

## 10<sup>th</sup> International Physical Internet Conference

Empowering Resilient and Sustainable Supply Chain Ecosystems

May 29-31, 2024, Savannah, Georgia, U.S.A.

### CALL FOR CONTRIBUTIONS

Contribution submission and review process managed through:

<https://easychair.org/conferences/?conf=ipic2024>

Abstract registration deadline: March 15, 2024

Target response time: 72 hours

Paper and video submission deadline: April 15, 2024

Target review time: 10 days

Final publication-ready paper and video deadline: April 30, 2024

### Contribution domain

The IPIC conference series is an open forum for worldwide researchers, innovators, practitioners, legislators, leaders, and citizens who care about and are engaged in:

- Enhancing the societal, economic, and environmental efficiency, resilience, and sustainability of fulfilling humanity's needs for physical objects and the service they provide, and more specifically of the way we move, deploy, realize, supply, design, and use physical objects;
- Investigating, shaping, enhancing, and enabling the further emergence and large-scale implementation and adoption of the Physical Internet across industries and territories, at all scales from within facilities, to urban and rural areas, regions, countries, continents, spanning the whole planet and beyond through space;
- Imagining, shaping, and engineering the forthcoming generations of hyperconnected supply chain, logistics, fulfilment, production, transportation, and retailing capabilities, facilities, networks, systems, ecosystems, and infrastructures, built with physical, digital, operational, transactional, legal, and inter-personal interconnectivity at their core;
- Imagining, designing, launching, and scaling innovative business models, operating models, and innovation models, notably including the open, omnichannel, multimodal / synchromodal, and multi-party cooperation and consolidation protocols, interfaces, models, platforms, and marketplaces enabling and leveraging the Physical Internet;
- Enabling and leveraging Sharing Economy, Circular Economy and Reverse Logistics, Inclusiveness, and Fairness concepts, principles, and practices;
- Assessing, leveraging, and guiding the scientific and technological advances in Physical Internet enabling domains such as Artificial Intelligence and Optimization; Augmented and Virtual Reality; Autonomous and Sentient Systems and Vehicles; Additive Manufacturing; Big Data, Cloud and Edge Computing; Blockchain and Smart Contracts; Clean Energy; Collaborative and Mobile Robotics; Digital Twins; Internet-of-Things, Industry X.0; and Active Ecofriendly Modular Packaging, Handling, and Transport Containerization.
- Assessing, leveraging, and guiding the legislative, standards, and governance advances in Physical Internet enabling domains such as recent regulations on Clean Energy; Reusable Packaging; Supply Chain Resilience, Security, and Visibility; and Strategic Physical Internet roadmaps in Europe and Japan.

This paradigm breaking scope broadly defines the domain of contributions we are welcoming at IPIC 2024!

## Contribution types

We welcome the following types of contributions in the vast emerging Physical Internet domain: research contributions, innovation contributions, special session and panel contributions.

### • Research contribution

- Open to diverse types of original research, notably conceptual and vision framework and theory building; feasibility, capability, and sustainability assessment; scientific case study, action research, and living lab; modelling and methodology; technology; validation; state-of-the-art research review; and roadmapping.
- Interdisciplinary research contributions are welcome, including joint authors from academia, industry, and public organizations.
- Scientific review process
  - All submitted research contributions will be evaluated with regards to their suitability for the conference, scientific originality, and technical soundness
  - Template for research contributions: [Template – IPIC 2024 Research Contribution Abstract](#)
- **Research paper**
  - Up to 10 pages.
  - Online publication in the IPIC 2024 Proceedings and on [www.pi.events](http://www.pi.events)
  - DOI indexing (default, may be refused by author-s)
  - Presentation of accepted paper may come in combinations of one to two forms, as selected by co-author-s:
    - a. In-person presentation at an IPIC 2024 thematic session by at least one of the authors of the paper
    - b. Pre-recorded flash 7-minute video that will be posted on the website with capability for attendees and presenters to interact around questions and/or comments.
- **Research poster**
  - Accepted Posters will all be printed and exposed in Poster Hall of IPIC 2024, with attended presentation by one of the authors
  - Accepted Posters will be posted online on [www.pi.events](http://www.pi.events)

### • Innovation contribution

- Innovation contributions may be authored by anyone, from whatever combination of disciplines and type of organization
- These contributions may be of various types, including:
  - White paper offering thought leadership on novel ideas, applications, technologies, issues, and challenges
  - Progress report on a major initiative, program or project
  - Case study report describing an application in practice
  - Demonstration of technological innovations
  - Best practice review
  - Education and learning innovations (e.g. gaming, immersive platforms)
- Template for innovation contributions: [Template – IPIC 2024 Innovative Contribution Abstract](#)
- These may come in combinations of one to three forms:

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- Paper of up to 10 pages
- Prerecorded flash 7-minute video that will be posted on [www.pi.events](http://www.pi.events) with capability for attendees and presenters to interact around questions and/or comments
- Author-s may be invited for oral in-person presentation at an IPIC 2024 thematic session, based on excellence of contributions above
- Editorial review process
  - All submitted innovation contributions will be evaluated with regards to their suitability for the conference, originality, and soundness
- **Special session or panel contribution**
  - We welcome proposals for special sessions and panels, whether they are research and/or innovation oriented, related to a major thread, challenge, project, initiative, etc., in line with the theme of IPIC 2024
  - If interested in proposing and leading an invited session or panel, please contact [ipic@scl.gatech.edu](mailto:ipic@scl.gatech.edu)
  - *Convince us this session is worth being on the IPIC 2024 program*
  - Specific research or innovation contributions targeted to be part of a session must be individually accepted through the review process
  - Target size: three to five contributions or panelists

**Important:** Contribution presentation and publication in IPIC 2024 requires conference registration of at least one of the coauthors.

*If you have any contribution idea, suggestion, or proposition not covered by this call, please contact us at [ipic@scl.gatech.edu](mailto:ipic@scl.gatech.edu)*