



Transportation Science and Logistics Society

President's Note

Tom Van Woensel

The end of year is almost there. This also means that the end of my presidency for our fantastic society has almost come. Next year I will be past-president. I would also like to thank Karen Smilowitz for her excellent support and all her work the past years for our society. I am very happy that Alan Ereira will follow up as our 2019 president, supported by Ann Campbell as the president-elect. Finally, a strong "thank you" to all volunteers that participated in a variety of our activities. Without you, the society would have been in much worse shape. With all this continued support and help, I am certain our society is in good hands!

The past year was gone before I realized. Our society maintained (or slightly increased) its membership. We had a successful TSL workshop in Hong Kong, the INFORMS fall

conference was highly attended by many of our members, and we were lucky to have more grants given away to very strong applications. A very successful year.



I thank all members for making our TSL society such a vibrant and dynamic environment. I am proud to be part of the Transportation Science and Logistics society. Enjoy the end-of-year break. I wish you all a merry Christmas and a happy new year!

Tom



TSL at INFORMS Annual Meeting 2018

Phoenix, Arizona

The 2018 INFORMS Annual Meeting in Phoenix, Arizona, included 61 TSL sessions with 227 talks, 181 of which were invited talks. The most discussed topics included urban and freight transport as well as intelligent transportation systems (ITS). Special thanks go out to the cluster chair Samitha Samaranyake (Cornell University) as well as to the SIG chairs and vice-chairs Vikrant Vaze (Dartmouth College), Andrew Churchill (Mosaic ATM, Inc.), Pratik J. Parikh (Wright State University), Larry Snyder (Lehigh University), Justin Goodson (St. Louis University), Alireza Khani (University of Minnesota), and Joseph Chow (New York University).

During the business meeting, we congratulated the new officers Ann Campbell (as president elect), Vikrant Vaze (as TSL Secretary/Treasurer) and Lavanya Marla (as Vice-Chair TSL Air Transportation SIG). For this enthusiasm, his hard work, and a great person we awarded Barrett W. Thomas the president's service award. Barry Thomas was active in various roles in our society. In all these roles, he has persistently been working and shaping our current society.

The TSL dissertation prize was awarded to Maximilian Schiffer (RWTH Aachen University) for his thesis on "Logistics networks with intermediate stops - designing innovative and green solutions" as supervised by Michael Schneider and Gilbert Laporte. An honorable mention went to Chiwei Yan (Massachusetts Institute of Technology) for his thesis on "Airline scheduling and air traffic control: incorporating uncertainty and passenger and airline preferences", as supervised by Cynthia Barnhart and Vikrant Vaze. The new TSL Dissertation Prize for

Emerging Economies sponsored by CDSL Commodity Repository Limited, India, was awarded to Rakesh Venkatasubramony (Indian Institute of Technology Bombay) for his thesis on "Analytical Models for Designing Some Rack and Floor Based Warehouse Configurations", as supervised by Gajendra K. Adil.

The TSL Best Paper Award selected the best paper in terms of originality, methodology, and practice from 19 candidates. The award went to Natasha Boland, Mike Hewitt, Luke Marshall, and Martin Savelsbergh for their paper "The Continuous-Time Service Network Design Problem" as published in Operations Research.

Given the high quality of submissions for this year's cross regional grants, the funding was extended to allow for sponsoring three cross-regional and two doctoral grants. The cross-regional grants of \$2,000 per team were awarded to Marilene Cherkesly and Timo Gschwind, Mike Hewitt and Fabien Leheude, and Marlin Ulmer and Martin Savelsbergh. The doctoral grants of \$2,000 per team were awarded to Michael Redmond for visiting Jan Ehmke and to Yannik Scherr for visiting Mike Hewitt.



Mingling and discussions during the TSL Business Meeting 2018 in Phoenix, Arizona.

CALL FOR PAPERS

2019 TSL Workshop: Transportation in the sharing economy.
July 15-18, 2019 – Vienna, Austria

Submission Deadline: January 15, 2019

The 7th TSL Society Workshop will take place July 15 - July 18, 2019 at the University of Vienna. The workshop will be in the building of the Faculty of Business, Economics and Statistics (Oskar-Morgenstern-Platz 1) and is supported by the Austrian Science Fund. This building is located in the city center with many hotels and tourist attractions in close proximity. A large part of the workshop will take place in the "SkyLounge", which is located on the 12th floor of the building and offers a stunning view over the city center of Vienna.

This time the topic of the workshop is "Transportation in the sharing economy". Sharing economy refers to collaborative consumption. It is typically organized through platforms that facilitate the exchange of goods or services. Given an increasing pressure to act economically and ecologically efficient, mechanisms that help to benefit from idle capacities are on the rise. Both transportation companies and heavy users of transportation services need to learn how to play in a world of shared idle capacities. We anticipate talks on various types of collaborations, crowd delivery, car-sharing, car-pooling, ride-sharing, etc.

We will welcome contributions that address modeling, methodological or game theoretical aspects. Possible topics are (but not limited to):

- Collaborative and cooperative transportation
- Crowd shipping or sourcing
- Car, bike or ride sharing
- Car and bike repositioning
- Car pooling
- Intermodal and multimodal transportation
- Synchromodality and the physical internet
- Business model developments in the sharing economy
- Shared mobility services.

Instructions for contributors: Please follow the instruction for submitting your abstract on our website: tslworkshop2019.univie.ac.at

Abstracts should be as complete as possible, not less than 2 pages and not exceeding more than 3 pages. All abstracts must be received electronically on or before January 15, 2019. At least one of the authors must certify that he/she intends to register for and attend the workshop to present the paper if it is accepted. We plan to have a special issue in Transportation Science associated with the workshop.

Organizing Committee:

- *Margaretha Gansterer (Universität Wien, Austria)*
- *Karl Dörner (Universität Wien, Austria)*
- *Richard Hartl (Universität Wien, Austria)*
- *Rudolf Vetschera (Universität Wien, Austria)*



CALL FOR NOMINATIONS

VeRoLog Doctoral Dissertation Prize

The VeRoLog Doctoral Dissertation Prize (VeRoLog DDP) is issued by the EURO working group on Vehicle Routing and Logistics optimization (VeRoLog) and is awarded at each VeRoLog annual conference. The purpose of the prize is to distinguish an outstanding PhD thesis on Operational Research methods applied to the Vehicle Routing and Logistics Optimization. It will be awarded at the VeRoLog 2019 conference (Seville, June 3-5, 2019).

Eligibility of applications: The VeRoLog DDP 2018 jury will only consider PhD theses in Operational Research defended between 1 January 2017 and 31 December 2018. Nominations are NOT restricted to members of societies that belong to EURO. This year, the award will span two years because in 2018 no VeRoLog Conference took place. Depending on the number and quality of the applications the jury may decide to award two separate winners for 2017 and 2018.

To be considered, a dissertation should be nominated by the supervisor of the thesis (one of them in case of multiple supervisors). The supervisor is asked to provide the jury with the following information:

1. the text of the dissertation,
2. an extended abstract (up to 5 pages) of the dissertation written in English,
3. if the dissertation is not written in English, a paper in English authored (or co-authored) by the author of the dissertation and describing the core ideas of the thesis. This paper should preferably have been published in or submitted to an international journal.
4. nomination letters from two referees selected by the dissertation supervisor, supporting the submission and stating why the thesis should win the award.

5. an up-to-date CV of the candidate, including a list of publications.

No nomination will be considered without these items. All information should be sent in electronic form to the chairman of the jury, Wout Dullaert using a compressed format (e.g. zip).

Since many PhD theses in OR are defended each year, the jury would like to remind supervisors that only outstanding pieces of work have a reasonable chance of winning the award.

The jury consists of:

- Wout Dullaert, Vrije Universiteit Amsterdam, the Netherlands (chair)
- Karl Doerner, Universität Wien, Austria
- Juan Jose Salazar Gonzalez, Universidad de la Laguna, Spain

Selection process: The members of the jury will study each application in detail. The jury evaluates the applications taking the following points into account:

- Originality and novelty of the subject,
- Pertinence of the subject for VeRoLog,
- Depth and breadth of the results,
- Contributions of the dissertation to the theory and practice of OR applied to Vehicle Routing and Logistics Optimization,
- Applications and/or potential applicability of the results,
- Impact on related fields,
- Quality of the related publications.

The jury may decide not to assign the prize if no thesis reaches an adequate level of quality. The prize consists in a certificate and a reward of Euro 500. The deadline for submitting applications is **February 3, 2019**.

Prof. Dr. Wout Dullaert, School of Business and Economics, Logistics Vrije Universiteit Amsterdam, Netherlands, wout.dullaert@vu.nl
- subject: Verolog DDP 2018

CALLS FOR SUBMISSIONS

PhD Workshop on Advances in OR
Applied to Transportation and Logistics
May 20-22, 2019
Quinlan School of Business, Loyola
University Chicago

On behalf of the organizing committee, I would like to invite PhD students interested in research topics related to transportation and logistics to attend a workshop that Loyola University Chicago will be hosting in May, 2019. The goal of this workshop is to expand the capabilities of the scientific community focused on transportation and logistics to solve real-world problems. As such, the workshop has been designed with three objectives in mind:

- 1) Give PhD students the opportunity to listen to, and have in-depth discussions with, academic experts from different research areas.
- 2) Give PhD students the opportunity to learn the perspectives and interests of future “customers” of their work, including journal editors, funding agencies, and (potential) industry collaborators.
- 3) Build a community amongst PhD students that will carry through to their professional careers.

To achieve these goals (in part), the speaker list for the workshop includes individuals from various backgrounds. The tentative list of speakers is as follows:

Industry speakers:

- Amazon
- Schneider
- Manhattan Associates

Journal editors and funding agencies:

- Irina Dolinskaya (program director at the National Science Foundation)
- Gilbert Laporte (former editor of Transportation science)
- Martin Savelsbergh (current editor of Transportation Science)

Academic researchers:

- Jean-Francois Cordeau - HEC Montreal
- Alan Erera - Georgia Institute of Technology
- Emma Frejinger - Universite de Montreal
- Mike Hewitt - Loyola University Chicago
- Hani Mahmassani - Northwestern University
- Dirk Mattfeld - TU Braunschweig
- Carolina Osorio - MIT
- Siqian Shen - University of Michigan
- Karen Smilowitz - Northwestern University
- Barry Thomas - University of Iowa

In addition to talks, and in pursuit of objective three, the agenda will include multiple periods of time dedicated to networking amongst the workshop attendees.

We are fortunate to have received funding from the National Science Foundation to provide scholarships for a limited number (estimated at 20-22) of students attending the workshop. Specifically, those students who receive a scholarship will be able to attend with no registration fee, free lodging from Sunday night through Wednesday night, and coffees and lunch each day of the workshop. Lodging will involve two-bedroom apartments with two students in each apartment. To be considered for funding, a student should submit a single zip file containing their application to the link below:

<https://www.dropbox.com/request/JwpOmZEE5jB3fW4fExHW>

The deadline for applications is January 15, 2019 1 PM EST. Please give the zip file you

upload a name that follows this format:
FIRSTNAME-LASTNAME-UNIVERSITY-
Workshop-Application.zip

An application should include the following materials:

- 1) A Curriculum Vitae
- 2) A cover letter

The intention is for these materials to mimic what a student would need to pursue a career either in academia or industry, and the cover letter should indicate what the student hopes to pursue. We expect that these application materials may differ based on the career the individual hopes to pursue. For example, a cover letter for an individual seeking an academic career should emphasize different points than a cover letter for an individual seeking an industry career. In keeping with its real-world focus, we hope the workshop will be attended by students interested in both types of careers.

Each application will be evaluated on:

- 1) Communications ability: For an applicant intending to pursue an academic career, this will be tantamount to teaching ability. For an applicant intending to pursue an industry career, this will be the same as the applicant's ability to communicate the value of his/her research in an industrial setting.
- 2) Scholarly/research potential.
- 3) Impact attending workshop will have on applicant's career.
- 4) Impact receiving funding will have on applicant's career.

We also note that the selection process will be aligned with the National Science Foundation's aim to broaden participation in Science, Technology, Engineering & Math (STEM) disciplines. We anticipate notifying students whether or not they will be selected for a scholarship by February 15, 2019. Students not selected for a scholarship will be able to attend

the workshop at an (estimated) registration fee of \$150, with registration link to come. Registration will cover coffee and lunch each day of the workshop.

There will be one other opportunity for PhD students to jump-start their careers with this workshop. Specifically, there will be an opportunity for three students to present their research at the workshop as well as have it discussed in a constructive manner. Students interested in being considered for this opportunity should then indicate as such in their cover letter. These applications should also consist of a 2-3 page extended abstract, similar in nature to what one would submit to one of the leading conferences in transportation and logistics (e.g. Odysseus, Tristan, TSL Conference/Workshop).

These abstracts will be evaluated based on the following criteria:

- 1) Research topic is within the scope of transportation and logistics
- 2) Originality of research
- 3) Strength/maturity of research
- 4) Quality of writing

We encourage students to apply for a scholarship and look forward to seeing everyone in Chicago in May, 2019. Any questions regarding the workshop can be directed to Mike Hewitt, mhewitt3@luc.edu.

Organizing committee

Hani Mahmassani - Northwestern University
Maciek Nowak - Loyola University Chicago
Siqian Shen - University of Michigan
Barrett Thomas - University of Iowa

KALYX Cross-Regional Grant Re-Opened!

The application window for the TSL Cross Regional Grant focused on Asia, Australia and New Zealand and sponsored by Kalyx Warehousing, one of the fastest growing warehousing companies specialized in warehousing and logistics, has re-opened!

The selection committee is composed of the three International Liaisons and one representative appointed by VeRoLog, and is chaired by the TSL Past President. All applicants for these grants must be registered TSL members.

This re-opened grant will be available to the best submission with at least one applicant whose primary place of employment is located within the Asia, Australia and New Zealand region. The best submission will receive a total of \$2000.

It is expected that recipients will present their research at the earliest possible INFORMS, TSL, or VeRoLog conference (if applicable). The application should include the following:

Description of the Project: Describe in appropriate detail the proposed activity, including:

A brief description of the project, including its relevance and contribution to the TSL community (and to EURO/VeRoLog if

applicable) as well as its broader impact on society.

Describe how this project relates to the applicants' research programs, including their qualifications and future projects/proposals.

Describe (briefly) the discussions that the collaborators have already conducted.

Applicants should limit the description to no more than 750 words, in double-spaced format.

Timeline and Proposed Budget: Describe how and when you anticipate disseminating the results of this project.

Provide a budget, indicating how grant dollars will be spent towards that budget. This could be as simple as indicating that the budget will be spent on travel expenses.

Curriculum Vitae: Full Curriculum Vitae for each applicant -attach at end of application.

Please submit proposals to Karen Smilowitz by **January 10, 2019**.

2018 TSL Collaboration Grant Committee

Karen Smilowitz, TSL Past-President

Jorge Mendoza, International Liaison, Europe and Africa

Debjit Roy, International Liaison, Asia, Australia & New Zealand

Cristian Cortes, International Liaison, The Americas

Daniele Vigo, EURO representative.

News and Notes

Catherine Cleophas

Council of University Transportation Centers (CUTC) Student Awards. This year there were 62 submissions for five different CUTC student awards. 56 reviewers completed 248 reviews. The winners are:

- Parker P&P: Melissa Sather, UCLA
- Pikarsky MS: Pragnu Vinayak, The University of Texas at Austin
- Pikarsky PhD: Cathy Wu, UC Berkeley
- Wootan MS: Anne Brown, UCLA
- Wootan PhD: Kyle Sorlie Titlow, University of Arizona

NRL launches new department on Logistics and Supply Chain Management. The Naval Research Logistics (NRL) journal has launched a new department on Logistics and Supply Chain Management (LSCM) that seeks to publish high-quality papers advancing the theory and practice of logistics and supply chain management. Logistics and supply chain management involves the design, planning, control, and coordination of physical goods flows, as well as the management of related information and financial flows. Its research features a diverse set of topics, such as inventory management, supply chain coordination, supply chain design and network configurations, supply chain planning, logistics and distribution, and supply chain risk management, etc.

The department is committed to publishing papers that provide original analytical models, theory, methodologies, and algorithms for addressing essential logistics and supply chain issues of practical relevance. We particularly welcome papers that develop and analyze new business models, for instance, those motivated by and focusing on omnichannel retailing, global supply chains, sharing economy and driverless vehicles. We are also highly interested in papers that explore topics with broader societal impacts, such as humanitarian supply

chains, supply chain disruption, responsible supply chains and sustainability.

Associate editors: Volodymyr Babich, Xiting Gong, Ana Muriel, Michal Tzur, Linwei Xin, Yi Yang, Sean Zhou, Leon Zhu.

NRL is a premier journal devoted to publishing high-quality papers in operations research / management and general quantitative modeling. Starting 2018, NRL strives to achieve an average turn-around time of 60 days and no more than 90 days.

Harilaos N. Psaraftis has edited a new book titled *Sustainable Shipping: A Cross-Disciplinary View* with Springer. The included chapters cover many relevant topics. These include a general view of maritime transport sustainability, green ship technologies, information and communication technologies (ICTs) for sustainable shipping, green tramp ship routing and scheduling, green liner network design and speed optimization. Market based measures, oil pollution, ship recycling, sulphur emissions, ballast water management, alternative fuels and green ports are also covered. The book concludes by discussing prospects for the future, with a focus on the IMO Initial Strategy. It will come out in early 2019.

Pratik J. Parikh was promoted to full professor in Industrial and Systems Engineering at Wright State University (Dayton, OH, USA). He joined WSU in 2009 after a brief stint in the Supply Chain industry.

Pratik J. Parikh was recognized with the 2018 INFORMS Volunteer Service Award for his contributions to the Facility Logistics SIG and as track chair on numerous occasions. He has been an INFORMS member since 2005, and has been the VC (2015-17) and Chair (2017-19) of the FL SIG.

About Us

TSL Officers 2018

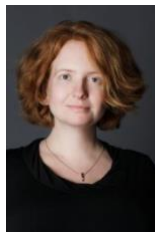
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Vice-President/President Elect	<u>Alan Erera</u>	Newsletter Editor	<u>Catherine Cleophas</u>
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Communications Chair	<u>Jan Ehmke</u>		
Past President	<u>Karen Smilowitz</u>		

Special Interest Groups

Freight Transportation and Logistics	<u>Justin Goodson</u> (C), <u>Sandra Eksioglu</u> (VC)
Urban Transportation Planning and Modeling	<u>Joseph Chow</u> (C), <u>Changhyun Kwon</u> (VC)
Facility Logistics	<u>Pratik J. Parikh</u> (C), <u>Larry Snyder</u> (VC)
Intelligent Transportation Systems	<u>Alireza Khani</u> (C), <u>Qing He</u> (VC)
Air Transportation	<u>Vikrant Vaze</u> (C), <u>Andrew Churchill</u> (VC)

International Liaisons

Europe and Africa	<u>Jorge Mendoza</u>
Americas	<u>Cristián Cortés</u>
Asia, Australia, and New Zealand	<u>Debjit Roy</u>



To suggest items for future newsletters,
contact
Catherine Cleophas at cleophas@bw.uni-kiel.de
or Jan Fabian Ehmke at jan.ehmke@ovgu.de.



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