

**AASHTO HIGHWAYS SUBCOMMITTEE ON DESIGN  
NAMES OF PRESENTERS AND THEIR BIOGRAPHY  
INDIANA MEETING 2009**

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**Campbell, John L.**

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**Telephone:** 206.528.3254

**Biography:** John Campbell is a Research Leader with Battelle's Center for Human Performance and Safety. He also manages Battelle's Human Performance Laboratory. Since 1985, his research activities have focused on the development and evaluation of advanced human-machine interfaces. He has developed human factors guidelines for in-vehicle navigation systems, collision warning devices, icons and symbols, traffic management centers, and road system design. He is Battelle's Project Manager for the TRB's effort to develop Human Factors Guidelines for Road Systems.

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**Chen, Shyuan-Ren (Clayton) Ph.D, PE, PTOE**

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**Biography:** Clayton Chen is a Highway Research Engineer of the Office of Safety Research and Development for the Federal Highway Administration (FHWA) at Turner-Fairbank Highway Research Center in McLean, VA. He leads the FHWA's safety RDT efforts for safety analytical tools, geometric design, local and interstate access management, and rural safety program. Chen has a Ph.D. degree major in Transportation & Urban Engineering from the University of Connecticut. He is a licensed professional engineer and a certified professional traffic operations engineer.

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**D'Angelo, Daniel P.E., MBA, CTL**

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**Telephone:** (518) 457-6452

**Biography:** Mr. D'Angelo is currently the ARRA Manager for the New York State Department of Transportation reporting directly to the Commissioner overseeing all agency ARRA activities. He is also the Director of the Office of Design and a Deputy Chief Engineer for the New York State Department of Transportation. In this position he leads a staff of 170 employees in three Bureaus (Design Quality Assurance Bureau, Design Services Bureau, and Consultant Management Bureau) and provides policy direction and quality assurance for the Department's 1,200 design employees in its eleven regional offices. Mr. D'Angelo teaches an undergraduate course on "Critical Thinking." Mr. D'Angelo has over 25 years of experience in project management, project development, resource management, performance management, strategic alignment, operational planning, out-sourcing, leadership and workforce development.

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**Kennedy, Mary E.**

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**Telephone:** (317) 232-5215

**Biography:** Mary Kennedy has a bachelor's degree in history, a master's degree in historic preservation, and a master's degree in library science. She has been an architectural historian for the Indiana Department of Transportation since 2003, working on a variety of Section 106 and environmental documents. Her previous experience with historic bridges includes writing National Register eligibility assessments, preparing Historic American Engineering Record documentation, and surveying for a statewide bridge inventory for the Maryland State Highway Administration. She is the project manager for the Indiana Historic Bridge Inventory.

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**Marek, Mark A. P. E.**

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**Telephone:** (512) 416-2576

**Biography:** Title: Director, Design Division

Organization: Texas Department of Transportation (TxDOT)

Education: Bachelor of Science in Civil Engineering, University of Texas at Austin, 1981.

Masters in Business Administration, Southwest Texas State University, 1986.

Memberships:

- (1) American Association of State Highway and Transportation Officials (AASHTO) Subcommittee on Design
  - (2) AASHTO Technical Committee on Geometric Design
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**McDonnell, James T. P.E.**

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**Biography:** Jim McDonnell is AASHTO's Deputy Program Director for Engineering. Jim serves as liaison to AASHTO's design, construction, and right-of-way and utilities subcommittees and their technical committees, which include the areas of geometric design, roadside safety, and cost estimating. In these capacities, his responsibilities include: overseeing and coordinating the technical development and update of AASHTO's design and construction publications, including the Roadside Design Guide and the Policy on Geometric Design of Highways and Streets (the AASHTO "Green Book"); analyzing proposed federal legislation and coordinating the official AASHTO response on such topics as work zone safety and mobility, design-build contracting, and accessibility in public rights-of-way; developing proposed research problem statements for submission to the National Cooperative Highway Research Program (NCHRP) on behalf of the AASHTO committees; and participating in numerous conferences and meetings in the areas of highway construction, design, right-of-way, and utilities.

Jim also coordinates technical activities between these committees and related outside organizations, such as the American Council of Engineering Companies (ACEC), Associated General Contractors of America (AGC), and the American Road and Transportation Builders Association (ARTBA).

Prior to working for AASHTO, Jim worked for the North Carolina DOT and as an engineering consultant doing planning and traffic engineering design work. He holds a Bachelor of Science Degree in Civil Engineering from Duke University and is a registered Professional Engineer.

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**Quiroga, Dr. Cesar**

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**Biography:** Cesar Quiroga is a Research Engineer at the Texas Transportation Institute. At TTI, he manages the Infrastructure Management Program, which he created to conduct leading-edge research and technology transfer in areas related to data modeling, data exchange and integration, and optimization of business processes to address pressing transportation infrastructure management needs. Cesar has worked on a number of critical transportation areas such as utilities, right of way, GIS, GPS, and ITS. Recently, he participated in an international scan sponsored by FHWA, AASHTO, and NCHRP, where he accompanied a team of experts from FHWA, state DOTs, and private industry to Australia and Canada to learn about innovative practices on right of way and utilities. Cesar is currently serving as the Principal Investigator on SHRP 2 R15(B) "Identification of Utility Conflicts and Solutions."

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**Shaw, Jeffrey**

**Email:** [Jeffrey.Shaw@dot.gov](mailto:Jeffrey.Shaw@dot.gov)

**Telephone:**

**Biography:** Jeff Shaw is a Safety/Design Engineer for the FHWA Resource Center, Safety & Design National Technical Services Team. In this role, he provides technology deployment and technical assistance on highway design and road safety matters to FHWA Field Offices, State DOTs and local road agencies across the United States. Prior to joining the FHWA, Jeff worked for the Illinois Department of Transportation and in private practice in Chicago and Atlanta. He earned his BSCE from the Illinois Institute of Technology, is a registered Professional Engineer in Illinois, and has been board certified as a Professional Traffic Operations Engineer and Professional Transportation Planner.

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**Shaw, Joe**

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**Telephone:** 615.741.2891

**Biography:** Joe Shaw is currently the Assistant Director of Tennessee Department of Transportation Right of Way Division. Previously he served as the State Utility Coordinator for the Department. He has been with the Department for 26 Years beginning his career in the Survey & Design Office, he has worked in the Special Design Preliminary Design Office, was a member of the CADD Implementation team for the Department, worked in the Special Design Estimation Office, and was a member of the Business Process Re-engineering (BPR) To-Be Team.

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**Sutherland, Larry F.**

**Email:**

**Telephone:**

**Biography:** Mr. Sutherland serves as a Senior Transportation Engineer in Parsons Brinckerhoff's Columbus, Ohio office with over 40 years experience in transportation engineering and planning. He has a Bachelor of Science in Civil Engineering and a Master of Science degree from The Ohio State University which he received in 1971 and 1982, respectively. He retired from the Ohio Department of Transportation with 34 years of service in 2004, and has worked as an engineering consultant since that time specializing in freeway and interchange design, innovative design of non-traditional intersections and interchanges, geometric design and safety. While at the Ohio Department of Transportation he served in a wide variety of positions which included traffic engineer, maintenance engineer, signing engineer, location and design area engineer, geometrics engineer, planning administrator and deputy director for roadway engineering. Mr. Sutherland was active within the AASHTO organization during his time with ODOT. He was a member of the AASHTO Subcommittee on Design from 1999-2004, and the AASHTO Technical Committee (formerly Task Force) on Geometric Design from 1989-2004. He is a former member of the TRB Committees on Geometric Design (1991-2009) and Access Management (1994-996), and is a current member of TRB Task Force to Develop a Highway Safety Manual (2003-Present) and the Research Subcommittee of TRB's Committee on Highway Capacity and Quality of Service (1992-Present). He has served on numerous NCHRP panels dealing with a wide range of subjects during the past 20 years. Mr. Sutherland was the 2003 recipient of the AASHTO Subcommittee on Design, Region 3 design award.

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**Todd, Gary P.Eng.**

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**Telephone:**

**Biography:** Gary Todd is a professional engineer from Ontario Canada. He has been working in highway engineering for the past 34 years after graduating from the University of Toronto. His experience includes traffic modeling, remote sensing, managing regional and head office construction operations, managing maintenance operations and managing regional planning and design operations. Gary is currently the Manager of the Design and Contract Standards Office at the Ministry of Transportation and is responsible for establishing policy and standards for highway maintenance and design. His spare time is spent on the golf course in the summer and the curling rink in the winter.

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**Tribelhorn, Lesly P.E.**

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**Biography:** Lesly Tribelhorn started her career as a Civil Engineer for the Montana Department of Transportation (MDT) over 20 years ago. Her career at MDT has been chiefly in a design capacity, gaining experience in road design and hydraulics engineering before managing a district preconstruction office. She has been the Highways Design Engineer since 2004, overseeing Road Design, Hydraulics, Photogrammetry and Survey, and Cost Estimating. Lesly has been a member of SCOD since 2004 and the Technical Committee for Cost Estimating since 2006. She was appointed the TCCE Chair position in 2007.

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**Varma, Shobna**

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**Biography:** President & CEO Starlsis Corporation

Shobna Varma is an engineer with a Masters Degree in Computer Information Science. She has nearly three decades of experience in engineering, analysis, project management, information technology and business management in the petroleum and transportation industries. During her career, she held various technical and executive positions with private industry and public agencies.

As former CIO of the Ohio DOT she was instrumental in implementing several business process improvements and best practices supported by technology that led to the agency being recognized as a leader in pavement, bridge and other asset management. She deployed performance management systems before it became popular and led to the agency being a poster child in performance management.

She pioneered the use of data warehousing at the Ohio DOT during the early 90's and facilitated the use of business intelligence and data driven decision making.

She is an accomplished executive who turned around the IT division into a professional, high performing strategic "value added" business partner for the Ohio DOT. She successfully tapped generational behavior in addressing workforce development and staffing shortages. Her vision and leadership were instrumental in the development of systems and solutions that led to Ohio DOT receiving various awards and recognition including the Baldrige award for excellence in performance.

She is the President & CEO of Starlsis Corporation, providing strategic planning, process re-engineering and a host of innovative, technology-supported business solutions for transportation and industry. In the area of transportation, Starlsis Corporation provides a wide range of services including those related to strategic planning, asset management, performance management, data warehousing, decision support systems and workforce development.

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