality of life for urban dwellers.

However, traditional approaches to smart city development often focus primarily on technological advancements, neglecting the crucial role of human consciousness and ecological sustainability. New Age Cybernetics offers a more holistic perspective, integrating these essential elements to create smart cities that are not only efficient and technologically advanced but also human-centric and environmentally responsible.

2. New Age Cybernetics: Key Concepts

New Age Cybernetics is a transdisciplinary field that builds upon the foundations of traditional cybernetics, which focuses on the study of communication and control systems in both living organisms and machines [2]. However, New Age Cybernetics expands its scope to encompass consciousness, energy, and the interconnectedness of all things [3].

- **Consciousness:** New Age Cybernetics recognizes the importance of human consciousness in shaping the design and implementation of technology. It emphasizes

the need to create systems that are aligned with human values, aspirations, and ethical considerations.

- **Energy:** The concept of energy plays a central role in New Age Cybernetics, encompassing both physical and non-physical forms. It explores how energy can be harnessed and utilized to create sustainable and harmonious environments.
- **Interconnectedness:** New Age Cybernetics emphasizes the interconnectedness of all things, recognizing that human beings, technology, and the environment are part of a larger, integrated system. It promotes a holistic approach to development, considering the impact of actions on the entire system.

3. New Age Cybernetics in Smart City Development

The principles of New Age Cybernetics can be applied to various aspects of smart city development, including:

- **Human-Computer Interaction:** New Age Cybernetics promotes the development of human-computer interfaces that are intuitive, user-friendly, and aligned with human cognitive abilities. It explores innovative approaches such as hands-free voice navigation and symbolic communication systems to enhance human-computer interaction [4].
- **Sustainable Infrastructure:** New Age Cybernetics emphasizes the use of renewable energy sources, energy-efficient technologies, and sustainable materials in the development of urban infrastructure. It promotes the creation of closed-loop systems that minimize waste and maximize resource utilization.
- **Community Engagement:** New Age Cybernetics recognizes the importance of community involvement in the design and decision-making processes related to smart city development. It promotes the use of participatory platforms and tools that enable citizens to actively contribute to shaping their urban environments.
- **Environmental Harmony:** New Age Cybernetics advocates for the integration of natural systems into urban environments, promoting the creation of green spaces, urban farms, and ecological corridors. It emphasizes the importance of preserving biodiversity and creating cities that are in harmony with nature.

4. The ERES Institute: Pioneering New Age Cybernetics

The ERES Institute, under the leadership of Joseph Allen Sprute (ERES Maestro), is at the forefront of the New Age Cybernetics movement. The institute's work focuses on developing and implementing the "TAPESTRY" framework, a comprehensive system for managing information and resources in the context of Global Smart City Development [5].

The "TAPESTRY" framework integrates various technologies and concepts, including:

- **Empirical Realtime Education System (ERES):** An educational platform that provides individuals with the knowledge and skills needed to thrive in smart city environments.
- **CyberRAVE:** Industry-specific virtual marketplaces that facilitate collaboration and innovation.

- **Gunnysack:** A system for emergency management supply and coordination.
- **VERTECA:** A framework for vertical technologies symbiosis, promoting the integration of various technologies to create synergistic solutions.
- **SECUIR:** A scalable element created under Indio reflection, focusing on security and resilience in smart city environments.
- **SaleBuilders:** Translation services for well-equipped entities, facilitating communication and collaboration across different languages and cultures.
- **Kirlianography:** The use of Kirlian photography to define an individual's aura, highlighting the importance of understanding human energy and consciousness in the context of technology.
- **GiantERP:** A Global Earth Resource Planner App-Parent, providing a comprehensive platform for managing resources and information on a global scale.
- **EarnedPath:** Community of Interest digital training programs, empowering individuals to actively participate in shaping their communities.
- **GSSG:** A bio-ecologic foundation for sustainability, emphasizing the importance of ecological balance in smart city development.
- **Earth Change:** A focus on preparing for climate and topographical changes, ensuring the resilience of smart cities in the face of environmental challenges.

5. Conclusion

New Age Cybernetics offers a transformative framework for addressing the complex challenges of urbanization and creating sustainable, human-centric smart cities. By integrating technology, consciousness, and sustainability, New Age Cybernetics provides a holistic approach to development that considers the interconnectedness of all things. The ERES Institute's pioneering work in developing and implementing the "TAPESTRY" framework exemplifies the potential of New Age Cybernetics to create a better future for urban dwellers around the world.

References

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