Title of Special Session

Description of the Special Session

Special Session description must be written in English and should be limited to 1/2 page long (single column) including a short description of the scope and the link to the Physical Internet.

(you may provide additional information separately reinforcing your proposal)

# Conference Topics Addressed

Included here the main Conference Topics Addressed. You may check them in the Call for Contributions

* Topic 1
* Topic 2
* Topic x

# Proposed keywords:

* Keyword 1
* Keyword 2
* Keyword 3
* Keyword x

# Workshop Session Organizers:

|  |  |  |
| --- | --- | --- |
| Name | Organization | e-mail |
|  |  |  |
|  |  |  |
|  |  |  |

# Proposed Draft Agenda (*Sessions should be 90 min. long Max*)

Include here the proposed speakers names, affiliations draft title of the presentation and short summary paragraph

* Title of the Presentation. Name and Surname. (Position) and Organization
* Title of the Presentation. Name and Surname. (Position) and Organization

**Special Sessions can be Sponsored.** Session Sponsors will get great visibility during the session and in the conference program and web page. For more information, visit the [Sponsor Page](https://www.pi.events/IPIC2021/content/becoming-sponsor) and or contact [IPIC@etp-alice.eu](mailto:IPIC@etp-alice.eu)

**Annex 1. List of recommended Keywords,** you may include yours if you do not find good ones in this list

|  |
| --- |
| 3D Printing |
| 5G |
| 5G networks |
| ad-hoc Collaborative Logistics |
| Agent-based modelling |
| Air cargo transport chain |
| Airport |
| Artificial Intelligence |
| Augmented Reality |
| Automated Negotiation |
| Automated transhipment |
| Automated Vessels |
| Automation |
| Autonomous Logistics Operations |
| Autonomous transport |
| Autonomous transport boxes |
| Backhauling |
| behavioural analysis |
| Big Data |
| Bill of Lading |
| Blockchain |
| boxes |
| BPaaS |
| bulky goods |
| Bundling |
| Business model |
| Capacity management |
| Cargo handling |
| Case study |
| CCAM-Connected, Cooperative and Autonomous Mobility |
| Centralization or Decentralization organization |
| Choreography |
| Circular Economy |
| C-ITS |
| City logistics |
| Climate Neutral and Smart Cities |
| Climate Resilient Networks |
| Cloud Computing |
| Cloud Logistics |
| Cognitive Logistics |
| Collaboration |
| Collaborative Platforms |
| Collective Intelligence |
| Co-loading |
| Coloured Petri nets |
| Commodities |
| Comodality |
| Consignment note |
| Consolidation |
| Consolidation centres |
| Container |
| Container Logistics |
| Container terminal management |
| Coordination |
| Corridors Hubs and Synchromodality |
| Couriers |
| COVID-19 |
| Cross Border |
| Cross-chain collaboration |
| Cross-Docking |
| Crowd shipping |
| Crowdsourcing |
| Customs |
| Customs Cross Border Interoperability |
| cyber security |
| Data |
| Data Analytics |
| Data Formats |
| Data Ownership |
| Data Sharing |
| Data Sovereignty |
| Decarbonization |
| Decision Support System |
| Decission Making |
| Delivery |
| Delivery networks |
| Delivery Robots |
| Dematerialization |
| Digital Business Platform |
| Digital Twins |
| Digitalization |
| Distributed ledger |
| Distribution Center Optimization |
| Distribution process |
| Digital Transport and Logistics Forum |
| Dynamic Appointment Scheduling |
| Dynamic pricing |
| e-cmr |
| e-Commerce |
| e-Customs |
| Emission calculation |
| Emission factors |
| Emissions reduction |
| Empty trips |
| End-to-End Optimization |
| Equipment |
| Estimated Time of Arrival |
| e-trucks |
| Farm to Fork |
| Feeder vessel |
| Finance |
| Finished vehicles logistics |
| Flexibility |
| FMCG |
| Freight Forwarder |
| Freight transportation planning |
| FTL – Full Truck Loads |
| Fuels |
| Gain sharing |
| Gamification |
| General Cargo |
| Geo-fence |
| GIS |
| Governance |
| GPS |
| Green Deal |
| Green House Gas emissions |
| GS1 standards |
| GSM |
| H2020 Projects |
| Handling |
| Handling systems |
| Home delivery |
| Horizontal Collaboration |
| Hyperconnected City Logistics |
| Hyperconnected Distribution |
| Hyperconnected Logistics |
| Hyperconnected Systems |
| Innovative web platforms |
| Intermodal |
| Intermodal and Synchromodal Transport |
| internalization |
| Internet of Things |
| ITS |
| Land use |
| Large-Scale Hub Location Problem |
| Last mile |
| LTL (Less tan Truck Load) |
| Load carriers |
| Load factor |
| Load optimization |
| Load Units |
| Location specification |
| Logistics |
| Logistics Clusters |
| Logistics Networks |
| Logistics Nodes |
| Logistics Space Time Network |
| LSPs – (Logistics Service Providers) |
| M2M |
| Marketplace |
| Matchmaking platform |
| Metadata |
| Microzone |
| Mixed-integer linear programming |
| Modular Production |
| Modular systems |
| Modular Units |
| Modularization |
| Montecarlo |
| Multi-agent simulation |
| Multimodal hubs |
| Multimodal network |
| Multimodality |
| Multi-objective optimisation |
| Multiple modes |
| Nearshoring |
| Network-Model |
| Omnichannel Supply Chains |
| On-demand |
| Ontology |
| Ontology alignment |
| Open Networks |
| Open-source |
| Open-source standards |
| Optimization |
| Optimization; Mixed Integer Programming |
| Packaging |
| Pallets |
| Parcel |
| Parcel Distribution |
| Parcel Lockers |
| Parking spaces |
| Partnership creation |
| Party Specification |
| Physical Internet |
| Physical location identification |
| PI Access and Adoption |
| PI business models |
| PI containers |
| PI Governance |
| Platform |
| Platooning |
| Pooling |
| Port |
| Port Management |
| Port of the future |
| ports |
| Practical experiments |
| Price of Anarchy |
| Privacy |
| Procurement |
| Product availability |
| Purchase Order |
| Railway |
| Real time |
| Real time data |
| Reduction of food waste |
| Resilience |
| Resources |
| Retail |
| RFID |
| Road Transport |
| Road transport market |
| Roadmap |
| Robotic cargo handling |
| Robotics |
| Robustness |
| Routing |
| RPA (Robotic Process Automation) |
| SC Finance |
| Security |
| Self-organizing Logistics (SOL) |
| Semantic technology |
| Service-Orientation |
| Shared logistics |
| Shared Visibility |
| Shared Warehouses |
| Sharing assets |
| Sharing economy |
| Shipment specification |
| Shippers |
| Short Sea Shipping |
| Showcasing |
| Simulation |
| Situation awareness |
| Slot booking |
| Smart Containers |
| Smart Contracts |
| Smart Devices |
| Social capital |
| Social Internet of Things |
| Software Defined Networks |
| Sovereignty |
| Space Time Network |
| Space-time graphs |
| Standards |
| Stated preference |
| Stochastic transit times |
| Supply Chain |
| Supply Chain Management |
| Supply Chain Optimization |
| Supply Chain Visibility |
| Supply Network Coordination and Collaboration |
| Sustainability |
| Sustainable Logistics Supply Chains |
| Sustainable mobility |
| Sustainable Transport |
| Synchromodality |
| System of Logistics Networks |
| System Optimal Solution |
| Systems and Technologies for Interconnected Log. |
| Systems Integration |
| TEN-T Network |
| Terms-of-Use |
| Territory |
| Trace |
| Tracing vehicles |
| Track and Trace |
| Tracking |
| Tracking Documentation |
| Trade Identity |
| Transhipment |
| Transport chains |
| Transport System |
| Transportation Management |
| Transhipment |
| Truck Load Optimization |
| Truck platooning |
| Trucks |
| Trust |
| Trust between competitors |
| Trustees |
| Urban Logistics |
| Urban Mobility |
| User Equilibrium |
| Value chains |
| Value Networks |
| Variable reductions techniques |
| VGM verification |
| Virtual Reality |
| Virtualization |
| Visibility |
| Warehouse Optimization |
| Warehousing |
| White-label deliveries |
| Work Programme |
| Zero emissions |
| Zero Emissions Zones |