



## Center for Advanced Multimodal Mobility Solutions and Education

### **CAMMSE Call for Research Proposals for 2022 Year 6**

Due date: Friday, July 9, 2021

Center for Advanced Multimodal Mobility Solutions and Education (CAMMSE) at The University of North Carolina at Charlotte (UNC Charlotte) is now soliciting project ideas from researchers at all consortium members. In general, CAMMSE research projects can be funded for *up to* \$60K of federal funds, require a no less than 50% non-federal match, and will be solicited based on continuing the CAMMSE theme of addressing the FAST Act research priority area of “Improving Mobility of People and Goods” by conducting multi-disciplinary, multi-modal research, education and workforce development, and technology transfer. In particular, the following research thrusts need be established to maximize synergy and adaptability across multiple modes and jurisdictions:

- Increase access to opportunities that promote equity in connecting regions and communities, including urban and rural communities;
- Generate innovations in multi-modal planning and modeling for high-growth regions;
- Develop data modeling and analytical tools to optimize passenger and freight movements;
- Innovations to improve multi-modal connections, system integration and security; and
- Smart Cities.

All research proposals need to be sent to Wei Fan ([wfan7@uncc.edu](mailto:wfan7@uncc.edu)) by 4:00 PM on Friday, **July 9, 2021**. Funding for the project is anticipated around **October 1, 2021**.

CAMMSE encourages all researchers who have received, or not previously received, UTC funds, to submit proposals as CAMMSE is actively seeking new ideas and new research strengths that can further the mission of CAMMSE.

#### **Submission Guidelines**

The proposal should be **NO MORE THAN A TOTAL OF TEN (10) pages** (without references) and include the following categories:

1. Title of Proposed Project
2. Consortium Member
3. Identify the PI(s), Affiliation, and Contact Information
4. Project Abstract
5. Problem Statement and Research Background: What problem is being solved and why should anyone care?
6. Project Goal and Objectives: Identify the purpose of the project, the relevancy to the **CAMMSE theme and research thrusts** (see above), and the specific project objectives.



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7. Work Plan: General framework for what you plan to do, approach, methodology, etc., as well as the specific research tasks.
8. Proposed Work Schedule
9. Student Involvement Plan
10. Relationship to Other Research or Project
11. Research Outcomes and Technology Transfer Plan: Please clearly describe deliverables of the proposed research. Also, consider potential stakeholder and how the results can be implemented. ***In particular, U.S. DOT leadership has determined that a Technology Transfer Plan from each UTC will be a mandatory requirement, no longer an option. A short section describing the Technology Transfer plan of the proposed research will be extremely important.***
12. Potential Benefits of the Project
13. Amount of UTC Funds Requested and budget: A maximum of \$60 K is available for each research project. Please note how funds will be spent.
14. Non-federal match: Please show how and where you will obtain the match. Matching can include faculty salary, faculty fringe, overhead from salary & fringe, donations, in-kind, etc. Non University partners are particularly desirable.
15. References: The literature cited in the proposal needs to be provided.

### **Budget Considerations**

- Proposal budget should be in the format as required by USDOT, which is provided on the next page.
- A detailed budget is needed and should clearly identify the source of the non-federal matching. *The budget should include funds for project reporting and attendance at the annual conference at Charlotte, NC to present results to the CAMMSE community.*

### **Review Process**

- A review committee consisting of members from several universities, government agencies, and/or private sectors will conduct the peer-review. Reviews should be completed in about three weeks and decisions announced thereafter.

### **Due dates**

Submission deadline for all project proposals: **Friday, July 9, 2021 4:00 pm.**

Decisions to PIs: **Friday, August 20, 2021.**

Revised Proposal: **Friday, September 10, 2021.**

Anticipated period of performance: One to two years from contract start date (anticipated start date: **October 1, 2021**).



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### Questions

If you have any questions please don't hesitate to contact CAMMSE Center Director, Dr. Wei Fan ([wfan7@uncc.edu](mailto:wfan7@uncc.edu)).

CATEGORY	Budgeted Amount from Federal Share	Budgeted Amount from Matching Funds	Explanatory Notes
Center Director Salary			
Faculty Salaries			
Administrative Staff Salaries			
Other Staff Salaries			
Student Salaries			
Staff Benefits			
Total Salaries and Benefits			
Student Tuition			
Permanent Equipment <sup>1</sup>			
Expendable Property, Supplies, and Services <sup>2</sup>			
Domestic Travel			
Foreign Travel <sup>3</sup>			
Other Direct Costs (specify) <sup>4</sup>			
Total Direct Costs			
F&A (Indirect) Costs			
TOTAL COSTS			

<sup>1</sup> Permanent Equipment includes any item of equipment having a unit acquisition cost of \$5,000 or more. Per the grant's *General Provisions* document, written permission must be obtained from OST-R prior to the purchase of such equipment.

<sup>2</sup> Expendable Property, Supplies, and Services include such tangible items as office and laboratory supplies and such intangible services as telecommunications.

<sup>3</sup> Foreign Travel includes travel to or from any destination outside of the United States and its territories. Per the grant's *General Provisions* document, written permission must be obtained from OST-R prior to the initiation of such travel, or such travel may not be funded under the grant.

<sup>4</sup> Itemize other anticipated direct costs not mentioned above.