







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

## Online + Offline

## CALL FOR PAPERS

 November 18-20, 2020  
 Shenzhen, China  
 [www.pi.events](http://www.pi.events)

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### Short introduction on the Physical Internet

- The Physical Internet concept aims to get freight flows and logistics services as accessible and connected as information and services are over internet in both global and last mile. The Physical Internet (PI,  $\Pi$ ) has opened a paradigm-breaking field encompassing the hyperconnectivity and interoperability of smart logistics networks, transportation systems, manufacturing systems and supply chains, enabling seamless open asset sharing and flow consolidation on a massive scale.
- It aims to transform the way physical objects are moved, deployed, realized, supplied, designed and used all around the world so as to improve by an order-of-magnitude the overall induced performance in terms of economical, environmental and societal efficiency and sustainability.

### About the Venue

About the city, Shenzhen, is located on the South China coast neighboring Hong Kong and Macao. Shenzhen is a miracle in China's scientific development. It is the "Most Innovative Cities in China" and one of "The World's 31 Must Visit Places". The conference venue, Shenzhen University, is known as "the Special Economic Zone University, the Window University, the Experimental University," and characterized by its youthful vigor, beautiful campus and rapid growth.

### Aim of the conference

IPIC 2020 aims to provide an open forum for researchers, innovators and practitioners to introduce leading edge concepts and methodologies, to review the state-of-the-art technologies and latest projects, and to identify critical issues and challenges for future Physical Internet induced research, innovation and implementation.

It will be the first time for Physical Internet conference holding in an Asian country. China is experiencing rapid economic growth with a strong impact on the logistics market. It has become the largest logistics market in the world. We believe that China will be a fertile ground for Physical Internet research and innovation. IPIC 2020 will build a great communication channel between China and Europe with Physical Internet.

Organizers



Co-Organizers



深圳市交通运输局

Sponsorship

To be confirmed

## Conference topics

- Interconnected freight transport
- Logistics and supply
- Modularization
- Material handling
- Vehicles and transshipment technologies
- Last mile & City logistics
- Omnichannel & E-commerce logistics
- New communication networks enabling interconnected logistics
- Systems and technologies for interconnected Logistics (3D printing/ Internet of things/ machine learning/ augmented reality/ big data/ artificial intelligence/ blockchain/ cloud computing)
- Business models for open & interconnected logistics
- Manufacturing networks and the PI
- Ports and hubs in the PI
- PI Impacts
- PI Fundamentals and Constituents
- PI Implementation and Governance
- PI Modelling and Simulation
- Autonomous logistics operations and systems(autonomous transport/drones/mobile logistics/robotics)

## Call for Special Sessions

Interested attendees are encouraged to propose special sessions/workshops, each of which consists of five papers providing a focused discussion of new or innovative topics. Each proposal must include the session title, description, organizers and affiliations. Proposals should be sent to [ipic2020@szu.edu.cn](mailto:ipic2020@szu.edu.cn). Special session papers must be clearly indicated to the designated special session organizer when submission.

## Contribution Type

Three types of submission are considered and accepted for presentation:

### **Abstract, Poster, Full Paper**

- [Guidelines & Templet](#) of Abstract/Poster/Full paper can be download on conference website
- All submitted Abstracts/Posters/Full papers will be evaluated with regards to their suitability for the conference, originality and technical soundness.
- The selected excellent full papers will have chances to win the “Best Paper Award” and will be recommended for submission revised versions to special issues of some SCI journals
- **Submissions\* must be made on-line via:** <https://easychair.org/conferences/?conf=ipic2020>

## Timetable and Deadlines

Special Session proposal due	Sep.30, 2020
Abstracts/Posters/Full Papers submission due	Oct.15, 2020
Acceptance notification	Oct.31, 2020
Open for paper and presentation preview	Nov.10-17, 2020
Conference	Nov.18-20, 2020

## Special issue

### International Journal of Production Economics

Digital Twin and Data-driven Optimization for Hyperconnected Physical Internet

### Industrial Management & Data Systems

Towards Large-scale Industry-wide Physical Internet Deployment

### Sustainability

ICT and Sustainable Freight Logistics

**More information:** <https://www.pi.events/content/call-papers-special-issue>