



***METRANS on the Move:***  
**Our Weekly Newsletter for Students**



We hope you enjoy this issue of *METRANS on the Move*, transportation news by and for students. Please share this newsletter with your friends and colleagues, and if you are not a regular subscriber but would like to be, please contact Kaitlyn Zhang ([kenanzha@usc.edu](mailto:kenanzha@usc.edu)) so she can add you to the distribution list!

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**In the News**



## Students Tour Navy Ships

Fifty USC students toured Navy ships as part of METRANS' first field trip excursion of Fall 2016, boarding both the retired Battleship USS *Iowa* and the active USS *America* Museum during the annual LA Fleet Week event on the San Pedro waterfront on Saturday, September 3, 2016. Read more [here.](#)

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## THE MAN WHO REROUTES THE WORLD USING GEOMETRY

**METRANS Researcher John Gunnar Carlsson is Selected Brilliant 10 by Popular Science**

METRANS researcher, Professor John Gunnar Carlsson, was recently selected as one of *Popular Science* magazine's Brilliant 10 of 2016. Read more [here.](#)



## USC Students Join WTS Reception for Transit Leaders

On September 13, three USC students were sponsored to participate in the WTS Los Angeles Chapter reception honoring several national transit leaders. Read more [here.](#)

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## Federal Automated Vehicles Policy Issued This Week

The US Department of Transportation published the very first federal guidelines for driverless cars, in response to the impact on transportation from technology advancement. Read more [here](#).

## Featured Events & Opportunities

### METRANS Mentor Program Accepting Applications for Fall 2016

Are you a student interested in considering a career in transportation but find yourself unsure of how to begin? Or perhaps you are well on your way and just need some additional support? We have great news for you! We are pleased to announce that METRANS will continue our popular mentor program this fall and is now accepting applications!

Our program offers a connection between students and practitioners in diverse branches of the transportation including planning, logistics, policy, and more. For those interested in knowing more about the growing field of transportation, this mentor program will provide you with professional advice and practical career guidance to help you better understand these career options. **Read more and download the application [here](#).**

Those who wish to be involved with METRANS mentor program as either a mentee or mentor are encouraged to contact METRANS Assistant Director Victoria Deguzman at [victoriv@usc.edu](mailto:victoriv@usc.edu) or METRANS Student Mentor Program Coordinator, Shichun Hu at [shichunh@usc.edu](mailto:shichunh@usc.edu).

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### WTS-LA Boat Tour featuring the 2016 Directors at Large Thursday, September 29, 2016

Join WTS-LA, Port of Los Angeles and Port of Long Beach to network with the WTS-LA Directors at Large and prominent industry leaders during an evening boat cruise

through the ports! This is networking like no other with the proceeds going directly towards our 2016 Scholarships. WTS-LA, the Directors at Large and Ports know that scholarships are important as we look to the future of the transportation industry.

Read more [here](#).

**Location:**

Harbor Breeze Yacht Charters and Cruises  
100 Aquarium Way, Dock #2  
Long Beach, CA 90802

**Boarding:** 5:00-5:30pm

**Departure promptly at:** 5:30pm

**Tour Returns to Dock:** 7:30pm

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**Metro Seeks Sustainability Planning and Policy Intern**

Metro's Sustainability Planning and Policy group has a job opening for a paid intern. The anticipated hours for the position are 15 to 20 hours per week for a 6-month minimum commitment. This is a flexible position that combines professional responsibility and skill development with administrative and logistical assignments to support Metro's Countywide Sustainability Programs.

For more information and to submit an application, click [here](#).

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**METRANS INDUSTRY OUTLOOK 2016**

**I Want It Now: E-Commerce, Supply Chains and Transportation**  
**Tuesday, October 4, 2016, USC Doheny Memorial Library (DML) 240**  
**Reception: 5:30 pm – 6:30 pm / Presentation: 6:30 pm – 8:00 pm**



**Featuring Benjamin D. Conwell, Senior Managing Director, Cushman & Wakefield**

The explosion of eCommerce is driving drastically changed customer expectations globally which, in turn, is causing some of the most significant disruption in retail, transportation and international trade we've seen in the last fifty years. Amazon's dominance and pace of innovation increasingly demand players aspiring to succeed in the new world order constantly reinvent the way they operate. Players in this space have little choice. And little time.

**RSVP TO Nicole Guo at [haichaog@usc.edu](mailto:haichaog@usc.edu) with name & major or simply use [this link](#).**

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**2016 WTS Los Angeles College Scholarship  
Applications Due October 4th**

The Los Angeles chapter of Women's Transportation Seminar (WTS) is pleased to announce that the 2016 College Scholarship program is currently accepting applications. These scholarships are available to women studying a transportation/planning/engineering related field and who either attend school in or reside in Los Angeles County. Scholarship amounts range from \$2,000 to \$6,000 each with scholarships available for both graduate and undergraduate students.

WTS-LA would appreciate your assistance in spreading the word about our

scholarship opportunities to your student body. The announcement and applications are attached. Information can also be found on our website at: <http://www.wtsinternational.org/losangeles/scholarships/>

Please feel free to forward this email, post this announcement for students to see and otherwise encourage all eligible women to apply. Additional information and complete requirements are detailed on the application for each scholarship.

**For more information and to submit an application, click [here](#).**

## Upcoming Events & Opportunities



**U.S. Department of Transportation**  
Office of the Assistant Secretary for Research and Technology

### **T3 Webinar: Next Generation Traveler Information—Agency Social Media Wednesday, September 28, 2016 at 1:00 PM – 2:30 PM ET**

Social media, such as tools like Twitter and Facebook, allow targeted, real-time two-way communication among and between agencies, travelers, and third parties. However, many agencies employ social media as a customer networking resource but not as a major source of real-time information. The amount of information that can be generated, communicated, and processed in real time by these systems will significantly impact agencies operations in the future.

For more information and to register for the Webinar, click [here](#).

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### **Moving Los Angeles to the Future Thursday, September 29th, 11:45 AM – 4:20 PM**

The International Chinese Transportation Professionals Association, Southern California Chapter, invite you to join our half-day seminar for conversations with five great speakers from LA Metro and LAWA on Measure M, capital projects, Program/Construction Management, P3s, LRTP, active transportation, and innovative projects at airports.

*Featuring Distinguished Speakers:*



**Phillip A. Washington**  
Chief Executive Officer  
LA Metro

**Richard F. Clarke**  
Chief Program  
Management Officer  
LA Metro



**Therese McMillan**  
Chief Planning Officer  
LA Metro

**Joshua L. Schank**  
Chief Innovation Officer  
LA Metro



**Roger A. Johnson**  
Deputy Executive  
Director  
LAWA

Venue: Japanese American National Museum, Tateuchi Democracy Forum  
100 N Central Avenue, Los Angeles, CA 90012

**Students can register at a reduced rate at \$30.**

**For more information and to RSVP for the seminar, click [here](#).**

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**City of Rolling Hill Seeks Assistant Planner  
Applications Due September 29th**

Under general supervision of the Planning Director, the Assistant Planner assists with the City's daily planning operations in accordance with City's zoning, subdivision, and General Plan provisions; reviews and processes development plans for compliance with zoning requirements.

Applicant must possess a Bachelor's degree in Urban/Land Use Planning or related field and have minimum of 3 years responsible professional planning experience. Masters degree in Planning or closely related field and/or AICP Certification is highly desirable. Masters degree may be substituted for one year experience; internship may count towards experience. Within a few years there is a possibility for advancement to the Planning Director's position.

**For more information and to apply for the position, click [here](#).**

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**SCAG Seeks GIS/Data Intern**

## **Applications Due September 29th**

Under general supervision, the intern will perform a variety of administrative and technical duties in support of Research & Analysis Department of Land Use and Environmental Planning Division. This position will primarily assist in performing GIS programming and spatial analysis, mapping, and geoprocessing, conducting research and data analysis.

**For more information and to apply, click [here](#).**

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## **The Port of Long Beach Seeks Administrative Intern Applications Due September 30th**

The Port of Long Beach is seeking an **Administrative Intern in the Division of Transportation Planning** to assist with multi-modal transportation planning of roadway, bicycle and rail facilities within the Port. The selected intern also will assist with traffic management programs, data collection and visualization, preparation of transportation studies for environmental documents, transportation policy development, and grant management.

We welcome applications from graduate students majoring in Transportation Planning/Engineering, Urban and Regional Planning, Public Administration, Public Policy, Civil Engineering or other closely related field. Recent graduates within 12 months also are eligible to apply. This is a non-career position, limited to 20-29 hours per week, and is open for immediate hire.

**For more information and to apply, click [here](#).**

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## **2016 James A Ditch Education Fund Scholarships Applications Due September 30th**

Jim Ditch was a founding father of the SCRTTC. His passion for training and education was unprecedented. This Education Fund was established in honor of Jim and will provide much needed support to students who wish to pursue and/or



advance their career in public transportation.

This year, \$10,000 in scholarships will be awarded. All applications must be received by September 30<sup>th</sup>, 2016 to be considered. The awardees will be announced in November 2016 and presented at the [Jim Ditch Golf Classic](#) November 15<sup>th</sup>, 2016 to be held at Tilden Park Golf Course in Berkeley, CA in conjunction with the California Transit Association Annual Meeting, November 16<sup>th</sup> to 18<sup>th</sup>.

The application can be found on the website at [here](#).

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**The Council of University Transportation Centers (CUTC) 2016  
Student Awards  
Nominations Due September 30th**

Awards will be presented in the following categories:

- **Milton Pikarsky Memorial Awards:** These awards are given annually for the best Ph.D. dissertation and M.S. thesis in the field of science and technology in transportation studies.
- **Charley V. Wootan Memorial Awards:** These awards are given annually for the best Ph.D. dissertation and M.S. thesis in the field of policy and planning in transportation studies.
- **Neville A. Parker Awards:** These awards are presented each year to two transportation studies graduate students for outstanding non-thesis papers in the fields of science and technology, and policy and planning.

Dissertations, theses, and projects should have been submitted between October 1, 2015 and September 30, 2016. We look forward to another successful awards year.

**To find out more about the 2015-2016 CUTC Awards and how to submit your nomination, [click here](#).**

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**Eyestone Environmental Seeks Assistant Planner  
Applications Due October 1st**

Eyestone Environmental is an environmental consulting firm that specializes in the

preparation of environmental documentation as required by the California Environmental Quality Act.

We are recognized for preparing thorough environmental documents for high-profile development projects.

Eyestone is seeking entry level environmental planners. Coursework in environmental studies and excellent writing and analytical skills are required. Coursework in the California Environmental Quality Act (CEQA) is preferred.

To apply, please send cover letter and resume to **Tina Marie Martella, Office Manager** at [t.martella@eyestoneEIR.com](mailto:t.martella@eyestoneEIR.com) or feel free to mail your resume to the following address:

Eyestone Environmental  
Attn: Tina Marie Martella  
6701 Center Drive West, Suite 900  
Los Angeles, CA 90045

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## Airport Cooperative Research Program

### University Design Competition for Addressing Airport Needs

*2016 - 2017 Academic Year*

The Airport Cooperative Research Program (ACRP) is sponsoring a national competition for universities that engages students in addressing issues relating to airports and the National Airspace System. This Competition challenges individuals and teams of undergraduate and/or graduate students working with faculty advisors to consider innovative approaches related to these challenges. Submitters should design innovative solutions that focus on addressing airport issues and constraints that would enhance the management, safety, capacity, and efficiency of the nation's airports.

Competition goals:

1. Raise awareness of the benefits of the ACRP and the importance of airports and the FAA to the National Airspace System infrastructure.
2. Increase the involvement of the academic community in ACRP and addressing

- airport operations and infrastructure issues and needs.
3. Engage students at U.S. colleges and universities in the conceptualization of applications, systems, and equipment capable of addressing related challenges in a robust, reliable, and comprehensive manner.
  4. Encourage undergraduate and graduate students at U.S. colleges and universities to contribute innovative ideas and solutions to issues facing airports and the National Airspace System.
  5. Provide a framework and incentives for quality educational experiences for university students.
  6. Develop an awareness of and an interest in airports as vital and interesting areas for engineering and technology careers.

The Competition website is the participant's source for complete and up-to-date information: [vsgc.odu.edu/ACRPDesignCompetition](http://vsgc.odu.edu/ACRPDesignCompetition)

**For more information about the competition, click [here](#).**

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### **Volunteer at the Greenbuild Conference and Expo October 5th - 7th, 2016**

The Greenbuild International Conference and Expo, to be held October 5-7 at the Los Angeles Convention Center, is the premier event for sustainable building. This event features three exhilarating days of uplifting speakers, unmatched networking opportunities, showcases, LEED workshops, and tours of green buildings in Los Angeles. Greenbuild offers a place for thousands to gather and renew their commitment to the green movement. For more info on the event, click [here](#).

They are looking to recruit students and young professionals with backgrounds in Architecture, Civil/Structural Engineering, Mechanical Engineering, and Sustainability to help on various volunteer tasks at the event. Each volunteer will be appointed a task that will require a minimum of 8 hours and will receive a complimentary pass to the event (a \$600 value). It will be an exciting learning and networking opportunity for everyone interested in the future of sustainable building .

**For more information about apply to be a volunteer, click [here](#).**

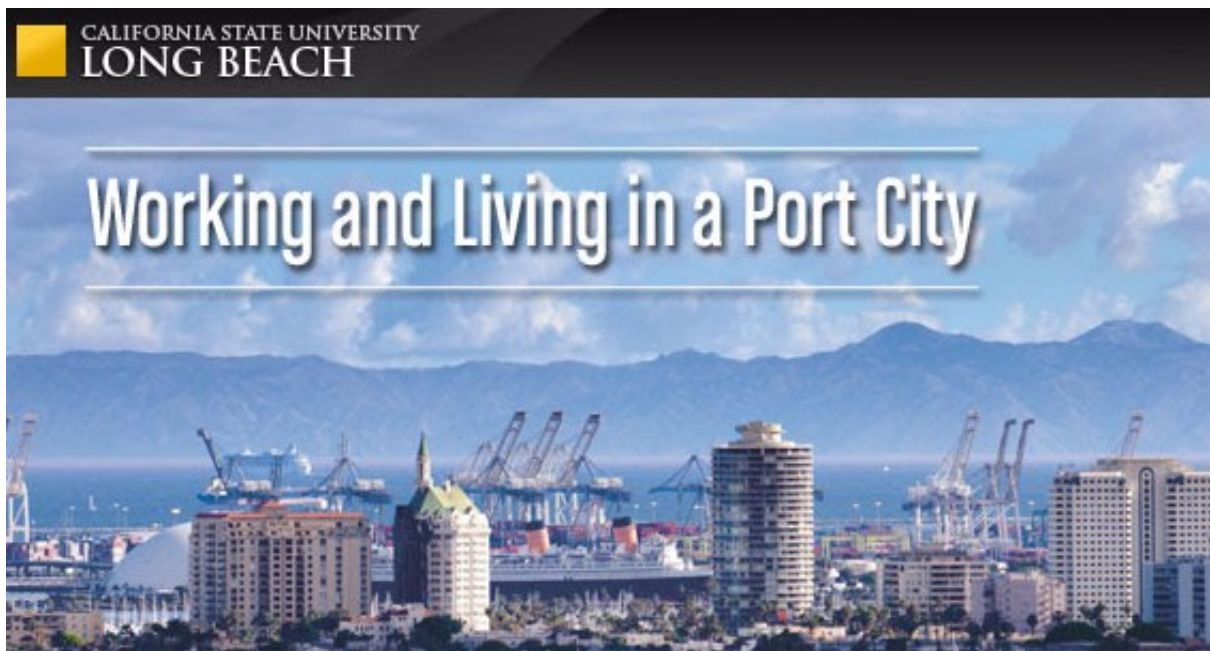
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**Webinar: Emerging Trends in Multimodal Data Collection**  
**Thursday, October 13th, 2016, 12pm and 3pm EST**

Cities are increasingly relying on traffic data to make informed decisions about their infrastructure. At the same time, different types and greater volumes of traffic data are being collected than ever before.

Miovision will be hosting a webinar on the globally emerging trends in multimodal data collection and how Miovision is innovating their products to meet market demand. Read more [here](#).

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**Working and Living in a Port City Seminar Series**  
**CSULB Main Campus, Foundation Building, 6:30 pm - 9:30 pm**

Learn about the ports and their impact on the community, international trade, and jobs. This seminar series is designed to provide participants with a broader perspective on the value of international trade to our communities. Read more [here](#).

**Seminar A:** Ports: Local Actors and Global Trade (October 13, 2016)

**Seminar B:** Ports: Gateway to International Trade (October 18, 2016)

**Seminar C: Careers: The Key to Success is an Educated and Skilled Workforce**  
(October 19, 2016)

[Register online](#) or call [\(562\) 985-2872](tel:5629852872) for more information. Get a discount by registering for all three seminars.

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**Volunteer at the American Planning Association State Conference in Pasadena**  
**October 22nd - 25th, 2016**

Have you always wanted to get involved in the American Planning Association but never knew how? The Los Angeles Section of the American Planning Association is hosting the 2016 California Planning Conference in Pasadena on October 22-25, 2016. Volunteering at the 2016 APA conference in Pasadena is your opportunity to rub shoulders with professional planners of all kinds working all throughout California and beyond!

**Don't delay! Sign up today to secure your spot volunteering at the conference and be a part of the magic! To sign up as a volunteer, click [here](#).**

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**2016 Mobility 21 Southern California Transportation Summit:**  
**Empowering California**  
**Friday, October 21st, 8 AM to 4 PM**

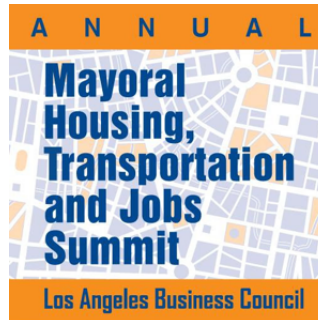


Mobility 21 is a coalition that brings together public, business, and community stakeholders to pursue regional solutions to the transportation challenges facing Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. A nonpartisan alliance, Mobility 21 delivers a unified voice for the region's transportation priorities and seeks to improve mobility in the region.

For more information, click [here](#).

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**2016 Mayoral Housing, Transportation and Jobs Summit**  
**Friday, October 28, 2016 | 7:00 AM to 2:00 PM PDT**



**Public Private Models for Infill Housing Development**

We will be discussing models for housing development in LA presented by leading private developers. Other topics will include insight on new financing models, maximizing tax credits and other resources, streamlining and reducing barriers to development, addressing homelessness and low-income housing, and maximizing the benefits of density.

**The Future of Transportation in Los Angeles**

Trends in transportation and technology; Measure M (Metro's Ballot Measure & Plan to Ease Traffic), Autonomous vehicles, transportation networking companies, electric vehicle technologies and investing in EV infrastructure to support LA's growing electric vehicle market; gaining jobs and environmental benefits by transforming our multi-modal transportation system. For more information, click [here](#).

The Summit has generously offered complimentary admission to students who volunteer at the conference and METTRANS will assist with coordinating transportation.

**Email Nicole (Haichao) Guo at [haichaog@usc.edu](mailto:haichaog@usc.edu) if you are interested in joining the conference as a volunteer.**

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**CDM Smith Seeks Environmental Planner  
Applications Due November 14th**

CDM Smith has an immediate opening in the Sacramento, CA office for an entry-level Environmental Planner. We are looking for a motivated individual to join our team of environmental planners and engineers in support of water resources, river restoration, and flood control planning and engineering projects. Many projects focus on California water resources, including water supplies and operation of State and Federal water projects. Individual will conduct impacts analyses on hydrology, water quality, biological resources, recreation, visual, and other environmental resources and write sections for CEQA/NEPA documents. Selected candidate will assist with strategic planning of water resources projects and assist in developing planning alternatives. Individual will support field activities and perform additional duties as required.

Responsibilities may include but are not limited to:

- Researching and writing sections for CEQA, NEPA, ESA, and planning documents, including environmental assessments, environmental impact statements, initial studies, and environmental impact reports
- Assisting in coordination with sub-consultants and project team members
- Assisting in research and coordination with regulatory agencies
- Assisting Project Manager with meeting summaries, budget and schedule tracking, and other project management tasks

**For more information and to submit an application, click [here](#).**

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**ASPA's SEIGOV (Section on Ethics and Integrity in Governance) INVITES  
SUBMISSIONS FOR ITS ANNUAL STUDENT PAPER COMPETITION  
Submissions Due December 15th**

Students in public affairs and public policy graduate programs are invited to submit their research papers authored in 2015 or 2016 on any public and administrative ethics topic, including corruption, integrity, social equity, corporate responsibility, and politics. Faculty members may also nominate student paper(s) for submission. Conference papers, term papers, and journal manuscripts are eligible for submission (literature reviews, case studies, and review essays are ineligible for entry). Please

note that only one submission per student is allowed, and the paper should be written entirely by the student and not co-authored. The paper should not exceed 20 pages in length, including citations and references, and should follow APA format.

Each paper will be peer-reviewed and judged for its quality, methodology, importance, and policy implications along with clarity in writing.

The winning submission will be awarded a prize of \$250 and the author will receive a certificate of recognition from SEIGOV at the 2017 ASPA Conference, and will be announced in media publications. The section will provide financial support for the winner to attend ASPA's national conference in Atlanta, GA, March 17 -21, 2017.

Papers (and questions regarding the competition) should be submitted to **Prof. Danny L. Balfour** at [balfourd@gvsu.edu](mailto:balfourd@gvsu.edu) as an e-mail attachment. Please use MSWord (.doc) or Rich Text Format (.rtf).

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### **Young Researchers Seminar 2017 - Call for Abstracts/Papers May 16th - 18th 2017 in Berlin, Germany**

Young Researchers Seminar is an event organized every two years in a different European country. The common vision for the Young Researchers Seminar is the preparation of a new generation of transport scientists and science-based professionals in the area of transport.

Young researchers are cordially invited to submit their abstracts. **The deadline for submitting abstracts to the YRS2017 is extended to September 30th.** They should preferably be postdoc (less than 5 years after PhD) and involved in one of the below-listed research domains:

- Transport economics, policy, and transport behavior
- Transport sustainability and environment
- Transport safety
- Intelligent transport systems (ITS) & traffic management
- Transport civil and road engineering

**For more information and to submit abstracts/papers, click [here](#).**



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