

Steven T. Parker, Ph.D.

Program Manager
 University of Wisconsin-Madison
 Department of Civil and Environmental Engineering



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Education	Ph.D. – Computer Sciences, University of Wisconsin – Madison, 2005 M.S. – Computer Sciences, University of Wisconsin – Madison, 1997 B.S. - History, Duke University, 1989
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Positions Held	2007 – present Program Manager (Information Technology), Traffic Operations and Safety Laboratory, UW-Madison 2004 – 2006 Project Manager (Information Technology), Traffic Operations and Safety Laboratory, UW-Madison 1999 – 2004 Research Assistant, The Wavelet IDR Center, Computer Sciences Department, UW-Madison 1998 & 2000 Teaching Assistant, Computer Sciences Department, UW-Madison 1996 – 1998 Project Assistant, The PRISM Project, Computer Sciences Department, UW-Madison 1994 – 1996 Project Assistant, Computer Systems Lab, Computer Sciences Department, UW-Madison 1991 – 1994 International Monetary Fund, Programmer / Analyst, Washington, D.C. 1990 – 1991 Jones, Day, Reavis and Pogue, IT / Project Assistant, Washington, D.C.
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Research Interests	Intelligent Transportation Systems (ITS), including Archived Data User Services (ADUS) and Archived Data Management Systems (ADMS); Freeway Operations; Geographic Information Systems (GIS) in Transportation; Data Representation and Quality Control for Transportation Data.
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Selected Projects	<p><i>Wisconsin Transportation Data Hub (WisTransPortal).</i> Federal Highway Administration (FHWA) and Wisconsin Department of Transportation (WisDOT).</p> <hr/> <p><i>Wisconsin Lane Closure Planning System.</i> Federal Highway Administration (FHWA) and Wisconsin Department of Transportation (WisDOT).</p> <hr/> <p><i>WisDOT State Patrol CAD and ATMS Integration.</i> Federal Highway Administration (FHWA) and Wisconsin Department of Transportation (WisDOT).</p> <hr/> <p><i>WisTransPortal Safety Data Enhancements.</i> National Highway Traffic Safety Administration (NHTSA) and Wisconsin Department of Transportation (WisDOT).</p> <hr/> <p><i>Data Extractor Enhancements and Management.</i> Federal Highway Administration (FHWA) and Wisconsin Department of Transportation (WisDOT).</p> <hr/> <p><i>WisDOT Interagency Video Sharing Support Services.</i> Federal Highway Administration (FHWA) and Wisconsin Department of Transportation (WisDOT).</p>
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<p>Selected Publications</p>	<ol style="list-style-type: none"> 1. Steven T. Parker, David A. Noyce, and Michael J. Runnels. The WisTransPortal V-SPOC Traffic Detector Data Facility: A Technical Overview. Accepted for presentation at the 14th World Congress on Intelligent Transportation Systems, Beijing, China, 2007 2. Steven T. Parker, Michael J. Runnels, Shan Di, Changxuan Pan, and Douglas Dembowski. The WisTransPortal Volume, Speed, and Occupancy Application Suite. Presented at the Transportation Research Board 86th Annual Meeting, Washington, D.C., 2007 3. Arup Dutta, Steven T. Parker, Xiao Qin, Zhijun Qiu, and David A. Noyce. A System for Digitizing Wisconsin Crash Location Information. Accepted for publication in <i>Transportation Research Record</i>, TRB, National Research Council, Washington, D.C., 2007 4. Steven T. Parker and Yang Tao. WisTransPortal: A Wisconsin Traffic Operations Data Hub. ASCE Conference Proceedings, 9th International Conference on Applications of Advanced Technologies in Transportation, Chicago, IL (2006). Received ITE Wisconsin Martin Bruening Award in March 2007.
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<p>Professional Service</p>	<p>Transportation Research Board Member – Archived Data User Service (ADUS) Subcommittee ITS America Association of Computing Machinery (ACM) Institute for Electrical and Electronics Engineers (IEEE) Society for Industrial and Applied Mathematics (SIAM)</p>
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