



Transportation Science and Logistics Society

President's Note

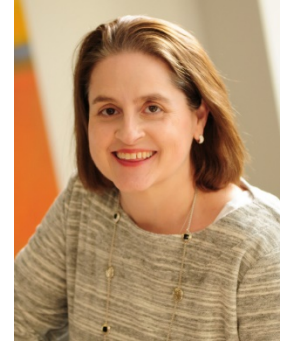
Ann Melissa Campbell

I'm excited to begin my term as President of TSL. I consider it quite an honor. TSL has been a big part of my academic career – from using the business meeting to nervously introduce myself to my heroes as a PhD student, to serving the society as cluster chair, on various committees, as secretary/treasurer, as a workshop organizer, and now in this role. I'm glad to have on the board numerous colleagues who have long been active TSL members, with considerable experience guiding the society.

Thanks to the hard work of so many past and current officers I take on this role at a time when TSL is in great shape. Our financial situation is strong, and the Society is doing more than ever. We will be hosting the second TSL Conference this year, on the Arlington campus of George Mason University. We are looking forward to hosting several hundred members at the conference May 27-May 29, 2020 (make sure to mark your calendar). I'm particularly excited for the dinner at the National Press Club that students will also attend. A special shout-out to Barry Thomas for not only serving as the general chair for the conference, but also securing financial support for 30 PhD students to attend the conference. And thanks to the National Science Foundation for providing this support.

The TSL Cluster Chair for INFORMS, Joseph Chow, will be sending out a call for abstracts for

INFORMS 2020 before you know it. The 2020 INFORMS Annual Meeting will be held at the Gaylord National Resort and Convention Center in National Harbor, Maryland November 8-11, 2020. We are already discussing prize



committees and potential new prizes to be given out at our business meeting. This is always such a wonderful event for seeing old friends and making new ones in the community.

So, what's next? Despite the number of activities we are already doing, there is much more that we can accomplish. I would like to promote greater participation across our membership in the various activities of our organization. I also want TSL to offer our members more information about the different activities and opportunities that are going on and are of interest to our members. This could be through Twitter or other avenues.

I look forward to working with the TSL Board, SIG Chairs, International Liaisons, and our membership on these efforts over the coming year.

Ann

TSL at INFORMS Annual Meeting 2019

Seattle, Washington

The 2019 INFORMS Annual Meeting in Seattle, Washington, included 61 TSL sessions with 252 talks. Furthermore, it featured 15 cross-listed sessions with AAS and three special sessions. The most discussed topics included urban and freight transport and shared mobility systems.

Special thanks go out to the cluster chair Vikrant Vaze (Dartmouth College) as well to the SIG chairs and vice-chairs Justin Goodson (St. Louis University), Joseph Chow (New York University), Pratik J. Parikh (Wright State University), Larry Snyder (Lehigh University), Alireza Khani (University of Minnesota), and Andrew Churchill (Mosaic ATM, Inc.).

During the business meeting, we congratulated the new president Ann Campbell as well as Mike Hewitt as president elect. In addition, we welcomed all newly elected officers and Joseph Chow as cluster chair for the Annual Meeting 2020.

We looked back on a successful 2019 TSL Workshop in Vienna as organized by Carina Artner, Karl Dörner, Margaretha Gansterer, Richard F. Hartl and Rudolf Vetschera. The workshop on “Transportation in the Sharing Economy” drew 89 participants from 18 countries and will lead to a special issue in Transportation Science. In

addition, we looked forward to the TSL Conference 2020, which will take place in Arlington, VA, from May 27-29 2020.

For his outstanding contributions to diverse fields of transports and logistics, Bruce Golden received the Robert Herman Lifetime Achievement award.

The TSL dissertation prize was awarded to Sébastien Martin from Massachusetts Institute of Technology for his thesis on “The Edge of Large-Scale Optimization in Transportation and Machine Learning” as advised by Patrick Jaillet and Dimitris Bertsimas. An honorable mention went to Anirudh Subramanyam from Carnegie Mellon University for his thesis on “Robust Optimization of Vehicle Routing Problems Under Uncertainty” as advised by Chrysanthos E. Gounaris.

The TSL Best Paper Award 2019 selected the best paper in terms of originality, methodology, and practice from 26 candidates. The award went to to Long He, Ho-Yin Mak, Ying Rong, and Zuo-Jun Max Shen for their paper “Service Region Design for Urban Electric Vehicle Sharing Systems” as published in Manufacturing & Service Operations Management. An honorable mention was given to Okan Arslan, Ola Jabali, and Gilbert Laporte for their paper “Exact Solution



*Participants mingling at the TSL Business Meeting at INFORMS Annual Meeting 2019 in Seattle, Washington.
© Image: C. Cleophas*

of the Evasive Flow Capturing Problem” published in Operations Research.

Furthermore, the SIG UTP&M Outstanding Paper Award went to Longshen Sun, Mark Karwan, and Changyun Kwon for their paper on “Generalized Bounded Rationality and Robust Multicommodity Network Design” published in Operations Research. The SIG AT Outstanding Paper Award went to Alexandre Jacquillat and Vikrant Vaze for their Paper “Interairline Equity in Airport Scheduling Interventions” as published in Transportation Science.

The cross-regional grants of \$3,000 was awarded to Albert Schrottenboard and Michiel (A.J.) uit het Broek from University of Groningen (The Netherlands) for collaborating with Leandro Coelho and Jean-Francois Cordeau (Universe Laval and HEC, CIRRELT Canada) on Dynamic

Network Design for Urban Areas. The doctoral grant of \$3,000 was awarded to Wei Zhang from Hong Kong Polytechnic University to visit Alexandre Jacquillat and Kai Wang from MIT and work on The Dial-a-Ride Problem with Floating Targets.



*Bruce Golden at his TSL Plenary Talk
© Image: A. Ereira*

TSL Conference

Second Triennial Conference
Arlington, VA
May 27 – 29, 2020

**Early-Bird Registration Deadline:
April 1, 2020**

The Transportation Science and Logistics Society Conference has been created to provide an opportunity for all members to gather on a triennial basis to present and to discuss the **state-of-the-art in optimization applied to transportation science and logistics**. The conference will feature abstracts on all transportation science and logistics topics including but not limited to air transportation, facility logistics, freight transportation and logistics, intelligent transportation systems, and urban transportation planning and modeling. Presentations will explore new problems or address major societal challenges such as aging, equity, and the environment.

PhD Student Travel Support. The United States National Science Foundation has granted the conference 30 \$1000 scholarships to support the travel of PhD students currently studying at US universities. Application details can be found at <https://connect.informs.org/tsl/tslresources/tsl-conf-travel-grant>.

Program. The conference will be organized around a small number of parallel tracks. The conference will also include plenaries and sessions designed specifically for PhD students.

Social Agenda. In addition to a broad look at the future of transportation, this workshop will provide numerous opportunities to network with colleagues and establish new working relationships. There will be a welcome reception on Tuesday evening. On Thursday evening, we will adjourn for dinner at the National Press Club.

Venue. The conference will be held on the Arlington Campus of George Mason University at the Antonin Scalia Law School. The Arlington Campus is within walking distance of the Virginia Square-GMU Metro station on the Orange Line.

Organizing Committee:

- *Barry Thomas, General Chair – University of Iowa*
- *Elise Miller-Hooks, Local Chair – George Mason*
- *Ann Campbell, TSL President – University of Iowa*
- *Jean-Francois Cordeau – HEC Montreal*
- *Alan Erera, TSL Past-President – Georgia Tech*
- *Carolina Osorio – MIT*
- *Tom Van Woensel – TU Eindhoven*



Call for Applications

PhD Student Travel Grant
INFORMS Transportation and
Logistics Society
Second Triennial Conference
Arlington, VA
May 27 – 29, 2020

Deadline: February 14, 2020

The Transportation Science and Logistics Society Conference provides an opportunity for all members to gather on a triennial basis to present and to discuss the **state-of-the-art in optimization applied to transportation science and logistics**. To make the conference more accessible to the next generation of transportation science and logistics researchers, the US National Science Foundation has graciously agreed to sponsor travel grants of up to \$1,000 for 30 students to the TSL Conference 2020.

What It Covers:

The travel grants can be used for all travel expenses including airfare, ground transportation, hotel, and food. The grant does not cover conference registration. However, the TSL Board has agreed to support PhD student registration, and early-bird student registration is only \$100.

Eligibility:

Because this award is sponsored by the US National Science Foundation, only PhD students from North American universities are eligible for the travel grant. You do not need to be presenting at the conference to be eligible for an award.

To Apply:

To apply, send

- A cover letter indicating how they will benefit from the conference and from the travel funds,
- a CV, and
- your conference abstract if you submitted

to Barry Thomas at barrett-thomas@uiowa.edu. Use the subject "TSL Conference 2020 PhD Student Travel Grant Application."

Application Evaluation:

Applications will be reviewed by the Organizing Committee. Reviewers will rate each application based on the perceived benefit the applicant will receive from attending the conference and the applicant's access to conferences and workshops in general. Applicants should address these criteria in their cover letters. Preference will be given to students whose abstracts are chosen for the conference. Preference will also be given to PhD students who are entering the last year of their programs.

Dates of Interest:

- Application submission deadline: 2/14/2020
- Notification of award: 3/1/2020
- Deadline for early registration: 4/1/2020
- Conference: 5/27/2020-5/29/2020

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 2020 conference (Hamburg, June 15-17, 2020).

Eligibility of applications: The VeRoLog DDP 2020 jury will only consider PhD theses in Operational Research defended between 1 January 2019 and 31 December 2019. 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, Prof. Juan José Salazar González (jjsalaza@ull.edu.es), 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:

- Juan José Salazar González, Universidad de la Laguna, Spain (chair)
- Karl Doerner, Universität Wien, Austria
- Fabien Lehuédé, IMT-Atlantique, LS2N, Nantes, France

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, 2020**.

News and Notes**Catherine Cleophas**

Five CUTC student awards were announced in December 2019. Out of 62 submissions, the winners are: Parker P&P: Melissa Sather, UCLA; Pikarsky MS: Pragn 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. Congratulations!

Dr. Carlos Daganzo (UC Berkeley) and **Dr. Yanfeng Ouyang** (University of Illinois) recently published a textbook on public transportation: Daganzo, C.F. and Ouyang, Y. *Public Transportation Systems: Principles of System Design, Operations Planning and Real-Time Control*. World Scientific Publishing Company, 2019.

Harilaos N. Psaraftis received the Maritime Economics and Logistics Palgrave MacMillan-Springer Best Conference Paper Award at the IAME 2019 conference in Athens, Greece for

the paper "Speed optimization vs speed reduction: are speed limits better than a bunker levy?". IAME stands for the International Association of Maritime Economists. The paper appeared in the December 2019 issue of *Maritime Economics and Logistics*. The purpose of the paper was to shed some light into the speed limit debate, and specifically whether reducing speed by imposing a speed limit is better than doing the same by imposing a bunker levy. The debate is relevant at the International Maritime Organization (IMO), in the quest to reduce greenhouse gas (GHG) emissions from ships. The main result of the paper was that the speed limit option exhibits a number of deficiencies as an instrument to reduce GHG emissions, at least vis-à-vis the bunker levy option.

About Us

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[Qing He](#) (C), [Terry Yang](#) (VC)
[Andrew Churchill](#) (C), [Lavanya Marla](#) (VC)

International Liaisons

Europe and Africa
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 Asia, Australia, and New Zealand

[Margaretha Gansterer](#)
[Mathias Klapp](#)
[Yong Wu](#)



To suggest items for future newsletters,
 contact
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 or Jan Fabian Ehmke at jan.ehmke@ovgu.de.



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