# CSCRS Semi-Annual Progress ReportCovering 4/1/19-9/30/19

Provide updates on your CSCRS research projects using this format:

* [*Project XX*](https://www.roadsafety.unc.edu/research/projects/2017r2/) *[quick description from this page: https://www.roadsafety.unc.edu/research/projects/]*
	+ *PI: [name] / Co-Investigator(s): [names]*
	+ *1-2 sentence update*

Examples:

* [*Project R2*](https://www.roadsafety.unc.edu/research/projects/2017r2/) *developed a prototype tool for conducting a systemic safety analysis for a scalable area.*
	+ *PI: Offer Grembek, UCB / Co-Investigator: Libby Thomas, UNC HSRC*
	+ *Project completed; final deliverables to be posted online. A journal paper about the findings is being developed.*
* [*Project R3*](https://www.roadsafety.unc.edu/research/projects/2017r3/) *entails a two-part review of Safe Systems literature to develop a single, working definition of the concept.*
	+ *PI: Eric Dumbaugh, Florida Atlantic University (FAU) / Co-Investigator: Wes Kumfer, HSRC*
	+ *To be completed Oct. 31, 2018. Findings to date include details of U.S. applications of the Safe Systems concept, a model for integrating Safe Systems into practice, and a review of how Safe Systems has been developed by other countries.*

List presentations made to disseminate CSCRS-funded research findings; include numbers of participants where appropriate:

List college courses conducted during this reporting period that incorporate CSCRS concepts, following the format of the examples shown below; include numbers of participants where appropriate:

Examples:

* *UCB Fall 2018 graduate course* [*Injury Prevention and Control*](https://safetrec.berkeley.edu/education/injury-prevention-and-control)*. Instructors: Prof. David Ragland, and Dr. Glenn Shor. 6 students participated.*
* *UNC IPRC Spring 2018 graduate course* [*Injury as a Public Health Problem*](https://sph.unc.edu/files/2015/01/EPID625_Syllabus_Injury_as_a_public_health_problem_2.pdf)*. Instructor: Steve Marshall.*
* *UTK’s Civil & Environmental Engineering faculty offered 10 transportation courses during Spring and Fall 2018 covering engineering, geometric design, planning, safety, ITS, and systems analysis.*

List student engagement activities including research assistantships, fellowships, awards and more. Also, include activities involving K-12 students; include numbers of participants where appropriate:

Examples:

|  |  |
| --- | --- |
| UCB | UCB awarded 8 graduate students CSCRS Road Safety Graduate Student Fellowships, providing the opportunity to generate high quality CSCRS research pertaining to road safety topics.  |
| Two UCB master’s student research assistants worked on CSCRS-related projects. * Sarah Doggett worked on the “Linking Crash and Post-Crash Data” research project and is studying how to merge crash and medical files for transportation safety research and how Emergency Medical Services response times vary throughout California.
* Joy Pasquet worked on “Strategies for reducing pedestrian and bicyclist injury at the corridor level.” The objective of the project is to conduct a systemic safety analysis for the Caltrans network on bicycle-involved collisions.
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| Duke | 12 students were involved in conducting the pedestrian experiment and summarizing and performing preliminary analysis on data.  |
| One doctoral student is doing a literature review to identify an autonomous vehicles dispatch center. |

List training and professional development activities during this reporting period; include numbers of participants where appropriate:

List all activity expected to take place during the NEXT SAPR reporting period (10/1/19-3/31/20) related to:

* Research
* Education
* Professional development

Use the examples above for formatting.

Have any new partners in addition to the ones listed below? List them here, and indicate what kind of support they provide:

### **Foundation**

* John D. and Catherine T. MacArthur Foundation, Chicago, Ill. (Financial Support)

### **Local Government**

* Town of Chapel Hill Staff, Chapel Hill, N.C. (Collaborative Support)

### **Other Non-Profits**

* America Walks, Portland, Ore. (Collaborative Support)
* American Planning Association, Chicago, Ill, and Washington, D.C. (Collaborative Support)
* American Public Health Association, Washington, D.C. (Collaborative Support)
* Association of Pedestrian and Bicycle Professionals, Lexington, KY (Collaborative Support)
* Broward Metropolitan Planning Organization, Fort Lauderdale, Fla. (Collaborative Support)
* Institute of Transportation Engineers, Washington, DC (Collaborative Support)
* Miami-Dade Transportation Planning Organization, Miami, FL (Collaborative Support)
* Mobility Lab, Arlington, VA (Collaborative Support)
* National Association of City Transportation Officials, New York, NY (Collaborative Support)
* National Cooperative Highway Research Program, Washington, DC (Financial Support)
* National Local Technical Assistance Program Association, U.S. (Collaborative Support)
* North Carolina Center for Automotive Research, Garysburg, NC (Collaborative Support)
* Palm Beach Transportation Planning Agency, West Palm Beach, FL (Collaborative Support)
* Palm Beach Planning Congress, Palm Beach, FL (Collaborative Support)
* Transportation Research Board Standing Committee on Pedestrians, Washington, DC (Collaborative Support)
* Vision Zero Network, San Francisco, CA (Collaborative Support)
* WTS International, Washington, DC (Collaborative Support)

### **School District**

* Knox County School District, Knoxville, TN (Collaborative Support)

### **State Government**

* North Carolina Department of Transportation, Raleigh, NC (Financial Support
* North Carolina Governor’s Highway Safety Program, Raleigh, NC (Collaborative and Financial Support)
* Tennessee Department of Transportation, Nashville, TN (Matching Request & Data)
* Tennessee Dept. of Safety & Homeland Security, Nashville, TN (Data Request)
* Tennessee Department of Health, Nashville, TN (Data Request)
* Tennessee Technology Access Program, Nashville, TN (Collaborative Support)

### **U.S. Agency**

* National Science Foundation, Washington, DC (Sponsor of Projects)
* Centers for Disease Control and Prevention, Atlanta, GA (Collaborative Support)

### **U.S. Facility**

* Oak Ridge National Laboratory, Oak Ridge, TN (Collaborative Support)

### **U.S. Government**

* U.S. Dept. of Energy, Washington, DC (Sponsor of Projects)
* U.S. Dept. of Transportation, Washington, DC (Sponsor of Projects & Collaborative Support)

### **University**

* Duke Initiative for Science & Society Science Policy Tracking Program, Durham, NC (Financial Support)
* East Tennessee State University (Collaborative Support)
* Planning Society @ FAU, Boca Raton, FL (Collaborative Support)
* Renaissance Computing Institute, Chapel Hill, NC (Collaborative Support)
* University of Tennessee Chattanooga (Collaborative Support)
* Various Jiaotong Universities in China (Collaborative Support)

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List all publications, presentations and under-review articles using APA citation style: <https://owl.english.purdue.edu/owl/resource/560/08/>:

Examples:

Clamann, M. (2019, January). Guest lecture: *Autonomous vehicles: Technology and policy, law of emerging policies*, UNC School of Law.

Clamann, M. and Pullen-Seufert, N. (2019, January). *Automated vehicles and safety around schools*. [Presentation]. TRB School Transportation Subcommittee.

List other outputs and products:

* Policy Papers
* Websites, other internet sites
* New methodologies, technologies or techniques
* Inventions, patent applications, and/or licenses
* Additional products/outputs (e.g., data or databases, physical collections, audio or video products, application software or NetWare, analytical models, educational aids, courses or curricula, instruments, equipment, or research material)

Include any additional information you think should be included:

An important goal of this report is demonstrating the Outcomes and Impacts of the CSCRS. Please provide any examples that demonstrate either an Outcome or Impact of efforts (different from Products or Ouputs). If you are not sure, include it anyway, and we will work to determine what should be included and falls under each category (please reference the [Tech Transfer Plan](https://www.roadsafety.unc.edu/wp-content/uploads/2019/02/CSCRS_T2Plan_Revision_12.20.18.docx) for additional context):