

Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering

Published by: Willóh Publications

Discipline: Cyber-Physical Systems (CPS); Artificial Intelligence; Robotics & Automation; Embedded Systems; Smart Infrastructure

About Us & Executive Overview

1. Our Mission & Vision

At **Willóh Publications**, we recognize that the next industrial paradigm demands the seamless, secure fusion of computational algorithms and physical physical infrastructure. The **Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering (ATISCPE)** is an independent, peer-reviewed global platform dedicated to publishing pioneering scholarship at this critical technological frontier.

Our core mission is to bridge the gap between advanced artificial intelligence theory, embedded computing, and real-world mechanical, electrical, and industrial engineering applications. In an era defined by autonomous robotics, decentralized edge computing, smart grids, industrial IoT (Industry 4.0/5.0), and next-generation cyber-security architectures, this journal serves as a premier scholarly repository for engineering frameworks that drive systemic intelligence and physical reliability.

2. What the Journal is Up To: Advancing the Engineering and Systems Frontier

The journal is committed to pushing the boundaries of applied artificial intelligence and systems engineering through three distinct objectives:

- **Pioneering Cyber-Physical Integration:** We dissolve traditional boundaries between pure software engineering and hardware execution, explicitly focusing on how intelligent algorithms (machine learning, computer vision, reinforcement learning) interact in real-time with physical environments and control loops.
- **Enforcing Absolute Analytical Rigor:** ATISCPE is a sanctuary for high-impact empirical and experimental research. We curate and publish advanced mathematical modeling, novel algorithmic architectures, rigorous hardware-in-the-loop (HIL) testing, and verified industrial case studies.

- **Driving Actionable Technological Value:** Every study published in ATISCPE is evaluated not just for its mathematical novelty, but for its *architectural utility*, providing systems architects, robotics engineers, automation directors, and industrial technology officers with clear blueprints to build resilient, autonomous ecosystems.
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3. What the Publisher Will Do: The Willóh Commitment to Quality

As the parent publishing house, **Willóh Publications** provides the high-fidelity digital infrastructure, ethical oversight, and distribution network necessary to elevate our authors' work. To fulfill this mandate, we execute a continuous four-fold operational strategy:

Absolute Integrity & COPE Governance

We enforce a zero-tolerance policy regarding academic malpractice, data fabrication, and text recycling. Operating under the **Committee on Publication Ethics (COPE)** guidelines, we guarantee an uncompromised double-blind peer review process. We protect the sanctity of the scientific record so that academic institutions and industrial research labs worldwide can fully trust our published engineering data.

High-End Digital Infrastructure

We ensure that every article is parsed into clean, machine-readable formats (HTML, XML, and high-fidelity PDF) and assigned a permanent **Crossref Digital Object Identifier (DOI)** to guarantee long-term global tracking, indexing, and citation visibility.

Building Towards Future Indexing

While ATISCPE is a newly launched journal and currently **not indexed in Scopus, Web of Science (WoS), or EI Compendex**, our daily operations are structurally aligned to meet their strict engineering and computing index criteria. This includes maintaining strict quarterly publication timelines and curating an international board of distinguished computer scientists and robotics PhD scholars, ensuring a seamless transition into major databases during future review cycles.

Championing Open Science & Global Equity

We offer authors flexible, hybrid pathways to disseminate their research, supporting both traditional publication and Gold Open Access (CC BY 4.0). To ensure that financial constraints never act as a barrier to groundbreaking science, we provide automated 100% APC waivers and 50% discounts for researchers originating from low-income and developing economies.

Here is the complete, high-end, and front-end ready **Author Guidelines** page custom-designed for **Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering**, published by **Willóh Publications**.

This layout mirrors the exact technical specifications, code transparency standards, and structural formatting utilized by elite global platforms like IEEE Xplore, Springer, and Elsevier for top-tier computer science, robotics, and engineering journals.

Author Guidelines

Thank you for choosing the **Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering (ATISCPE)** as a potential venue for your technical and engineering scholarship.

As an independent, peer-reviewed journal, we are committed to providing a transparent, constructive, and highly rigorous publishing experience. Please review the comprehensive preparation and submission guidelines below to ensure your manuscript meets our structural, ethical, and empirical criteria prior to submission.

1. Submission Checklist

Before uploading your manuscript to our digital tracking portal, please ensure you have prepared the following separate files to maintain our strict double-blind standards:

- **Anonymous Manuscript:** The main text file containing the title, abstract, keywords, body text, equations, references, tables, and high-resolution figures. **This file must contain no author names, institutional affiliations, or identifying acknowledgments.**
- **Title Page:** A separate document containing the full manuscript title, names of all co-authors, institutional affiliations, contact emails, verified ORCID iDs, and any necessary funding or conflict of interest disclosures (including government grants, corporate sponsorships, or laboratory credits).
- **Source Code & Hardware Blueprints (Mandatory for Empirical/Experimental Papers):** Algorithmic implementations, software repositories (GitHub/Zenodo links anonymized for review), simulation configuration scripts, or schematic files intended for open-science replication and validation.

2. Online Submission Process

The journal utilizes a fully digital peer-review tracking platform managed by Willóh Publications. Email, postal, or faxed submissions will not be accepted for evaluation.

Step-by-Step Submission Workflow

1. **Account Registration:** Visit the Willóh Publications Editorial Portal and click **[Register]**. Create an account using your official institutional or laboratory email address.
 2. **ORCID Authentication:** The corresponding author is required to link a verified **ORCID iD** during registration to ensure authentic tracking across global engineering citation networks.
 3. **Entering Metadata:** Copy and paste your finalized manuscript title, the 250-word structured abstract, and your selected keywords into the specified system fields.
 4. **Uploading Component Files:** Upload your files individually, ensuring they are categorized accurately within the drop-down menu (*Title Page*, *Main Anonymized Manuscript*, *Supplementary Code/Data Files*).
 5. **Co-Author Registry:** Input the full names, institutional affiliations, and email addresses of all co-authors exactly as they appear on your Title Page. The system will automatically generate a confirmation email to all listed parties upon successful submission.
 6. **Ethical Declarations:** Complete the mandatory digital verification check-boxes confirming that the work is original, not concurrently under review elsewhere, and free of undisclosed institutional or commercial conflicts of interest.
 7. **Final Submission:** Review the system-generated HTML/PDF proof of your submission packet and click **"Submit Manuscript"** to finalize the process and receive your permanent tracking serial number (e.g., *ATISCPE-2026-0041*).
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3. Manuscript Formats & Structural Limits

Manuscripts must be written in clear, concise technical English (British or American spelling is acceptable, but must be consistent throughout) and submitted in Microsoft Word ([.doc](#) or [.docx](#)) or compiled LaTeX formats (provide the anonymized PDF for review along with source files) matching the following specific profiles:

Original Research Transactions

- **Word Count:** 6,000–10,000 words (inclusive of mathematical frameworks, tables, figure captions, and references).
- **Core Expectation:** Must present original algorithmic models, novel cyber-physical system architectures, formal mathematical proofs, hardware-in-the-loop (HIL) physical testing, or large-scale automated deployments.

Comprehensive Technical Reviews & State-of-the-Art Surveys

- **Word Count:** 10,000–14,000 words.
- **Core Expectation:** Exhaustive meta-analyses and systematic literature reviews evaluating current paradigms, security vulnerabilities, or emerging trends within intelligent systems and automation engineering.

Short Letters / Brief Communications

- **Word Count:** 2,500–4,000 words.

- **Core Expectation:** Accelerated papers reporting rapid technical breakthroughs, novel hardware proofs-of-concept, crucial software optimization scripts, or immediate corrections to existing theorems.

4. Style, Structure, and Layout

Document Settings

- **Font & Layout:** 12-point Times New Roman, Calibri, or standard LaTeX Computer Modern font. Double-spaced text with 1-inch (2.54 cm) margins on all sides.
- **Line Numbering:** Continuous line numbers must be activated across the entire document to assist peer reviewers during mathematical and engineering verification.
- **Mathematical Notations:** All equations must be cleanly typeset using LaTeX notation or the Microsoft Word Equation Editor (never insert equations as static images). Equations must be numbered sequentially in parentheses on the right-hand margin of the page:

$$E = mc^2$$

The Structured Abstract Requirement

Every submission must include a **Structured Abstract** of no more than **250 words**, organized under the following mandatory headings (matching Emerald's and IEEE's high-visibility structural frameworks):

1. **Purpose:** State the precise computational problem, architectural vulnerability, or engineering hypothesis addressed.
2. **Design/Methodology/Approach:** Detail the mathematical modeling, machine learning algorithms, hardware-in-the-loop configurations, simulations, or physical experimentation setups utilized.
3. **Findings:** Summarize the primary quantitative results, operational efficiencies, computational benchmarks, or systemic optimizations achieved.
4. **Practical/Industrial Implications:** Explicitly state how these findings can be practically applied by systems architects, robotics developers, factory automation managers, or embedded software engineers.
5. **Originality:** State the unique, definitive technical contribution this paper makes to existing intelligent systems and cyber-physical engineering literature.

Keywords

Provide **4 to 6 precise keywords** directly below the abstract (e.g., *Edge Computing; Hardware-in-the-Loop; Autonomous Robotics; Industrial IoT; Reinforcement Learning*) to optimize search engine discoverability.

Figures and Tables

- Figures, architecture diagrams, and circuit schematics must be embedded directly within the text where they are discussed and must be provided in high resolution (minimum 300 DPI for JPEGs/PNGs, or vector graphics format).

- All tables must be fully editable (not inserted as images) and include descriptive, numbered titles (e.g., *Table 1: Algorithmic Runtime and Power Consumption Benchmarks*).

5. Citations and References

Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering strictly enforces the standard **IEEE Referencing Style** (Numeric System).

- **In-Text Citations:** Cite references numerically in square brackets, sequentially in the order of appearance: ...*as demonstrated in [1], the edge node limits latency. Multiple systems [2]–[4] utilize this loop.*
- **Reference List:** Numbered sequentially at the end of the paper matching the citation order. Every reference should ideally include an active **DOI URL** link (e.g., [\[https://doi.org/10.xxxx/xxxxx\]](https://doi.org/10.xxxx/xxxxx)(<https://doi.org/10.xxxx/xxxxx>)) to guarantee accurate tracking across global indexing services.

6. Peer Review & Evaluation Workflow

To guarantee absolute academic neutrality, technical accuracy, and mathematical validity, the journal enforces a rigorous, multi-tiered review pipeline.

1. **Technical Desk Screening:** The Managing Editor evaluates all submissions for baseline format compliance, clear English usage, mathematical presentation, and absolute anonymity.
2. **Plagiarism Prevention:** All papers are run through **Turnitin/iThenticate**. Submissions displaying a total similarity index **above 12%**, or **more than 2% from a single source**, will be instantly desk-rejected without right of appeal.
3. **Double-Blind Review Phase:** An Associate Editor routes the fully anonymized manuscript to a minimum of **two external, independent PhD peer reviewers**. Reviewers are selected from international institutions outside the authors' native region to eliminate geographic bias.
4. **Editorial Verdict:** The Editor-in-Chief executes the final publication decision (Accept, Minor Revision, Major Revision, or Reject) based on reviewer scorecards evaluating mathematical validity, algorithmic rigor, experimental verification, and industrial utility.

7. Publishing Integrity & Research Ethics

Willóh Publications adheres strictly to the core principles established by the **Committee on Publication Ethics (COPE)**.

- **Authorship Integrity:** Every listed author must have made a definitive intellectual contribution to the research based on the ICMJE Attribution Framework. Ghost, guest, or gift authorship is strictly prohibited.
- **Data, Simulation, and Code Replication Mandate:** In alignment with modern open-science and computing standards, authors publishing quantitative or empirical

research are required to deposit their anonymized raw datasets, simulation model parameters, or complete source code repositories into trusted public repositories (such as Zenodo, Figshare, Harvard Dataverse, GitHub via Zenodo archiving, or the Open Science Framework) upon official manuscript acceptance to allow for community peer replication and verification.

Author Support Desk

For technical support regarding the submission portal, profile authentication issues, or structural layout queries, please contact our administrative team at: **editorial-atiscpe@willohpublications.com**.

Editorial Team

The structural integrity and technical excellence of *Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering* are upheld by an independent, international board of distinguished computer scientists, robotics engineers, automation specialists, and cyber-physical systems (CPS) researchers.

Our editorial governance follows a tiered system to manage incoming technical manuscripts objectively, oversee the double-blind peer-review workflow, and ensure strict compliance with publication ethics.

Leadership

Editor-in-Chief

- **[Name, PhD]**
Institutional Affiliation, Country
Research Focus: Cyber-Physical Systems, Autonomous Control Loops, Real-Time Embedded Systems.
Editorial Role: Oversees the ultimate strategic and technological direction of the transactions, executes final publication verdicts, and ensures full operational alignment with the Committee on Publication Ethics (COPE) guidelines.
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Editorial Board

The Editorial Board acts as the primary steering committee for the journal. Board members provide expert peer-review oversight, nominate external technical reviewers, handle regional manuscript routing, and assist in maintaining the journal's strict quarterly publication schedule.

Regional Associate Editors

To eliminate geographic bias and coordinate a truly global double-blind evaluation framework, our associate editors manage submissions across specific geographic divisions:

Americas Portfolio (Focus: Intelligent Systems, Reinforcement Learning, Smart Grids)

- **[Name, PhD]** – *University/Institution, USA*
Expertise: Deep Learning for Automation, Edge Computing, Adaptive Control Systems.
- **[Name, PhD]** – *University/Institution, Canada*
Expertise: Multi-Agent Systems, Intelligent Vehicle-to-Everything (V2X) Networks.

Europe & UK Portfolio (Focus: Industry 4.0/5.0, Autonomous Robotics, Cyber-Physical Security)

- **[Name, PhD]** – *University/Institution, Germany*
Expertise: Industrial Internet of Things (IIoT), Hardware-in-the-Loop (HIL) Testing, Digital Twins.
- **[Name, PhD]** – *University/Institution, UK*
Expertise: Formal Verification of Autonomous Systems, Embedded Software Cryptography.

Asia-Pacific & Middle East Portfolio (Focus: Smart Infrastructure, Mechatronics, Computer Vision)

- **[Name, PhD]** – *University/Institution, Japan*
Expertise: Human-Robot Interaction, Kinematics and Control, Intelligent Mechatronic Systems.
- **[Name, PhD]** – *University/Institution, India*
Expertise: Wireless Sensor Networks, Smart Cities Infrastructure, Swarm Intelligence.

Advisory Council & Industrial Panels

In alignment with modern computing and engineering transactions, our board includes a dedicated panel of senior technical executives and industrial lab directors to ensure that published algorithmic and hardware architectures translate into scalable, real-world deployments.

Industrial Advisory Board

- **[Name, PhD]** – *Principal Research Scientist / VP of Engineering, [Global Tech Enterprise / Autonomous Lab]*
Focus: Translating Theoretical AI Models into High-Fidelity Industrial Systems.

- **[Name, PhD]** – *Chief Technology Officer, [Automation Systems Consortium / Smart Grid Facility]*
Focus: Systems Security Standards, Hardware Interoperability, and Edge Scalability.
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Editorial Office & Support

For operational, technical, or submission-related inquiries, the central administrative office can be reached directly via the following channels:

- **Managing Editor:** *[Name/Editorial Desk]* – managingeditor-atiscope@willohpublications.com
(Handles initial technical desk screening, iThenticate plagiarism verification, math formatting/LaTeX checks, code repository validation, and layout compliance.)
- **Production & XML Layout Team:** production@willohpublications.com
(Manages post-acceptance typesetting, IEEE referencing compliance, technical diagram optimization, HTML/XML galley parsing, and Crossref DOI assignments.)
- **General Publisher Inquiries:** **Willóh Publications** – info@willohpublications.com

News & Announcements

Stay informed about the latest technological updates, upcoming special thematic volumes, and collaborative engineering forums hosted by *Advanced Transactions on Intelligent Systems and Cyber-Physical Engineering*.

Special Issues

There are currently no active Special Issues open for submission. When a new call for transactions is launched, full technical parameters, algorithmic/hardware scope requirements, and guest editor profiles will be posted here.

Conference Alerts & Tech Partnerships

There are currently no upcoming conference alerts or official engineering forum partnerships scheduled. Upcoming global automation alignments, IEEE-sponsored event cross-listings, and fast-track submission paths will be highlighted here.

Journal Newsletter & Systems Intelligence Briefs

Get the latest open-access engineering research summaries, algorithmic breakthroughs, and editor tech briefs delivered straight to your inbox every quarter.

Join Our Academic Mailing List

Join a global network of computer scientists, cyber-physical architects, and robotics engineers.

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(We strictly enforce a no-spam policy. Your email will only be used for official Willóh Publications announcements and journal alerts).