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AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY



HONORARY PATRONAGE

Marshal of the Malopolska Region
Jacek Krupa



Mayor of Zakopane
Leszek Dorula

SPONSOR



Program ICIL 2016, Zakopane, Poland

FIRST DAY: 28 SEP. 2016

REGISTRATION AT THE HOTEL HYRNY IN ZAKOPANE (18:00 – 21:00).

DINNER (18:00 - 20:00)

SECOND DAY: 29 SEP. 2016

REGISTRATION AT THE HOTEL HYRNY IN ZAKOPANE (8:00 – 9:00).

BREAKFAST (8:00 – 9:15)

9:30

OPENING CEREMONY OF THE INTERNATIONAL CONFERENCE ON INDUSTRIAL LOGISTICS

Plenary session

Chairman: Alberto G. Canen

1. Erwin Pesch

Recent advances in intermodal transport optimization

2. Zilla Sinuany-Stern

Factors effecting police station efficiency

COFFEE BREAK

11:00

Session 1

Chairman: Goran Dukic

1. Joanna Rokimi Marszewska

Implications of seismic hazard in Japan on Toyota's supply chain disruption risks

2. Tadeusz Sawik

Robust vs. resilient supply portfolio under disruption risks

3. Minoru Saito, Yuji Yano

Making an efficient 'last mile' delivery system in Japan

4. Allen Greenwood, Travis Hill, Robbie Holt, Chase Saunders

Using simulation to enhance procurement sourcing decisions

LUNCH (13:00 – 14:15)

14:30

Session 2

Chairman: Tadeusz Sawik

1. Tone Lerher, Valerij Strmčnik, Iztok Potrč, Matjaž Šraml, Boris Jerman, Nenad Zrnić

Simulation-based performance analysis of an order picking systems

2. Tone Lerher, Vaska Pejic, Borut Jereb, Tomaž Kramberger, Bojan Rosi

Lean and green logistics: a theoretical framework approach

3. Daniel Muniz, Maria Fae

Effects of transport logistics on local development in Serra, Brazil

4. Iara Tammela, Ramon Baptista Narcizo, Alberto G. Canen

Time-based competition: a case study in a Brazilian company operating in the oil and gas industry

COFFEE BREAK



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16:30

Session 3

Chairman: Tone Lerher

1. **Jiayi Wang, Jonathan Ebner, John Geraghty**
Characterization of multi-objective performance matrices in relation to inventory control policies
2. **Tautvydas Bargelis, Algirdas Bargelis**
Modeling of industrial logistics functions for order-based manufacturing companies
3. **Pavels Patlins, Remigijs Pocs**
Secondary and tertiary packaging improvement opportunities into logistics processes

DINNER (18:15 - 20:00)

THIRD DAY: 30 SEP. 2016

BREAKFAST (8:00 – 9:15)

9:30

Plenary session

Chairman: Predrag Cosic

1. **Waldemar Kaczmarczyk**
Does scheduling really have an impact on machine utilization in flow shop systems?

COFFEE BREAK

10:15

Session 4

Chairwoman: Maria Fae

1. **Maja Trstenjak, Predrag Cosic**
Operations sequencing as part of the operations management
2. **Stefan Schmidt**
New perspectives – digitalisation to advance production and logistics network
3. **Maciej Bielecki, Magdalena Hanczak**
Evaluation of the selected aspects of logistic efficiency of a product – an example of a production enterprise

COFFEE BREAK

11:30

Session 5

Chairman: Allen Greenwood

1. **Adrian Serrano-Hernandez, Javier Faulin, Mercedes Sanchez, Javier Belloso, Bartosz Sawik**
Locating a biorefinery under environmental criteria: a green facility location problem
2. **Bartosz Sawik, Javier Faulin, Elena Pérez-Bernabeu, Adrian Serrano-Hernandez**
Bi-objective optimization models for green VRP approaches
3. **Maria Cristina Fogliatti de Sinay, Gabriel A. De Araujo, Laura Sinay, Marta C. Dalbem**
Practices of Corporate Social Responsibility in large Brazilian industrial
4. **Ewa Wankowicz**
Sustainable fibre for sustainable fashion supply chains: where the journey to sustainability begins
5. **Petri Helo, Anna Rymaszewska**
Creating customer value through the use of data



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LUNCH (13:00 – 14:15)

14:30

Session 6

Chairman: Stefan Schmidt

1. **Bartosz Sawik**
Multi-criteria mathematical programming approaches for assignment of services in hospital
2. **Dagmar Piotr Tomanek, Jürgen Schröder, Markus Wirz**
Value added heat map – a new method for the optimization of production space
3. **Sara Alszer, Jolanta Krystek**
The role of buffer warehouses in selected production systems
4. **José G. Hernández R., Esther A. Barreto O., Gilberto J. Hernández G., María J. García G.**
Security & Safety (S&S) and the logistics business
5. **José G. Hernández R., Lucía M. Schwarz I., Trina M. Schwarz I., María J. García G., Gilberto J. Hernández G.**
Social impact of restrictions on inventory management
6. **José G. Hernández R., Jerónimo De Burgos J., María J. García G., Gilberto J. Hernández G.**
Generation and management knowledge. A view from the manager of packaging

COFFEE BREAK

17:00

Poster session

Chairwoman: Izabella Stach

1. **Goran Dukic, Tihomir Opetuk, Tone Lerher**
An integrated model of storage and order-picking area layout design
2. **Teresa Gajewska, Elżbieta Wyras**
Flexibility of deliveries criteria connected with the competitiveness transport companies
3. **Katarzyna Gdowska**
Lexicographic approach to interval synchronization in public transportation systems
4. **Krzysztof Jurczyk, Jerzy Mikulik, Katarzyna Gdowska, Wojciech Woźniak**
Demand forecasting with the usage of artificial neural networks on the example of a distribution enterprise
5. **Jakub Jurasz, Jerzy Mikulik**
Scheduling operation of wind powered pumped-storage hydroelectricity
6. **Antoni Korcyl, Katarzyna Gdowska, Roger Książek**
A MILP model for route optimization problem in a municipal multi-landfill waste collection
7. **Małgorzata Kuźnar, Elżbieta Wyras**
Analysis of the most elected interurban transportation modes among Cracow students of state universities
8. **Augustyn Lorenc, Maciej Szkoda**
Impact of a Just-in-Sequence system on the effectiveness of Internal transport in automotive industry
9. **Augustyn Lorenc**
Method of effectiveness evaluation of products picking process for pick by order type in warehouse on basis of a picking list
10. **Ljerka Luić, Goran Savic**
Business intelligence in managing of technical-information system



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11. Jacek Ryczyński, Paulina Krawczynszyn

The use of AHP method to select optimum means of transport for strategic goods of transport for strategic goods

12. Izabella Stach, Maksymilian Kołodziej

Control sharing analysis and simulation

13. Mariusz Wasiak, Ilona Jacyna-Gołda, Mariusz Izdebski

Multi-criteria warehouses location problem in the logistics network

14. Elżbieta Wyras, Małgorzata Kuźniar

Urban communication behavior among Cracow students of state universities

20:00

GALA DINNER

KARCZMA REGIONALNA PRZY MŁYNIE

UL.BULWARY SŁOWACKIEGO 23

34-500 ZAKOPANE

FOURTH DAY: 1 OCT. 2016

BREAKFAST (8:00 – 9:30)

10:00

EXCURSION TO 'MORSKIE OKO'

ADDITIONAL INFORMATION:

Oral presentations **should not exceed 15 minutes**. The authors will have the possibility of using computers for the presentations (Power Point, PDF File).

The maximal poster size is **B1 width 700mm, height 1000 mm**. All posters will be presented during the session Poster Presentation. During that time the authors should be at poster place to explain their research results.

The International Conference on Industrial Logistics (ICIL) 2016 will take place in Poland, from September 28th till October 1st 2016, hosted by the Faculty of Management, AGH University of Science and Technology in Krakow (Poland) and International Centre for Innovation and Industrial Logistics (ICIL, Brazil).

International Centre for Innovation and Industrial Logistics (ICIL) is a non-profit professional association which has been developing an integrated view of Industrial Logistics, sharing and exchanging ideas and research results among students, researchers, academics and industrialists. The biannual International Conference on Industrial Logistics (ICIL) is the main mean to attain these objectives worldwide, moving from France 1993 to Brazil 1995, USA 1997, Russia 1999, Okinawa 2001, Finland 2003, Uruguay 2005, Lithuania 2006, Israel 2008, Brazil 2010 and Croatia 2012 and 2014.

The conference will feature a multidisciplinary program that will include original research results and contributions to the fields of logistics and supply chain management. Organizing and Scientific Committee gladly invite professionals, academics, students and industrialists to send contributing papers to the Conference.