LISC LABORATORY FOR INTELLIGENT SYSTEMS AND CONTROLS
Detection of Fugitive Emissions via Mobile Sampling

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On-going Research and Collaborations:

 "IGERT: Training Program in Wireless Intelligent Sensor Networks (WISeNet)," 2010 - 2015, NSF. Amount: ~\$3.1M. PI: S.
 Ferrari (Duke). Collaborators: Albertson, Environmental Protection Agency (EPA).

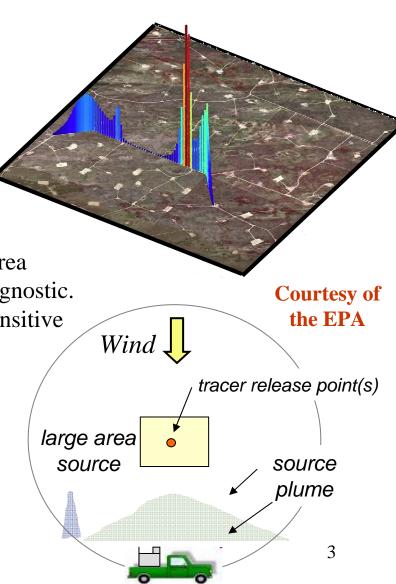
<u>Future</u> Research Directions:

• Detection of fugitive emissions based on large-area distributed source mobile sampling and plume diagnostic.

• Applications: EPA GMAP-REM project, Gas-sensitive Mobile Robots (Gasbots), underwater systems.

<u>Future</u> Funding:

• EPA, ARPA-E, DoE, DoD, NSF.



EPA Mobile sampling vehicle

