Conference Report

I. POLICY

ICAITD Conference Policy Statement – Advancing Innovation Beyond Conventional Boundaries

(1) In contrast to many traditional academic conferences, which are often shaped by established disciplinary structures and the inertia of long-standing organizational frameworks, **ICAITD** is founded on a commitment to **flexibility, responsiveness, and frontier exploration**.

We recognize that conventional conferences, while valuable, may **delay the recognition and integration of emerging research fields** due to their adherence to well-established paradigms. This conservatism can hinder the rapid adaptation needed in today's dynamic landscape of technological advancement.

ICAITD addresses this challenge by **actively embracing the fragmentation and specialization of cutting-edge research areas**. Our conference is designed to be **agile and forward-looking**, fostering rapid dissemination and open discussion of innovations that transcend conventional academic silos.

By offering a platform for **emerging disciplines**, interdisciplinary exploration, and pioneering ideas, ICAITD encourages researchers to engage in **bold, timely, and impactful scholarship** that shapes the future—not merely follows the past.

(2) In contrast, **ICAITD is committed to transparency, fairness, and integrity** in its review system. We have adopted a policy of:

- **Publishing our review criteria** in advance, so that authors clearly understand the standards against which their work is assessed.
- **Disclosing reviewer feedback** (anonymously), promoting constructive dialogue and mutual learning.
- Employing an **absolute evaluation system**, where submissions are judged on their **own merits** rather than in competition with others.

This approach ensures that the quality of accepted papers is **consistently high**, while encouraging a **more open, accountable, and constructive research environment**.
At ICAITD, we believe that **clarity and fairness in peer review** are essential to advancing meaningful scholarship and building trust in the scientific process.

(3) A common issue in many traditional academic conferences is the tendency to **overload daily schedules**, compressing presentation slots and limiting time for discussion. As a result, valuable research is often **rushed through**, and **audience engagement is sacrificed**.
ICAITD takes a fundamentally different approach.
We believe that research should not only be presented—it should be **understood, questioned, and refined through interaction**.

Our conference structure is built on the following principles:

Publication date: July 15th 2025
Received date: July 4th 2025
https://doi.org/10.63211/j.p.25.645352

- **Single-track (serial) sessions** are the default, allowing all participants to attend and engage with every presentation without overlap or distraction.
- **Extended time slots** are allocated for each talk, ensuring speakers have ample time to present their ideas fully and answer questions in depth.
- When **parallel sessions** are necessary, we carefully curate them to cover **distinct, non-overlapping fields**, so that attendees are not forced to choose between closely related topics.

This format encourages **focused attention, active dialogue, and interdisciplinary learning**, creating a conference environment where **presentation is truly heard and discussed**, not merely scheduled.

II. Editor's Note:

(1) ICAITD 2025 Review and Acceptance Report

This year, we received a total of **22 full-paper submissions**, of which **5 were accepted**, yielding an acceptance rate of **approximately 22.7%**. While we recognize that many academic conferences aim for an acceptance rate around 50% as a benchmark, ICAITD applies an **absolute evaluation model** rather than a relative or quota-based approach. As a result, acceptance rates may fluctuate significantly from year to year, depending solely on the merit and quality of the submitted work.

To ensure constructive engagement with authors and to accommodate a broader range of contributions, we provided multiple submission categories—**short papers, position papers, and workshop papers**—and, when appropriate, recommended reclassification of submissions into these genres. This policy contributed to a lower acceptance rate for full papers, while still preserving the value of promising research presented in alternative formats.

Our review process emphasizes **disciplinary-appropriate evaluation criteria**:

- For **engineering-oriented papers**, the primary focus is on technical novelty and detailed explanation of it.
- For **sociological, philosophical, or policy-focused papers**, the emphasis lies on the originality of the proposal and will be evaluated for their new proposals and their progress compared to the existing literature on which they are based.
- For **review articles**, we expect a comprehensive survey of existing work accompanied by insights into future research directions.

Reviewers often requested clarifications, additions, or refinements—particularly regarding the articulation of the novelty, comparison with prior work, and the uniqueness of the proposed contribution. Authors were encouraged to substantiate their claims with detailed literature analysis and to explicitly distinguish their work from closely related studies.

The review process was managed through a volunteer-based reviewer pool. Initially, the low volume of submissions made it difficult to assign papers early, but a surge in submissions toward the final deadline compressed the available review period to **2–4 weeks**, which posed a challenge

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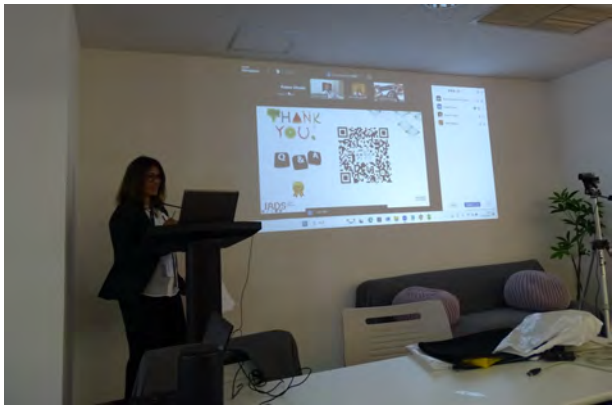
for timely and thorough evaluation. We recognize this as an area for improvement in future review and are considering adjustments to our submission and review timeline to better accommodate reviewer availability.

In closing, we thank all authors and reviewers for their contributions to ICAITD 2025. Our commitment remains steadfast: to uphold **transparent, fair, and rigorous review standards**, and to provide a dynamic platform for innovative research that responds to the evolving needs of the global academic community.

(2) Moderators (Chairpersons of the sessions)

Veena and Amberlynn acted as moderators (chairpersons of the sessions) for almost all presentations over the two days. They introduced each presentation, both in person and online (using the Zoom conference system), and stimulated discussion with the presenters by asking appropriate questions that captured the content of the presentation. Without the cooperation of these two people, the conference would not have run smoothly and the discussions would not have developed appropriately. We look forward to their continued participation and contributions to the running of this international conference as much as possible in the future.



III. Keynote and Lecture Overview:

"The Dual Nature of Generative AI: Exploring its Potential Benefits and Risks"

(1) Invited Keynote Speech:

The Dual Nature of Generative AI:

Exploring its Potential Benefits and Risks

by Veena Priscilla Menezes and Amberlynn Menezes

Co-founders of Skelethos

www.skelethos.com

An announce of Keynote Speech at https://www.icaitd.com/keynote :

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Skelethos is an Australian start-up founded by a mother and daughter who are passionate advocates for the ethical and transparent application of artificial intelligence (AI), prioritizing human values and preferences. The company structures its service offerings across four core domains: Advice, Advocacy, Academia, and Art. Skelethos commits to the principle that "great AI must also be good AI," and aims to develop an ethical AI future prioritizing compliance, fairness, transparency, and human well-being.

During the 2025 CAITD conference, the co-founders of Skelethos will deliver a keynote address on the ethical implications of artificial intelligence, emphasizing the critical importance of ethical considerations in all stages of AI development and implementation.

(2) Report: Invited Keynote Speech:

The Dual Nature of Generative AI:

Exploring its Potential Benefits and Risks

by Veena Priscilla Menezes and Amberlynn Menezes

Co-founders of Skelethos

www.skelethos.com

Morning Session, Day 1 (June 2nd 2025)

Spanning approximately 40 minutes, the keynote provided a wide-ranging exploration of recent developments in generative AI, highlighting both its transformative potential and the urgent ethical, social, and regulatory questions it raises. The speakers introduced diverse examples from domains such as healthcare, personalized medicine, and molecular innovation, while also delving into the broader societal implications of AI proliferation.

A unique aspect of the presentation was its framing of AI ethics through cultural and literary lenses, referencing Greek mythology, Jewish folklore, and works such as Frankenstein to illustrate enduring anxieties about technological power. They cited the OECD’s key principles, the concept of an "ethical vacuum," and recurring themes in science fiction films (2001: A Space Odyssey, Terminator, I, Robot, MANN) as cautionary narratives that reflect current real-world concerns.

The speech critically examined the role of large language models (LLMs), AI bias, misinformation, privacy erosion, and “intellectual laundering”—arguing that many of these challenges reflect unresolved issues carried over from previous technological revolutions, such as social media. They cited warnings and insights from prominent figures like Stephen Hawking, Elon Musk, Geoffrey Hinton, Maria Ressa, and Yoshua Bengio, each of whom has raised ethical flags regarding AI’s trajectory.

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Toward the conclusion, the keynote turned its attention to the geopolitical and economic forces shaping the AI landscape. The presenters addressed how major powers and tech giants—notably in the US and UK—are actively lobbying for deregulation, prioritizing market advantage over societal safeguards. The presentation highlighted the urgent need for proactive, globally coordinated responses to these trends.

A comprehensive call for action was presented, emphasizing the necessity of:

Human-centric focus in AI design

Clear and enforceable social rules and regulations

Embedded ethics, including fairness, explainability, interpretability, and transparency

Clear justification for data use and a commitment to honesty and clarity

An extensive reference list—spanning two pages—was shared, underscoring the research-based foundation of the keynote.

Reflections and Closing Perspective

This keynote delivered a deeply relevant message: while the advancement of generative AI is rapid and often opaque, the academic community must not remain passive. The presentation distinguished itself by offering a neutral, research-based perspective, in contrast to the often territorial or profit-driven rhetoric of political or corporate stakeholders.

It also prompted broader reflection. Academic voices must not only provide objective insights, but also take active roles in shaping public discourse—articulating ethical imperatives, exploring the meaning of integrity and responsibility, and contributing to the theorization and validation of causal ethics and moral accountability.

As generative AI continues to reshape our world, it is imperative that scholars lead not only through research, but also through principled action.

Reported by Kazuo Ohzeki

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(3) Invited Lecture

Artificial Intelligence and Citizen Science

by Akifumi Ueda, Citizen's Science Initiative Japan

https://www.shiminkagaku.org/

https://www.shiminkagaku.org/wp/wp-content/uploads/whats-csij.pdf

Ueda is a representative director of **Citizen's Science Initiative Japan**

Ueda presented this Lecture in the morning on the second day of ICAITD 2025. The short summary is as follows:

Citizen science refers to the active involvement of the general public in scientific research, primarily through data collection, observation, and sometimes analysis and project design. It empowers individuals from all walks of life to contribute to science, regardless of age or expertise. This inclusive approach enhances data collection, promotes diverse perspectives, and fosters public engagement in science. Projects such as *Galaxy Zoo* and *eBird* exemplify large-scale citizen participation that has led to significant scientific contributions.

The rise of digital devices—especially smartphones—has transformed citizen science. These tools provide easy access to GPS, timestamped data, note-taking, and immediate internet connectivity, enabling widespread participation and improved data quality. Moreover, online platforms and apps have made it easier than ever to collect and submit observations, often contributing to environmental monitoring, biodiversity tracking, or disease surveillance.

Citizen science can be categorized into four types:

1. **Participatory** – citizens mainly collect data;
2. **Collaborative** – participants assist in improving tools and analyzing data;
3. **Co-creation** – citizens are engaged throughout the project;
4. **Citizen-led** – citizens initiate and lead projects, often to address local environmental or social issues.

Successful citizen science requires three elements: access to cooperative experts, material and institutional support, and open access to data. Recent trends include increasing use of technology, greater emphasis on community involvement, interdisciplinary collaboration, and a focus on data quality.

AI plays a growing role in citizen science by automating routine tasks (e.g., image classification), identifying hidden patterns in large datasets, guiding research directions, and personalizing volunteer experiences. For instance, *Flukebook* uses AI to identify whale individuals, *Mosquito Alert* tracks disease vectors, and *Fold-it* leverages crowdsourcing and AI to solve protein-folding puzzles.

More broadly, AI can enhance open science by improving data sharing, strengthening interdisciplinary collaboration, and automating data analysis. However, AI also raises concerns about algorithmic bias, transparency, and control. If based on biased data, AI can perpetuate social

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injustices. To counteract this, AI development must involve diverse teams, robust testing, public education, and effective regulation.

Finally, the interaction between AI and citizen science is mutually beneficial. While AI enhances efficiency, many citizen science tasks remain uniquely human—full of common sense, ethical judgment, and creativity. This complementarity highlights both the limitations of current AI and the potential for citizen science to guide the development of more ethical and socially responsive AI systems.

IV. Sponsors and venue: Skelethos, Pleasanter Lounge

We are extremely grateful to Skelethos for not only providing the moderators, but also for their efforts in everything from supporting the paper presentations to managing the venue in general.
We are extremely grateful to Pleasanter, who provided the venue, for providing the venue for three days starting the day before, as well as for their tremendous cooperation in running the conference, including providing the venue's video and audio equipment and cleaning.

V. Copyright Transfer System:

Reducing the burden on authors by electronically transferring copyright: A challenge-response by e-mail at the time of submission prevents the mixing of third parties, and combines confirmation that the transfer is the author's own by electronic signature on the signature PDF.
This eliminates the need for authors to submit ID cards or send copies to verify their identity, and also eliminates the need to print out the document on paper, sign it, and then send back a scanned or photographed copy.
This system is structured as shown in the figure below, and is particularly suitable for publishers for submitting works and transferring copyright at the final stage. Therefore, it can be used for procedures such as publishing proceedings and proceedings of academic conferences, and general works, so we recommend that you try it out. There are two parts: one that sends the signature data from the author to the publisher, and one that the publisher confirms. It is available on GitHub as a web-based software. For inquiries, please contact ai.tokyo.seminar@gmail.com and we will provide you with details on how to use it.

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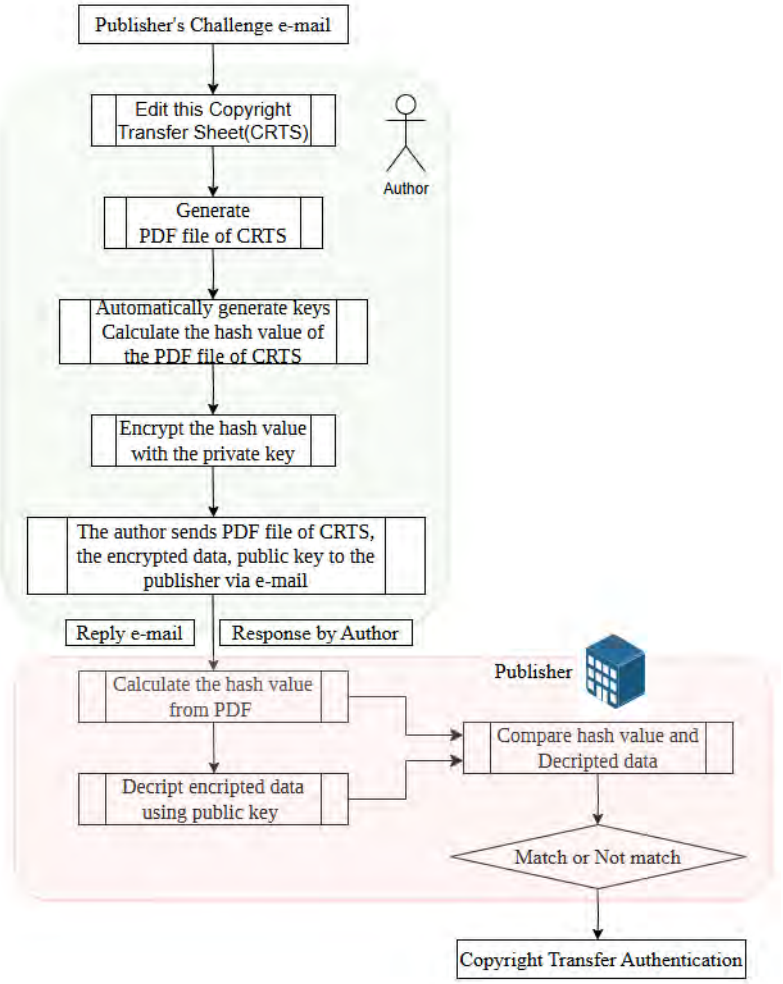

VI. Conference Highlights

(1) Working Dinner

Working Dinner information :
Location: Shinjuku Sumitomo Triangle Building 49F (180 meters above ground)
Triangular Column Design since 1974 Tokyo Japan
https://www.youtube.com/shorts/2IRCxFmyd9g

Working dinner at Banya

https://www.banya-group.jp/shop/nishishinjuku/
https://www.banya-group.jp/en/

This name clearly indicates that it is an izakaya where you can enjoy drinks in a private space in a specific location. It is also possible that the name "Ban'ya" was used to distinguish between the multiple private rooms.

Normal meal course:

[Appetizer] Sesame tofu

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[Sashimi] Two kinds of fresh fish delivered directly from the source
[Specialty] Vinegared snow crab
[Futon] Rolled omelette with dashi broth and toro yuba bean paste
[Main dish] Special Matsusaka beef Sukiyaki
[Fried food] Seasonal fried food
[Sushi] Nigiri sushi
[Dessert] Seasonal sweets
All-you-can-drink

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Vegetarian course:
[Appetizer] Boiled mizuna
[Sashimi] Avocado sashimi, yuba sashimi
[Main dish] Steamed vegetables on a ceramic plate
[Special dish] Tofu and eggplant in thick sauce
[Salad] Mixed beans and avocado salad with sesame dressing
[Fried food] Asparagus, shiitake mushrooms, and shishito pepper tempura
[Meal] Chilled kitsune udon
[Dessert] Soy ice cream
This is the course that we specially prepare for guests who are vegans.
Course contents are mainly tofu and vegetables without any meat, fish and dairy products.
The course content is just a representative case. Other than the listed price, we can prepare especially upon your request, so please feel free to ask us. If you would like to order this course, please fill in the request field. 1.sweet_fruit

VII. Committee Members

ICAITD 2025

General Chiarman

Kazuo Ohzeki, Prof. Emeritus of SIT and IPUT

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Veena Priscilla Menezes, Skelethos

Amberlynn Menezes, Skelethos

Ashish Bhardwaj, former Google LLC

Takahiro Yoshida, Kaishi Professional University in Japan

Kohei Nishikawa, Kaishi Professional University in Japan

Pann Yu Mon, Kaishi Professional University in Japan

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