W1A - Interconnected City Logistics and Urban Mobility

- **Prior related work**

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

- **IPIC Conference Contribution**

  DeDomenico R. (2014). *CargoFish: A Network Utility for Parcel Exchange*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Faure L., B. Montreuil, P. Burlat & G. Marques (2014). *Ex ante sustainability improvement assessment of city logistics solutions: learning from a simple interlinked pooling case,* **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Klibi W., O. Labarthe, J.-C. Deschamps & Z. Babai (2014). *The Role of Peri-Urban Networks in Building Efficient and Sustainable Distribution Systems*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Fatnassi E., J. Chaouachi & W. Klibi (2014). *Towards Creating Sustainable Urban Areas: A Shared Passengers and Goods On-Demand Rapid Transit Proposal*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

Support paper

Rougès J.F. & B. Montreuil (2014). *Crowdsourcing delivery: New interconnected business models to reinvent delivery*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster



W1B - Routing Protocols for Interconnected Logistics

- **Prior related work**

  Sarraj R., E. Ballot, S. Pan, D. Hakimi & B. Montreuil (2014*). Interconnected logistics networks and protocols: simulation-based efficiency assessment*, **International Journal of Production Research**, Vol. 52, No. 11, p. 3185-3208. Also available as online publication http://dx.doi.org/10.1080/00207543.2013.865853

  Sarraj R., E. Ballot, S. Pan & B. Montreuil (2012). *Analogies between Internet networks and logistics service networks: challenges involved in the interconnection*, **Journal of Intelligent Manufacturing**, www.springerlink.com/content/4402307w812271j4/

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

  Montreuil B., E. Ballot & F. Fontane (2012). *An Open Logistics Interconnection Model for the Physical Internet*, **Proceedings of INCOM 2012 Symposium**, Bucharest, Romania, 2012/05/23-25.

- **IPIC Conference Contribution**

  Ben Othmane I., M. Rekik & S. Mellouli (2014). *Impact of Shipper Collaboration on Carriers Selection in Reputation-Based Transportation Auctions*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Klabi H., M. Rekik & S. Mellouli (2014). *A PI Allocation of Shipping Contracts using Reliability-Based Auctions*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

Pan S., X. Xu & E. Ballot (2014). *Auction based transport services allocation in Physical Internet: a simulation framework*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Walha F., A. Bekrar, S. Chaabane, T. Loukil (2014). *A rail-road PI-hub allocation problems: model and heuristic*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Support paper

Furtado P. & J.M. Frayret (2014). *Impact of resource sharing of freight transportation*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

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Pach C., T. Berger, E. Adam, T. Bonte & Y. Sallez (2014). *Proposition of a potential fields approach to solve routing in a rail-road π-hub*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

W2A - Physical Internet Induced Business Model Innovation

- **Prior related work**

  Montreuil B., J.-F. Rougès, Y. Cimon & D. Poulin (2012). *The Physical Internet and Business Model Innovation*, **Technology Innovation Management Review**, June, p. 32-37.

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

- **IPIC Conference Contribution**

  Cimon Y. (2014). *Implementing the Physical Internet real-world interface: Beyond business models, the devil is in the details*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Darvish M., El Boukili M., Kérékou S., Montreuil B. (2014). Using Cloud computing as a Model to Design the Service Web, **Proceedings of 1st International Physical Internet Conference (IPIC 2014),** Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Hambleton B. & Mannix K. (2014). The 3D Supply Network, **Proceedings of 1st International Physical Internet Conference (IPIC 2014),** Québec, Canada, 2014/05/28-30
  Summary Full paper Poster

Oktaei P., N. Lehoux & B. Montreuil (2014). *Designing Business Models for Physical Internet Transit Centers*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30
Summary Full paper Poster

Rougès J.F. & B. Montreuil (2014). Crowdsourcing delivery: New interconnected business models to reinvent delivery, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30
Summary Full paper Poster



W2B - Digital Protocols & Platforms for Interconnected Logistics

- **Prior related work**

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

  Montreuil B., E. Ballot & F. Fontane (2012). *An Open Logistics Interconnection Model for the Physical Internet*, **Proceedings of INCOM 2012 Symposium**, Bucharest, Romania, 2012/05/23-25.

  Hakimi D. & B. Montreuil (2011). *A Conceptual Framework for Designing Non-Programmed Decision Support Systems in the Context of Supply Webs*, **Proceedings of IESM 2011**, Metz, France, 2011/05/25-27.

- **IPIC Conference Contribution**

  Mtibaa F., A. Chaabane, I. Abdellatif & Y. Li (2014). *Towards a Traceability Solution in the Canadian Forest Sector*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Tretola G. & V. Verdino (2014). *A Collaborative Approach for Managing Data and Processes in the Physical Internet Using Modular Logistics*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Zhong R. Y., G. Q. Huang & S. Lan (2014). *Shopfloor logistics management using RFID-enabled big data under physical internet*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

Support paper

Qu T., Y. Chen, Z.Z. Wang, H. Luo & G. Q. Huang (2014). *System Dynamics Analysis for RFID –enabled Manufacturing System*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

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T1A - Physical Internet Network Value Modeling

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166

T1B - Physical Internet Containers

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil, B., R. D. Meller & E. Ballot (2010). *Towards a Physical Internet: the impact on logistics facilities and material handling systems design and innovation*, in **Progress in Material Handling Research 2010**, Edited by K. Gue et al., Material Handling Industry of America, p. 305-328.

- **IPIC Conference Contribution**

Alcaraz J., Jovani R. (2014). *Methodology for the evaluation of modular logistic units*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Poster

T2A - Physical Internet Business Brief Modeling

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

Cimon Y. (2014). *Implementing the Physical Internet real-world interface: Beyond business models, the devil is in the details*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

T2B - Interconnected Container Handling and Storage Technologies

Ballot, E., B. Montreuil & C. Thivierge (2014). *Functional Design of Physical Internet Facilities: A Road-Rail Hub*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 28-61.

Meller, R.D., B. Montreuil, C. Thivierge & Z. Montreuil (2014). *Functional Design of Physical Internet Facilities: A Road-Based Transit Center*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 347-378.

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil, B., R.D. Meller, C. Thivierge, C., and Z. Montreuil (2014). *Functional Design of Physical Internet Facilities: A Unimodal Road-Based Crossdocking Hub*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 379-431.

Montreuil, B., R. D. Meller & E. Ballot (2010). *Towards a Physical Internet: the impact on logistics facilities and material handling systems design and innovation*, in **Progress in Material Handling Research 2010**, Edited by K. Gue et al., Material Handling Industry of America, p. 305-328.

T3A - Interconnected Logistics Facilities, Platforms and Ports

- **Prior related work**

Ballot, E., B. Montreuil & C. Thivierge (2014). *Functional Design of Physical Internet Facilities: A Road-Rail Hub*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 28-61.

Meller, R.D., B. Montreuil, C. Thivierge & Z. Montreuil (2014). *Functional Design of Physical Internet Facilities: A Road-Based Transit Center*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 347-378.

Montreuil, B., R.D. Meller, C. Thivierge, C., and Z. Montreuil (2014). *Functional Design of Physical Internet Facilities: A Unimodal Road-Based Crossdocking Hub*, in **Progress in Material Handling Research** Vol. 12, MHI, Charlotte, NC, p. 379-431.

Montreuil, B., R. D. Meller & E. Ballot (2010). *Towards a Physical Internet: the impact on logistics facilities and material handling systems design and innovation*, in **Progress in Material Handling Research 2010**, Edited by K. Gue et al., Material Handling Industry of America, p. 305-328.

- **IPIC Conference Contribution**

  Hambleton B. & K. Mannix (2014). *The 3D Supply Network*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Oktaei P., N. Lehoux & B. Montreuil (2014). *Designing Business Models for Physical Internet Transit Centers*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Pach C., T. Berger, E. Adam, T. Bonte & Sallez Y. (2014). *Proposition of a potential fields approach to solve routing in a rail-road π-hub*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

Support paper

Walha F., A. Bekrar, S. Chaabane, T. Loukil (2014). *A rail-road PI-hub allocation problems: model and heuristic*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

T3B - Interconnected Reverse & Container Logistics

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

T4A - Interconnected e-Commerce Logistics & Last-Mile Delivery

Naccache S., B. Montreuil, H. Sohrabi, F. Barriault & E. Brotherton (2014). *From Integrated to Interconnected B2C E-Commerce Distribution: An Agent-Based Simulation Assessment*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Sohrabi H. & B. Montreuil (2014). *Towards An Interconnected Distribution Planning Framework*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Support paper

Roodbergen K.J., B. Montreuil & I.F.A. Vis(2014). *The physical internet concept for libraries: a first set of ideas*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Vis I.F.A, K.J .Roodbergen, M. Veenstra, T. Steffens & P.Buijs (2014). *Library operations in low- density areas*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

T4B - Physical Internet Analytical and Optimization Modeling

- **Prior related work**

  Ballot, E., O. Gobet & B. Montreuil (2011*). Physical Internet enabled open hub network design for distributed networked operations*, in **Service Orientation in Holonic and Multi-Agent Manufacturing Control**, edited by Borangiu, T., Thomas, A., Trentesaux, D., Vol. 402, Springer, p 279-292.

  Ballot E., B. Montreuil & F. Fontane (2011). *Typology of Logistic Networks and the Potential of the Physical Internet*, **Proceedings of IESM 2011**, Metz, France, 2011/05/25-27.

  Sohrabi, H., & Montreuil, B. (2011). *From Private Supply Networks and Shared Supply Webs to Physical Internet Enabled Open Supply Webs*. In **Adaptation and Value Creating Collaborative Networks**, Springer Berlin Heidelberg, p. 235-244.

  Sohrabi, H., W. Klibi & B. Montreuil (2012). *Modeling scenario-based distribution network design in a Physical Internet enabled open Logistics Web*. Proceedings of **ILS 2012 International Conference on Information Systems, Logistics and Supply Chains**, Québec, Canada, 2012/08/27-29.

- **IPIC Conference Contribution**

  Fazili M., U. Venkatadri, M. Tajbakhsh, P, Cyrus (2014). *Comparison of the conventional, physical internet and hybrid logistic systems,* **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Support paper

  Klibi W., O. Labarthe, J.-C. Deschamps & Z. Babai (2014). *The Role of Peri-Urban Networks in Building Efficient and Sustainable Distribution Systems*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

F1A - Interconnected Consumer Goods and Food Logistics: Towards Large-Scale Innovation, Validation & Appropriation Endeavours

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

Sarraj R., E. Ballot, S. Pan, D. Hakimi & B. Montreuil (2014). *Interconnected logistics networks and protocols: simulation-based efficiency assessment*, **International Journal of Production Research**, Vol. 52, No. 11, p. 3185-3208. Also available as online publication http://dx.doi.org/10.1080/00207543.2013.865853

F1B - The Physical Internet Potential in the Forest and Wood Product Industry

- **Prior related work**

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

- **IPIC Conference Contribution**

  Mtibaa F., A. Chaabane, I. Abdellatif & Y. Li (2014). *Towards a Traceability Solution in the Canadian Forest Sector*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

F2A - Physical Internet Network Design & Deployment

- **Prior related work**

Sarraj R., E. Ballot, S. Pan & B. Montreuil (2012). *Analogies between Internet networks and logistics service networks: challenges involved in the interconnection*, **Journal of Intelligent Manufacturing**, www.springerlink.com/content/4402307w812271j4/

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

Ballot, E., O. Gobet & B. Montreuil (2011*). Physical Internet enabled open hub network design for distributed networked operations*, in **Service Orientation in Holonic and Multi-Agent Manufacturing Control**, edited by Borangiu, T., Thomas, A., Trentesaux, D., Vol. 402, Springer, p 279-292.

Sohrabi, H., & Montreuil, B. (2011). *From Private Supply Networks and Shared Supply Webs to Physical Internet Enabled Open Supply Webs*. In **Adaptation and Value Creating Collaborative Networks**, Springer Berlin Heidelberg, p. 235-244.

Sohrabi, H., W. Klibi & B. Montreuil (2012). *Modeling scenario-based distribution network design in a Physical Internet enabled open Logistics Web*. Proceedings of **ILS 2012 International Conference on Information Systems, Logistics and Supply Chains**, Québec, Canada, 2012/08/27-29.

Ballot E., B. Montreuil & F. Fontane (2011). *Typology of Logistic Networks and the Potential of the Physical Internet*, **Proceedings of IESM 2011**, Metz, France, 2011/05/25-27.

- **IPIC Conference Contribution**

  Sohrabi H. & B. Montreuil (2014). *Towards An Interconnected Distribution Planning Framework*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Support paper

  Abodohoui A. & S. P. Aïhounhin, R. Mayuto, A. Marif & B. Montreuil (2014). *Assessing the Readiness of Africa for the Physical Internet*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Hambleton B. & K. Mannix (2014). *The 3D Supply Network*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Qu T., Y. Chen, Z.Z. Wang, H. Luo & G. Q. Huang (2014). *System Dynamics Analysis for RFID-enabled Manufacturing Systems*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

F2B - Interconnected Regional and Territorial Development

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

Abodohoui A. & S. P. Aïhounhin, R. Mayuto, A. Marif & B. Montreuil (2014). *Assessing the Readiness of Africa for the Physical Internet*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Support paper

Roodbergen K.J., B. Montreuil & I.F.A. Vis(2014). *The physical internet concept for libraries: a first set of ideas*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Vis I.F.A, K.J .Roodbergen, M. Veenstra, T. Steffens & P.Buijs (2014). *Library operations in low- density areas*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

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F3A - Towards Smart Interconnected Electrified Transportation

- **Prior related work**

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

- **IPIC Conference Contribution**

  DeDomenico R. (2014). *CargoFish: a network utility for parcel exchange*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

F3B - Physical Internet Simulation Modeling

- **Prior related work**

  Hakimi, D., B. Montreuil, R. Sarraj, E. Ballot & S. Pan (2012). *Simulating a Physical Internet enabled distribution web: the case of mass distribution in France*. Proceedings of **ILS 2012 International Conference on Information Systems, Logistics and Supply Chains**, Québec, Canada, 2012/08/27-29.

  Hakimi, D., B. Montreuil, R. Sarraj, E. Ballot & S. Pan (2012). *Simulating a Physical Internet enabled mobility web: the case of mass distribution in France*. **9ème Conférence Internationale de Modélisation, Optimisation et SIMulation (MOSIM 2012)**, Bordeaux, France, 2012/06/6-8.

  Sarraj R., E. Ballot, S. Pan, D. Hakimi & B. Montreuil (2014). *Interconnected logistics networks and protocols: simulation-based efficiency assessment,* **International Journal of Production Research**, Vol. 52, No. 11, p. 3185-3208. Also available as online publication http://dx.doi.org/10.1080/00207543.2013.865853

  Sarraj R., E. Ballot, S. Pan & B. Montreuil (2012). *Analogies between Internet networks and logistics service networks: challenges involved in the interconnection*, **Journal of Intelligent Manufacturing**, www.springerlink.com/content/4402307w812271j4/

- **IPIC Conference Contribution**

  Furtado P. & J.M. Frayret (2014). *Impact of resource sharing of freight transportation*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

  Naccache S., B. Montreuil, H. Sohrabi, F. Barriault & E. Brotherton (2014). *From Integrated to Interconnected B2C E-Commerce Distribution: An Agent-Based Simulation Assessment*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

  Summary Full paper Poster

Pan S., X. Xu & E. Ballot (2014). *Auction based transport services allocation in Physical Internet: a simulation framework*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

Qu T., Y. Chen, Z.Z. Wang, H. Luo & G. Q. Huang (2014). *System Dynamics Analysis for RFID-enabled Manufacturing Systems*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

Summary Full paper Poster

F4A - Towards Physical Internet Standards

Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

F4B - Interconnected Humanitarian Logistics

- **Prior related work**

  Montreuil B. (2011). *Towards a Physical Internet: Meeting the Global Logistics Sustainability Grand Challenge*, **Logistics Research**, Vol. 3, No. 2-3, p. 71-87, also available as online publication, http://www.springerlink.com/content/g362448hw8586774/fulltext.pdf

  Montreuil B., R.D. Meller & E. Ballot (2013). *Physical Internet Foundations*, in **Service Orientation in Holonic and Multi Agent Manufacturing and Robotics**, ed. T. Borangiu, A. Thomas and D. Trentesaux, Springer, p. 151-166.

- **IPIC Conference Contribution**

  Ado A., I. Ben Othmane, M. Matei & B. Montreuil (2014). *Towards physical internet enabled interconnected humanitarian logistics*, **Proceedings of 1st International Physical Internet Conference (IPIC 2014)**, Québec, Canada, 2014/05/28-30

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