



CALL FOR PAPERS

ICPI 2020
Nov 17-18, 2020
Tokyo, Japan

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICPI 2020 : International Conference on Physical Internet is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Physical Internet. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Physical internet fundamentals and constitutes
Proposition of conceptual physical internet frameworks
Investigation of key enabling constituents of the physical internet
Efficiency, sustainability, resilience, security, adaptability, agility of the physical internet
Pi container design and engineering; transport, handling and packaging container design and engineering; modularization and standardization; smart and active containers; panel oriented container design; interaction with encapsulated smart objects; container logistics and business Design, engineering, planning and operation of hyperconnected handling, storage and transportation technologies, systems, facilities and infrastructures
Technology vs. Physical internet
Impact of new technologies and concepts such as drones, mobile robotics and 3d printing on the physical internet, machine learning; augmented reality, big data and data analysis
Exploitation of internet-of-things in the physical internet for tracking, tracing, sensing, event management and prediction
Technologies for container tracing and asset monitoring through the physical internet, such as wireless sensor networks
Physical internet implementation and governance

Physical internet implementation drivers and issues
Stakeholder incentives for PI adoption and implementation
Negotiation, collaboration and conflict resolution within Physical Internet
Impact of regulatory innovation on PI
Impact of PI induced innovation on regulation, taxation and duties
Design of the physical internet governance structure and processes
Investigation and instrumentation methodologies
Novel descriptive, predictive and prescriptive analytics; modeling; simulation; optimization and gaming approaches for physical internet research and instrumentation
Qualitative and quantitative methodologies for studying proposed or existing PI induced systems, processes, phenomena and business models
Decision models and supports in the Physical Internet context
Hyperconnected logistics

