

# METRANS

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## Transportation Center

USC | CSULB

### *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. 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!

Victoria Deguzman  
Associate Director, Administration  
[victoriv@usc.edu](mailto:victoriv@usc.edu)

## In the News



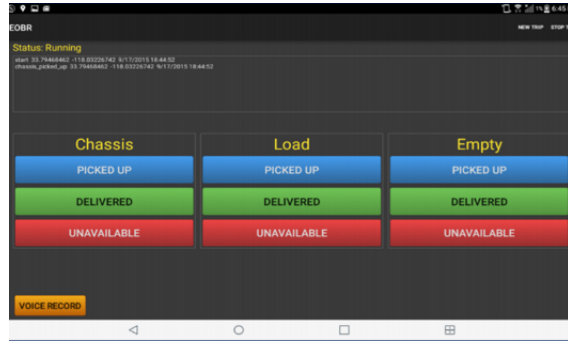
## USC Center Leads Multi-University Effort to Solve Transportation Issues

METRANS at USC has been selected to lead a multi-state effort to study and solve a range of transportation concerns, from issues with mobility to challenges that affect public access, under a new \$12.5 million grant awarded by the U.S. DOT. Read more [here](#).



### Management of Truck Chassis: 2016's Final METRANS Research Seminar

CSULB Professor Thomas O'Brien presented his work on the effective management of truck chassis, specifically highlighting lessons to be learnt from the "pool of pools" technique. Read more [here](#).



### CSULB's Research on Tracking Truck Flows for Drayage Efficiency Analysis

Two of the significant problems in the shipping industry in Southern California are congestion and pollution, caused in no small part by the growth of container volume at the Southern California Ports. Read more [here](#).



### Transport for London Looks to Data to Improve Services and Cut Congestion

Transport for London's latest five-year business plan has set out how it will make better use of data to make journeys easier, including a new open data partnership with Google.

## Upcoming Events & Opportunities

### **Metropolitan Transportation Commission Seeks Planner/Analyst Applications Due December 19th**

Under supervision the person in this position will support the asset management program, as well as the project-related database integration and analysis efforts.

The primary focus of the position will be on supporting the: Data integration, enhancement and maintenance to the existing Regional Transit Capital Inventory, (a comprehensive regional database of the transit assets that are owned by transit agencies in the San Francisco Bay Area), Implement the regional transit asset management systems in response to federal authorization, coordinate asset management activities with the transit operators, and perform other duties as may be assigned

Individual must have Completion of a bachelor's degree, and a minimum of one-year of recent (must be within the last three years), progressive and verifiable professional experience in transit, transportation planning, or information science. position. (A Master's degree and one year of graduate work in a discipline directly related to the position may be substituted for the required education & experience.) Additional professional work experience is preferred.

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

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### **Asakura Robinson Seeks Entry Level Urban Planner Applications Due December 23rd**

Asakura Robinson is seeking an entry level Urban Planner to join us in our Houston office. We are seeking a talented professional with a master's degree in Urban Planning or Design or a related field who is newly graduated or has under two years of experience as an urban planner. Candidates shall demonstrate a high level of technical, research, communication and design skill and experience participating in communities, working with multidisciplinary design or research teams and be driven

in their work and desire for advancement.

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

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## **Multiple Opportunities Available at Hyperloop One**

### **Business Analyst Intern**

Hyperloop One is seeking a Business Analyst Intern who is passionate about bringing the Hyperloop to market. We are looking for highly motivated candidates with entrepreneurial drive, intellectual curiosity, and analytical capabilities to support company initiatives and identify business risks and opportunities. The position requires strong organizational skills, ability to work collaboratively, and effective communication. The Business Analyst Intern will support transportation project evaluation tasks and business development activities, interface with employees across finance, business development, product / engineering, operations, and marketing teams on a range of topics to assess the commercial feasibility of the Hyperloop system. This role will perform a variety of business functions, including, but not limited to detailed market research, financial and business modeling, developing go-to-market strategies, and creating cleanly and succinctly synthesizing findings into presentation and marketing materials. **Read more [here](#).**

### **Non-Engineering Internship/Co-op Summer 2017**

Hyperloop One is reinventing transportation to eliminate barriers of time and distance by using Hyperloop transport to move cargo and passengers immediately, safely, efficiently, and sustainably. We seek future colleagues who are passionate about changing the world and have a rare mix of drive, curiosity, resourcefulness, intelligence and can thrive in a fast paced environment. **Read more [here](#).**

Hyperloop One also has multiple job postings open for applicants covering both engineering and non-engineering positions.

**Please check the [website](#) for more information.**

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**The Switzer Fellowship Program  
Applications Due January 9, 2017**

The Switzer Fellowship Program offers one-year Fellowships to highly talented graduate students in New England and California whose studies and career goals are directed toward environmental improvement and who clearly demonstrate leadership in their field. The Fellowship provides a \$15,000 cash award for academic study, leadership training, access to a vibrant network of nearly 600 Switzer Fellowship alums, and opportunities for professional development during the Fellowship year and beyond.

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

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**United States Department of Transportation  
2017 Summer Transportation  
Internship Program for Diverse Groups (STIPDG)  
Applications Due January 20, 2017**

The Summer Transportation Internship Program for Diverse Groups (STIPDG) provides a unique opportunity to gain valuable professional experience and skills that will complement your academic pursuits. This hands-on program is designed to mentor and cultivate tomorrow's leaders, strengthen their understanding of the transportation industry and prepare them for future public service opportunities.

The STIPDG is a paid internship program open to all qualified candidates without regard to their race, gender, color, religion, sexual orientation, national origin, age, physical or mental disability, veteran status, or any other characteristic prohibited by state or local law.

**Internship Period: June 5th - August 11th, 2017**

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

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**The San Francisco Municipal Transportation Agency (SFMTA)  
Student Intern Program is Accepting Applications for Summer 2017  
Applications Due February 15th, 2017**



SFMTA is considering candidates for the following groups and more:  
Traffic Operations, Traffic Routing, Livable Streets, Parking, Capital Finance, Communications, Transit Engineering, Transit Service Planning, Complete Streets Planning, Transportation Demand Management, Emergency Management, and Special Projects / Street Use.

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

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**TransportiCA Internships (Unpaid):  
Book Club and Career + Internship Directors**

TransportiCA has available two internships, beginning in January, lasting however long your schedule desires, or academic institution permits. We are looking for Book Club and Career and Internship Directors to handle TransportiCA's monthly Book Club and contest, as well as, oversee general posting and email communications for career and internship opportunities.

*Both positions are telecommuting - not requiring travel to TransportiCA's Sacramento headquarters, but do require participation in administrative webinars.*

**Book Club Director**

Oversees Book Club main page, email and twitter feed; assist with monthly selections in accordance to selection and editorial policy; direct Book Club communications and administrative efforts; as well as, maintain relationships with authors, publishers and related Book Club partners.

**Career & Internship Director**

Oversees career and internship main pages, email and twitter feed; assist with respective postings in accordance to selection and editorial policy; as well as, maintain relationships with varying career and internship partners and institutions.

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

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**APA Los Angeles Leadership Program**

The APA Los Angeles Leadership Program is a new professional development program created to help promising, career-oriented planners prepare for leadership

roles in their departments and organizations. Participants will meet together six times over six months with classes designed to help them improve their skills for positions of increasing responsibility while also growing their effectiveness in their current roles.

Program participants will gain knowledge and skills in leadership, organizational dynamics, communication, and career planning to help them identify and achieve their professional goals while equipping them with tools to make even stronger contributions to their organizations. Read more [here](#).

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### **City of South Gate Seeks Planning Intern**

This is an Unpaid Student Internship position that provides invaluable training and work experience that assists in preparing the Student Intern for a career in Planning.

The City of South Gate's Planning Division team with over 40 years of combined planning experience will work with the Student Intern to develop a program that is tailored to the individual's strengths and interests and fits within the team's current projects, programs and the work related needs of the Planning Division.

The ideal candidate has at least three years of college coursework, or an equivalent combination of education and experience in planning; and is currently enrolled or has recently graduated from an accredited college or university program to obtain an Associate Degree, Bachelor's Degree, or higher in Planning, GIS, or applicable field related to this Student Intern position, such as architecture, geography, or political science.

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

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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).

**Submissions are due on April 28th, 2017.**

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

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**CTF Scholarship Opportunities  
Bimla Rhinehart Memorial Scholarship  
Applications Due May 1st, 2017**

Eligibility Criteria: University Students Who will Be entering their senior year in the 2017 Summer or Fall terms and are enrolled in business, planning, engineering, or related major at a university in California intending to pursue a career in



transportation. Applicant must be a U.S. Citizen or a Registered International Student. Please find the application form [here](#).

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### **Los Angeles Metro Entry Level Trainee Program (ELTP)**

The ELTP program is designed to be an “entry-level career ladder program” for recent college graduates to gain work experience and the job skills needed to seek a full-time position within Metro or another company.

Establishes a pipeline for recent college graduates to gain entry-level or journey-level work experience as a Transportation Associate I. Recent college graduates will expose to work assignments, projects and technical skills related to their college degree.

This program intends to identify a “pool of proven performers” who are eligible to “fill new roles” that fit job skills developed over time within Metro or at another company.

Also, the ELTP offers recent college graduates an opportunity to become the next generation of Metro’s workforce.

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

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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](#).

## METRANS Student Newsletter Staff

Kaitlyn Zhang | Managing Editor and Publisher | [kenanzha@usc.edu](mailto:kenanzha@usc.edu)

Shichun Hu | Education Editor | [shichunh@usc.edu](mailto:shichunh@usc.edu)

Nicole Guo | Outreach Editor | [haichaog@usc.edu](mailto:haichaog@usc.edu)

Griffin Kantz | Research Editor | [kantz@usc.edu](mailto:kantz@usc.edu)

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**Our mailing address is:**

METRANS Transportation Center  
University of Southern California  
650 Childs Way, RGL 107  
Los Angeles, CA 90089-0626

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