



Transportation Science and Logistics Society

From the President, Elise Miller-Hooks

This year, the TSL Board is working on several new initiatives, including: TSL poster sessions, the TSL Annual Workshop, and potential presentations by our best paper awardees. For the first time, TSL has invited its members to consider participating in Interactive Sessions (i.e. poster sessions). In suggesting the poster sessions as an option, many strong and diverse opinions have been expressed. Some of us dread the thought of developing a poster and dragging it on a plane. We worry that we'll soon long for the days when people could talk about their work in a seminar-like setting. Others of us embrace the idea of interacting one-on-one with passersby and choosing which studies to stop and listen to. Give it a try this year – check out our poster pioneers' presentations and let us know what you think?

In the Summer of 2011, Mike Ball, Michael Florian, and Toi Longphongpanich organized the first TSL Workshop in Asilomar, California. The workshop was titled, "Congestion Management of Transportation Systems on the Ground and in the Air." What topic should be the focus of our next workshop? Vehicle routing? Energy and Transportation? Sustainability? Traffic modeling? Green logistics? Disaster preparedness? Planning for and responding to disruptions? Do you have thoughts on this but want help finding others to co-lead? Then, put it out to our listserve or let the Board help you. We look forward to receiving your submissions for a future (2013?) TSL Workshop.

The first TSL (or TSS) Best Paper Award was given a decade ago. This year the Board has charged the TSL Best Paper Award Committee with considering a related session of talks. There are many directions in which this might go, but the idea is to give us an opportunity to learn more about these exceptional papers and share them with the wider INFORMS community. Check out the Phoenix program to see how this works out. If not by Phoenix, perhaps Minneapolis in 2013!

From Minneapolis to Rome in 2013: our society will be participating in the INFORMS International-Euro Conference. More information to be shared in coming months.

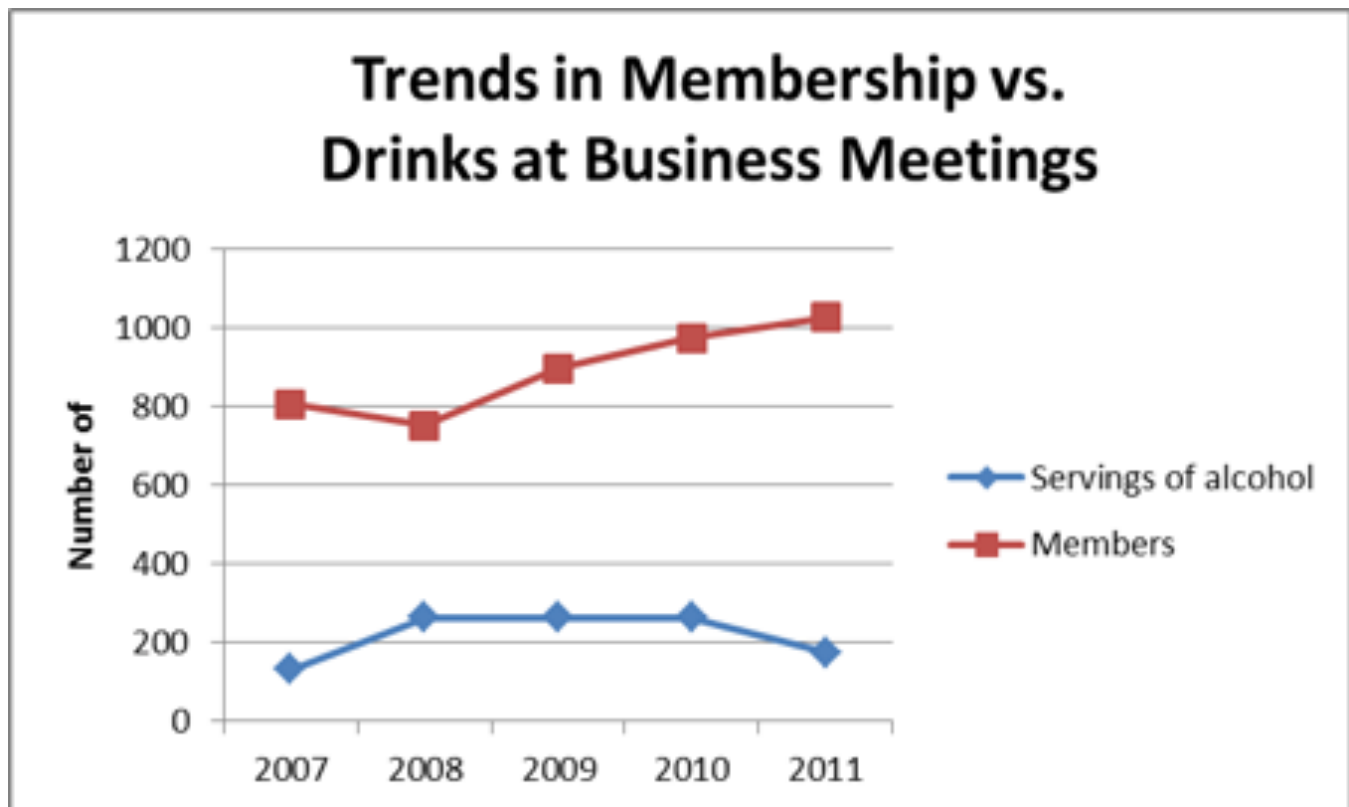
Not long ago (only Fall 2006), former TSL President, Martin Savelsburgh, wrote to us about the first year of our Society's existence stating, "With membership growth of the Society, increasing submissions to *Transportation Science*, over 50 TSL-sponsored sessions at the Annual INFORMS Conference and more than 100 people attending the TSL business meeting in Pittsburgh, the Transportation Science and Logistics Society is off to a great start." So I wondered, how does our society fair given this high bar from which we started? Has our

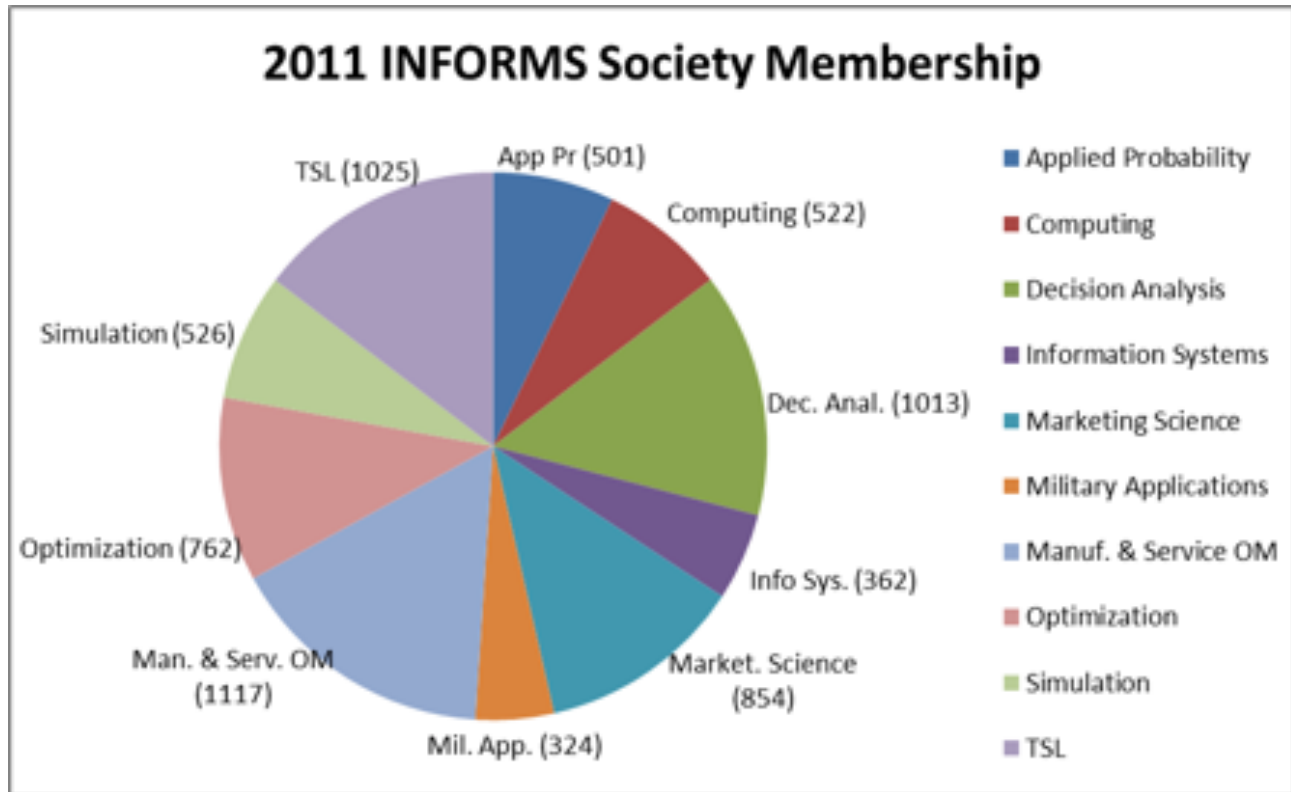
membership continued to grow? Have submissions to *Transportation Science* increased? Do we continue to present our work at TSL-sponsored sessions? With how many people did we share wine and cheese at our TSL business meeting in Charlotte? Better yet, how many more bottles of wine did we drink at the 2011 business meeting compared with 2006?!

And, here's what I found... At the end of 2011, TSL sponsored 48 sessions (not our high, but undoubtedly a strong showing!). We were second to only the Manufacturing and Service (OM) Society in terms of membership, which increased by 30% since 2006 (see figures).

Transportation Science continues to be one of the most respected journals in our field. And, although we didn't count, well over 100, perhaps even over 200, people attended our 2011 Business Meeting in Charlotte. The most surprising finding is that our wine and beer offerings at our business meetings did not keep up with our increases in membership (see figure).

Perhaps Patrick thought we ought to buckle down and work harder at our meetings. Despite this short-term reduction in supplies, these measures clearly show that our society remains vibrant and healthy. We not only work hard but, as the figure suggests, we have fun while we do it. Let's toast to that at the 2012 Business Meeting in Phoenix!





In Memoriam of Alberto Caprara

On April 21, 2012, our colleague and very dear friend Alberto Caprara unexpectedly and immaturely passed away in a mountaineering accident at Corno alle Scale (a Apennine mountain close to Bologna).

Born in Ivrea (Italy) on January 9, 1968, Alberto earned his M.S. degree “cum laude” in Electronic Engineering in 1991 from the University of Bologna,



and received his Ph.D. degree in “Control System Engineering and Operational Research” in 1996 from the University of Bologna.

Alberto spent his academic and scientific career in the Operations Research group of the Department of Electronics, Computer Science and Systems (DEIS), Faculty of Engineering of the University of Bologna. He was an assistant professor from 1996 to 2001, and an associate professor from 2001 to 2005. In 2005 he became a full professor.

Alberto’s 100 scientific papers (many of which published in “Operations Research”, “INFORMS Journal on Computing”, “Mathematics of Operations Research”, Mathematical Programming”) concerned the design, implementation and analysis of exact and approximate algorithms for the solution of Combinatorial Optimization problems, and their application to real-world Transportation, Logistics, Computational Biology, Railway Optimization problems. His research activity included the following problems: Crew Scheduling and Rostering in railway companies, Set Covering, Train Timetabling, Chvatal-Gomory cuts, Train Platforming, Sorting by Reversals, Knapsack and Bin Packing, Sequence Alignment, Packing of Cycles and Cuts in undirected graphs, Train Unit Assignment, Robust Optimization.

Alberto was awarded the following prizes:

- in 1992 the “Francini” prize of AEI (Italian Electrical and Electronic Society) for the best Italian M.S. Dissertation in Electronic Engineering;
- in 1997 the “George B. Dantzig Dissertation Award” of INFORMS for the best Ph.D. Dissertation on Operations Research applications;
- in 2000 the “1999 Best Paper Award” of the “Journal of Combinatorial Optimization”.

Alberto was member of the Editorial Boards of the journals “Operations Research”, “Mathematical Programming C”, “Operations Research Letters”, and Co-Editor of “Optima” (the Newsletter of the Mathematical Programming Society) from 2002 to 2010. He delivered several plenary lectures at international conferences, and acted as Program Chairman of the Workshop ATMOS 2011 (Algorithmic Approaches for Transportation Modeling, Optimization, and Systems).

Alberto was an unassuming, hard-working man and dedicated scientist, whose exceptional career touched many of our lives. He is widely recognized for high professional, ethical, and scientific standards that have inspired all who had contact with him.

Alberto always wished to tackle the most difficult problems (both in research and sport), and performed all his activities with enthusiasm and passion.

I wish to conclude by citing the sentences of Michela Milano (Associate Editor of INFORMS Journal on Computing) “We are all really sad and astonished. Not only was Alberto a colleague and a friend, but he was one of the smartest minds in the field of O.R.”, and of our President Elise Miller-Hooks “Alberto was an incredible warm, bright (in every sense) and enthusiastic person. We will miss him”.

- Paolo Toth



Odysseus 2012

ODYSSEUS is a triennial series of international workshops and provides a high quality forum for recent developments, trends and advances in the theory, practice and application of mathematical models and optimization methodologies in the field of Freight Transportation and Logistics. This year's ODYSSEUS was held in Mykonos island, Greece from May 21 to 25 2012 and brought together more than 200 academics, researchers and practitioners from more than 30 countries. There were more than 140 presentations scheduled over a total of 47 sessions while three sessions were running in parallel at all times. The program covered a wide range of topics. In general terms, ODYSSEUS 2012 featured sessions on various facets of Routing (e.g., Vehicle Routing, Arc Routing, Inventory Routing, Location-Routing, Dynamic Routing, Stochastic Routing), sessions addressing aspects in Logistics (e.g., Supply Chain Logistics, Emergency Logistics, Packing Logistics, Humanitarian Logistics), sessions on Transportation Networks (e.g., Freight Transportation Networks, Network Design and Planning), as well as several sessions of more specialized interest (e.g., Transportation Risk, Production–Distribution). In connection with the activities of ODYSSEUS 2012, two special issues have already been announced for *Transportation Science* and *Networks* respectively.

- Christos Tarantilis





5th International Workshop on Freight Transportation and Logistics



May 21 - 25
Mykonos, Greece



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JUNE 9TH - 14TH, 2013

TRISTAN VIII

SAN PEDRO DE ATACAMA, CHILE

Eighth Triennial Symposium on TRANSPORTATION ANALYSIS

The Complex Engineering Systems Institute (ISCI) would like to invite you to submit an extended abstract to the Eighth Triennial Symposium on Transportation Analysis (TRISTAN).

Presentation

TRISTAN is an international scientific conference that provides a high quality forum for the presentation of mathematical models, methodologies and computational results, and for the exchange of ideas and scientific discussions on advanced applications and technologies in transportation.

The seven previous conferences took place in Montréal (Canada, 1991), Capri (Italy, 1994), San Juan (Puerto Rico, 1998), San Miguel (Azores Islands, 2001), Le Gosier (Guadeloupe, 2004), Phuket (Thailand, 2007) and Tromsø (Norway, 2010). The chosen location for TRISTAN VIII is San Pedro de Atacama, Chile. As in all previous meetings, we expect to gather top research scientists from universities and research institutes from all over the world along with scientific participants from private sectors, public agencies, and graduate students. This time, the discussions regarding state of the art methodological as well as practical issues will take place in the middle of the amazing landscapes of one of the recognized most beautiful places on earth, an island of civilization in the middle of the desert!

The conference will be held June 9 to 14, 2013, at the Kunza Hotel & Spa (www.hotelkunza.cl) in San Pedro de Atacama. Information about registration, airfares, accessibility, accommodation in San Pedro, etc., will be published soon on the official web site of the Conference, still under construction (www.tristan.cl).

Scope and Topics

The scope of the conference is wide and comes from different areas of interest within Transportation Science and Operations Research; among the most relevant ones, we can mention location and network design, vehicle routing, inventory routing, transit system planning, vehicle scheduling, railway transportation, marine transportation, freight planning, traffic control strategies, fleet management, crew scheduling, supply chain, real-time operations, travel demand models.

EXECUTIVE COMMITTEE

Cristián E. Cortés (Chair),
Universidad de Chile
Michel Gendreau,
*CIRRELT and MAGI,
École Polytechnique de Montréal*
Pablo A. Rey,
Universidad Diego Portales
Doris Sáez,
Universidad de Chile

INTERNATIONAL SCIENTIFIC COMMITTEE

To be announced

LOCAL ORGANIZING COMMITTEE

Andrés Weintraub, *Universidad de Chile*
Fernando Ordóñez, *Universidad de Chile*
Francisco Martínez, *Universidad de Chile*
Juan Carlos Muñoz, *P. Universidad Católica de Chile*
Ricardo Giesen, *P. Universidad Católica de Chile*
Vladimir Marianov, *P. Universidad Católica de Chile*



Structure of the Conference

As traditional in TRISTAN meetings, we plan to have a strong series of plenary presentations and parallel tracks. The structure of the conference is meant to facilitate discussion, analysis and networking among the invited speakers, attendees, and students.

IMPORTANT DATES & INFORMATION

- Extended abstract submission open: **July 2nd, 2012**
- Deadline for extended abstract submission: **September 28th, 2012**
- Notification of acceptance: **January 31st, 2013**
- Deadline for early registration: **April 16th, 2013**
- Deadline for submission of revised extended abstracts: **May 21st, 2013**
- Conference: **June 9th-14th, 2013**
- Venue: **Kunza Hotel & Spa (www.hotelkunza.cl)**

Templates for extended abstract in MS Word and LaTeX formats will be available on the web site of the conference. The intended length is 3-4 pages for the extended abstract, with 4 as a maximum. In order to be included in the final program, one of the authors must register to the conference, and do so before the early registration deadline April 16, 2013. Please note that each registered participant is allowed to present at most one paper during the conference.

About

San Pedro de Atacama



San Pedro de Atacama is located east of city of Antofagasta, some 106 km (60 mi) southeast of Calama and the Chuquibambilla copper mine, overlooking the Licancabur volcano. The quaint adobe town of San Pedro sits in an oasis on the northern edge of the world's driest desert. An important center of commerce for the Incas, and later, Spanish conquerors, it now hosts visitors from around the world attracted to its archeological and natural wonders. It features a significant archeological museum, with a large collection of relics and artifacts from the region.

Native ruins nearby now attract increasing numbers of tourists interested in learning about pre-Columbian cultures. Tourists can also enjoy other popular activities including sandboarding and stargazing, with the views of the stars from the Atacama unrivalled across the continent. Flanked by the Andes mountains, volcanoes, salt beds, desert, the zone offer multiple and astonishing spots for the tourists to visit: Moon Valley, the Tatio Geysers, Los Flamencos National Reserve, most of them are part of most of the San Pedro de Atacama Tours.

The town has easy access (through a paved road) from the city of Calama, and a variety of hotels quite close to the Conference Official Hotel, in several ranges of price.



Organizer:



Sponsor Institutions:



Call for Submissions - George B. Dantzig Dissertation Award

The George B. Dantzig Award is given for the best dissertation in any area of operations research and the management sciences that is innovative and relevant to practice. This award has been established to encourage academic research that combines theory and practice and stimulates greater interaction between doctoral students (and their advisors) and the world of practice. The award is given at the 2012 INFORMS Annual Meeting.

All certificates read as follows (1st & 2nd Prizes): for the best dissertation that is innovative and relevant to the practice of operations research and the management sciences.

Application Process

The George B. Dantzig Dissertation Award Committee is now accepting entries for the 2012 award. The award for the best OR/MS dissertation serves to promote greater interaction between academia and industry by encouraging researchers to conduct innovative research that is relevant to practice in any area of operations research and management science. The first and second place winners will receive awards of \$800 and \$400 respectively. Additional finalists will receive honorable mentions with \$100 awards. Prizes will be awarded at the INFORMS Annual Meeting.

Each entry must:

1. Consist of a doctoral dissertation written primarily by the entrant no more than 15 months prior to the submission deadline (completed between April 08, 2011 and July 08, 2012) and not previously submitted.
2. Present original ideas obtained predominantly by the entrant.
3. Clearly illustrate and demonstrate the relevance of the work in practice and the potential impact in industry.

Entrants should collect and submit the following items on or before July 08, 2012:

1. A letter of recommendation from the entrant's thesis advisor that describes the significance of the research and comments on the originality of the work.
2. A letter of recommendation from an industry associate that describes the relevance and the potential benefits of the research in their organization. This letter must be written by a manager familiar with the research who has served as an advisor to the research or as a coordinator to the on-site research project. The manager should be informed that they may be contacted by the committee members asking questions regarding the entrant's research.
3. A summary of the dissertation (less than 5 double-spaced pages) highlighting the significance of the problem, the novelty of the methodological approach, the contribution of the research to industry, and the scope of the dissertation.
4. A self-contained paper (less than 25 double-spaced pages) based on the thesis so that the award committee can evaluate the contribution of the work.

Entrants should send the above items in an email (subject line beginning with "Dantzig", and items as separate PDF files) to the Chair of the George B. Dantzig Dissertation Award.

Please see this page online for complete details:

<http://www.informs.org/Recognize-Excellence/INFORMS-Prizes-Awards/George-B.-Dantzig-Dissertation-Award/George-B.-Dantzig-Dissertation-Award-Application-Process>

2012 Committee Chair:

Aliza R. Heching
IBM TJ Watson Research Center
1101 Kitchawan Road
Route 134
Yorktown Heights, NY 10598 U.S.A.
email: ahechi@us.ibm.com

In addition, the signed originals of the letters of recommendation should be mailed, postmarked on or before July 8, to:

INFORMS

Attention: Courtney Biefeld
7240 Parkway Drive, Suite 300
Hanover, MD 21076 U.S.A.
voice: +1 800-446-3676
email: Courtney.Biefeld@informs.org

Transportation Science and Logistics Society (TSL) Best Paper

The TSL Best Paper Award is given once a year to an outstanding paper in the field of transportation science and logistics. The paper must have been published in a refereed journal and must present innovative approaches for solving complex problems in transportation and/or logistics, with an emphasis on operations research and quantitative methods. A paper is eligible if it is written in English and if it has been published within the last three (3) years prior to the submission deadline. All topics related to the field of transportation science and logistics will be considered, including, but not being limited to :

- airline operations;
- maritime operations;
- urban transportation;
- public transit;
- vehicle routing;
- freight;
- facility logistics;
- intelligent transportation systems.

Any author may submit only one of his/her eligible papers, although (s)he can be a co-author of another submitted paper. A paper is eligible for the competition if:

- its main topic is related to the field of transportation science,
- it is written in English, and
- it has been published, or appears in pre-print form online through the publishing agency, between **1 July 2009** and **30 June 2012**. In the case of papers that are only available in pre-print form online at the time of consideration, the online publication date must be easily verifiable.

The winning paper will be announced at the TSL business meeting to be held during the annual INFORMS meeting in Phoenix, Arizona, USA, 14-17 October 2012. The author(s) of the winning paper will share a prize of \$800, and each will receive a certificate.

To submit a paper for the 2012 competition, one of the authors must send the paper, along with a short letter (maximum 2 pages) describing the merits of the paper (both in electronic PDF format) to Luce Brotcorne at Luce.Brotcorne@inria.fr, Chair of the TSL Best Paper Award Committee, before July 2, 2012.

2012 Committee

Mike Ball

Michael G. H. Bell

Luce Brotcorne (Chair)

Ann M. Campbell

Alan Erera