UCR’s College of Engineering · Center for Environmental Research and Technology (CE-CERT) DyMMS Consortium will gather experts in industry, academia, and regulatory agencies to revolutionize operation of our vehicle and transportation system in order to maximize public health, mobility, cost efficiency and environmental benefits; leverage emerging revolutions in automation, connectivity, electrification and shared mobility together with advances in on-board sensing and distributed computing.

**DYNAMIC MOBILITY MANAGEMENT SYSTEM (DyMMS)**

DyMMS will create an innovation ecosystem in which researchers from academia, industry, and government can work collaboratively to:

- Overcome fundamental scientific and engineering challenges with monitoring vehicle activity and emissions;
- Integrate these advances into models and control systems for a new generation of tools to manage mobility within an urban setting;
- Demonstrate these solutions in testbeds and real-world settings that take into account societal implications including emerging transportation modes, maximizing safety, environmental justice, and regulatory strategies.

The DyMMS Consortium will re-engineer the relationship between mobility, quality of life, environmental protection, and public health and safety. Outcomes will include reduced congestion, emission exposure, and lower cost technology.

**WE INVITE YOU TO JOIN THE DyMMS CONSORTIUM AND PARTAKE IN CHAMPIONING THE WAY TOWARDS IMPROVED ENVIRONMENTAL QUALITY**
One of the first objectives of the DyMMS Consortium will be to discuss and refine the objectives of the consortium and identify projects of interest to its members. Initial discussions have yielded the following suggestions:

1. Develop a prototype distributed multiscale management (control) systems, which will act on real-time data and modeling outputs to instruct vehicles and transportation infrastructure to dynamically adjust their operating modes, local behavior, and regional activity to optimize safety, mobility, efficiency, and air pollution exposure for sensitive populations.
2. Explore continuous feedback management strategies – i.e. incentivizing hybrid-electric vehicles to switch to battery power when passing schools or hospitals.

For more information about DyMMS Consortium membership, upcoming meetings or for general inquiries, please contact Mike Allen at mike.allen@ucr.edu or via phone at (951) 827-6569.