



Editorial

Editorial Announcement: *Artificial Intelligence and Emerging Technologies (AIET)*

Kim Fung Tsang

Department of Electrical Engineering, City University of Hong Kong, Hong Kong SAR, China; kftsangkf@gmail.com

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Artificial Intelligence (AI) and emerging technologies will continue to transform the way we live, work, and interact with the world. From healthcare and agriculture to finance, manufacturing, and education, these innovations will reshape industries and societies at an unprecedented pace. In response to this rapid evolution, the editorial board will move forward by transitioning from the former *Journal of Advanced Digital Communications (JADC)* to a newly established journal, *Artificial Intelligence and Emerging Technologies (AIET)*, with a renewed scope and identity.

The launch of *AIET* will mark a new chapter in this journey—a journal designed to capture the forefront of discovery, inspire innovation, and guide the advancement of these transformative fields. *AIET* serves as a global platform for excellence, innovation, and collaboration. We aim to publish high-quality research that advances knowledge, while also embracing practical applications that demonstrate real-world impact. By bridging the gap between researchers and practitioners, *AIET* ensures that theoretical breakthroughs and practical solutions inform and strengthen each other.

The scope of *AIET* is intentionally broad, covering core AI technologies such as machine learning, robotics, and natural language processing, alongside emerging fields like quantum computing, blockchain, and extended reality. We also welcome contributions on applications of AI across diverse sectors, as well as works addressing ethics, governance, and standards development.

Our motivation is to create a journal that not only documents progress but actively shapes it. *AIET* encourages interdisciplinary integration, promotes responsible innovation, and provides a forum for dialogue through special sections, visionary reviews, and invited papers.

Authors are expected to uphold the highest standards of originality, rigor, and ethical responsibility. Through a robust peer-review process and post-publication forums, *AIET* ensures that every paper contributes meaningfully to the advancement of knowledge and practice.

1. Vision

The vision of *Artificial Intelligence and Emerging Technologies (AIET)* is to establish a truly global platform that embodies excellence, innovation, and collaboration in the fast-evolving fields of AI and emerging technologies. *AIET* seeks not only to publish high-quality, original research but also to spark meaningful dialogue, set forward-looking standards, and encourage interdisciplinary integration across diverse domains. By bridging theory and practice, the journal aims to ensure that AI and technology are developed and applied responsibly, inclusively, and sustainably—serving both humanity and industry while inspiring new breakthroughs that shape the future of global innovation.

2. Scope

The scope of *Artificial Intelligence and Emerging Technologies (AIET)* is intentionally broad yet carefully defined, reflecting the interdisciplinary and rapidly evolving nature of the field. *AIET* welcomes contributions that span both foundational research and practical applications, ensuring that the journal serves as a bridge between academic excellence and industrial innovation.



We invite submissions across the following areas of interest:

- (1) **Core AI technologies**—machine learning, deep learning, reinforcement learning, natural language processing, robotics, and computer vision.
- (2) **Emerging technologies**—quantum computing, blockchain, edge computing, extended reality (XR), and bio-inspired computing.
- (3) **Generative and advanced AI paradigms**—large language models, generative adversarial networks, and neuromorphic computing.
- (4) **AI applications in healthcare**—precision medicine, diagnostics, drug discovery, and patient care.
- (5) **AI in agriculture and sustainability**—smart farming, crop monitoring, resource optimization, and climate action.
- (6) **Smart cities and infrastructure**—intelligent transportation, energy management, and urban planning.
- (7) **Industrial and manufacturing systems**—predictive maintenance, automation, and digital twins.
- (8) **Finance and business innovation**—risk modeling, fraud detection, and intelligent decision support.
- (9) **Ethics, governance, and policy**—responsible AI, fairness, transparency, accountability, and regulatory frameworks.
- (10) **Standards, benchmarking, and interoperability**—frameworks to ensure trust, comparability, and global adoption of AI systems.

By embracing both theoretical advances and practical implementations, *AIET* ensures that contributions are not only academically rigorous but also relevant to real-world challenges. This dual focus positions *AIET* as a dynamic platform where researchers and practitioners collaborate to shape the future of AI and emerging technologies.

3. Motivation

AIET is motivated by the belief that **knowledge must be actionable**. Research should not remain siloed; it should inform practice, policy, and standards.

Why *AIET*—the world needs a journal that:

- **Captures innovation at its inception**—before standards are formalized.
- **Encourages interdisciplinary collaboration**—AI is not confined to computer science; it permeates medicine, law, engineering, and beyond.
- **Balances rigor with accessibility**—ensuring that contributions are both scientifically sound and practically relevant.
- **Promotes excellence through dialogue**—High quality *AIET* papers will be invited to attend a **Paper Forum for paper competition**, enabling scholarly discussion and constructive critique. Winners will receive awards from *AIET*.

The motivation behind *Artificial Intelligence and Emerging Technologies (AIET)* is rooted in the need for a journal that bridges the division between academic rigor and industrial application. Many existing publications tend to focus narrowly on one or the other, leaving a gap where theory and practice should meet. *AIET* seeks to unite both worlds by offering a platform where ground-breaking research is complemented by practical case studies, where visionary ideas are connected to standards development, and where dialogue fosters excellence. Our commitment is to create momentum that goes beyond traditional publishing, positioning *AIET* as a dynamic hub for innovation, collaboration, and global impact.

4. Topics of Interest

The topics of interest for *Artificial Intelligence and Emerging Technologies (AIET)* span the full spectrum of AI and related innovations, reflecting both foundational research and practical applications. We welcome contributions on core areas such as machine learning, deep learning, robotics, computer vision, and natural language processing, as well as new paradigms including generative AI, federated learning, and neuromorphic computing. Industrial applications are also central, ranging from autonomous systems and predictive maintenance to healthcare, agriculture, and smart cities. Beyond technology, *AIET* encourages works on ethics, governance, standards, benchmarking, and visionary perspectives that explore the future trajectory of AI and emerging technologies.

5. Special Sections

Artificial Intelligence and Emerging Technologies (AIET) will feature Special Sections designed to spotlight emerging themes, urgent challenges, and transformative opportunities in the field. These sections will focus on timely issues such as AI in pandemic response, ethical frameworks for generative AI, or the role of quantum computing in reshaping industry. Each Special Section will be curated by guest editors with deep domain expertise, ensuring that the content reflects both academic rigor and practical relevance.

By encouraging cross-disciplinary submissions, Special Sections will foster dialogue among researchers, practitioners, and policymakers, creating a space where diverse perspectives converge. They will serve as living laboratories, enabling innovation to be tested, debated, and refined, while also laying the groundwork for pre-standardization knowledge. In this way, Special Sections will not only capture the state of the art but also actively shape the trajectory of AI and emerging technologies, reinforcing *AIET*'s role as a hub for excellence and collaboration.

6. Expectations for Authors

Artificial Intelligence and Emerging Technologies (AIET) sets high standards for submissions, ensuring that every published work reflects excellence, integrity, and impact. Authors are expected to meet the following criteria:

- **Originality and rigor:** Contributions must be novel, scientifically sound, and well-structured, offering clear advances in theory, methodology, or practice.
- **Clarity and accessibility:** Articles should be written in a way that is understandable to both researchers and practitioners, encouraging interdisciplinary engagement.
- **Ethical responsibility:** Transparency, reproducibility, and responsible reporting are mandatory. Authors must adhere to ethical guidelines, particularly in areas involving data privacy, human subjects, and societal implications.
- **Practical relevance:** Even theoretical work should highlight pathways to application, standards development, or broader impact, ensuring that research connects meaningfully to real-world challenges.

Quality assurance will be maintained through a rigorous peer-review process, involving experts from diverse disciplines who evaluate submissions for originality, clarity, and impact. Editorial oversight will ensure alignment with the journal's vision and scope, while plagiarism and ethics checks will safeguard integrity. Beyond publication, authors are encouraged to engage with readers through the Paper Forum, fostering dialogue, constructive critique, and continuous improvement.

7. Standards and Pre-Standardization

A defining feature of *AIET* is its commitment to standards development. We recognize that standards are essential for interoperability, trust, and global adoption. *AIET* will:

- Publish pre-standardization/post-standardization papers documenting motivations, stakeholder perspectives, and groundwork.
- Encourage authors to frame their contributions in ways that inform future standards.

In this way, *AIET* creates a new momentum beyond any journal—a platform where research sparks standards of global significance.

8. Visionary Review Papers

AIET will invite Visionary Review Papers that:

- Provide **state-of-the-art surveys** of emerging fields.
- Identify **gaps and opportunities** for future research.
- Offer **roadmaps for standards development**.

These papers are not mere literature reviews; they are strategic documents that shape the trajectory of disciplines.

One of the defining features of *Artificial Intelligence and Emerging Technologies (AIET)* will be the inclusion of Visionary Review Papers, designed to go far beyond traditional literature surveys. These papers will serve as strategic documents that not only summarize the current state of emerging fields but also chart the course for their future development.

Authors of Visionary Review Papers are expected to provide comprehensive, state-of-the-art surveys, highlight critical gaps in knowledge, and identify opportunities for ground-breaking research. Importantly, these papers will also propose clear roadmaps for important development, ensuring that innovations are aligned with global benchmarks and practical adoption.

Unlike conventional reviews, Visionary Review Papers will be forward-looking, offering insights that shape the trajectory of disciplines rather than simply cataloguing existing work. They will inspire researchers by pointing toward new directions, guide practitioners by connecting theory to application, and inform policymakers by clarifying the broader societal and ethical implications of emerging technologies.

Through these contributions, *AIET* positions itself not only as a journal that reflects progress but as one that actively drives it—setting the stage for excellence, collaboration, and global impact in *Artificial Intelligence and Emerging Technologies*.

9. Invited Papers

To ensure diversity and excellence, *AJET* will publish Invited Papers from:

- Leading researchers presenting high-level theoretical advances.
- Practitioners sharing real-world case studies.
- Policymakers and regulators offering perspectives on governance and ethics.

Invited Papers will enrich the journal by bringing voices from across the ecosystem.

To ensure diversity, excellence, and a truly global perspective, *Artificial Intelligence and Emerging Technologies (AIET)* will regularly publish Invited Papers from distinguished voices across the ecosystem. These contributions will include leading researchers presenting high-level theoretical advances that push the boundaries of knowledge, practitioners sharing real-world case studies that demonstrate practical impact, and policymakers or regulators offering insights into governance, ethics, and societal implications. By bringing together perspectives from academia, industry, and policy, Invited Papers will enrich the journal, foster interdisciplinary dialogue, and ensure that *AJET* reflects both cutting-edge innovation and the realities of implementation in diverse contexts.

10. Paper Forum

High quality paper in *AJET* will be accompanied by a Paper Forum—a structured space for dialogue.

- Readers can engage with authors through moderated commentary.
- Forums will promote constructive critique and collaboration.
- Outstanding discussions may be summarized and published as Forum Highlights.

This innovation ensures that *AJET* is not just a journal, but a community of excellence.

Through this forum, editors will be able to engage directly with authors via moderated commentary, offering constructive critique, sharing perspectives, and raising new questions. The Paper Forum will encourage meaningful exchanges that go beyond the printed page, transforming each article into a living conversation. To highlight excellence, outstanding discussions may be summarized and published as Forum Highlights, ensuring that valuable insights are captured and shared. This innovation positions *AJET* not merely as a journal, but as a vibrant community of excellence where knowledge evolves through interaction. Winners of the Paper Forum will receive awards from *AJET*.

11. Expectations for Authors

Artificial Intelligence and Emerging Technologies (AIET) sets high standards for all submissions, ensuring that the journal reflects excellence, integrity, and impact. Authors are expected to uphold the following principles:

- **Originality and rigor:** Contributions must be novel, scientifically sound, and well-structured, offering clear advances in theory, methodology, or practice.
- **Clarity and accessibility:** Articles should be written in a way that is understandable not only to researchers but also to practitioners, policymakers, and interdisciplinary audiences.
- **Ethical responsibility:** Transparency, reproducibility, and responsible reporting are mandatory. Authors must adhere to ethical guidelines, particularly in areas involving data privacy, human subjects, and societal implications.
- **Practical relevance:** Even theoretical work should highlight pathways to application, standards development, or broader impact, ensuring that research connects meaningfully to real-world challenges.

To maintain quality assurance, *AJET* employs a rigorous peer-review process involving experts from diverse disciplines. Editorial oversight will ensure alignment with the journal's vision and scope, while plagiarism and ethics checks will safeguard integrity. Beyond publication, authors are encouraged to engage with editors through the Paper Forum, fostering dialogue and continuous improvement.

By meeting these expectations, authors contribute not only to the advancement of knowledge but also to the creation of a vibrant, collaborative community that defines *AJET* as a journal of global excellence.

12. Conclusion: A Platform for Global Excellence

AJET is more than a journal. It is:

- A platform for excellence in AI and emerging technologies.
- A bridge between research and practice.
- A repository for pre-standardization/post-standardization knowledge.
- A community of dialogue and collaboration.

By embracing both high-level research and practical works, *AJET* creates a new momentum—one that sparks innovation, informs standards, and shapes the future of technology at a global scale.

Artificial Intelligence and Emerging Technologies (AIET) is envisioned as far more than a traditional journal. It is a dynamic platform that embodies excellence in AI and emerging technologies, serving as a bridge between rigorous research and practical implementation. *AJET* is committed to being a repository for pre/post-standardization knowledge, offering a space where ideas can be tested, refined, and elevated into frameworks that guide global adoption.

At its core, *AJET* is also a community—a place where dialogue, collaboration, and constructive critique thrive. Through features such as Visionary Review Papers, Invited Papers, Special Sections, and Paper Forums, the journal ensures that every contribution sparks conversation and drives progress. By embracing both high-level theoretical research and practical works from industry practitioners, *AJET* creates a new momentum that goes beyond conventional publishing.

This momentum is designed to spark innovation, inform the development of standards, and shape the future of technology on a global scale. *AJET* seeks to inspire researchers, empower practitioners, and engage policymakers, ensuring that the journal reflects the full ecosystem of AI and emerging technologies.

We warmly invite researchers, practitioners, policymakers, and visionaries to join us in this journey. Together, we will make *AJET* not only a journal, but a movement for excellence, collaboration, and standards in emerging technologies worldwide.