

# Brian Reed & Meng Zhang, PhD

## WSP



**Brian Reed, Manager Digital Services, WSP USA.** Brian, for over three decades has specialized in transportation cyber security, design, deployment, development and integration of technology systems; including, Connected/Autonomous Vehicles (C-V2X and DSRC), IT, ITS, Asset Management and Data Analytics. He served as the PM/Technical Lead for USDOT Smart Intersections Project, Ann Arbor Connected Vehicle Test & Operational Environments, Michigan DOT M1 Woodward Corridor, American Center for Mobility Test Facility, and USDOT/UMTRI Safety Pilot Model Deployment Projects.



**Meng Zhang** is the Data Scientist at WSP Digital Service group. She obtained her Ph.D. degree in Civil Engineering and MS degree in Statistics from the University of Tennessee, Knoxville. Her current work focuses on web application development, database design and management, data visualization and analytics.

# Fatma Ciloglu, PhD, P.E.

## Michael Baker International



Dr. Ciloglu is a Geotechnical Department Manager for Michael Baker International, Inc. in Pittsburgh, PA. She is responsible for raising the visibility of our geotechnical expertise within the Company and for expanding opportunities to grow business in this field. She has served as the technical lead for various geotechnical projects and has managed engineering teams.

Dr. Ciloglu earned her Ph.D. in Geotechnical Engineering from Drexel University and her M.S. and B.S. degrees, both in Civil Engineering, from the Middle East Technical University in Ankara, Turkey.

# Charles Nash P.E.

## ms consultants, inc.



Chuck Nash serves as the Transportation Practice Leader at ms consultants where he has worked for the past 22 years. Chuck has a highway design and construction background and manages many types of transportation projects including Group Maintenance Projects, Betterments, Design Build Projects, Bridge Projects and Complex Interchanges.

Chuck is the current Secretary and Northeast Representative for ASHE Pittsburgh and also is a Past President of the Section. Chuck joined Dr. Magalotti's IRISE research team as a Technical Advisor in 2020.

# Chris Metka

## PennDOT



After graduating with his Master's Degree in Geo-Environmental Studies from Shippensburg University, Chris began working with PennDOT in 2005. Chris spent 14 years developing and managing PennDOT's Safe Routes to School and Transportation Alternatives Program, helping to provide over \$200 million in funding to Pennsylvania communities for bicycle and pedestrian infrastructure, trails, safety improvements and educational programs and resources to help children walk to school.

# Alex Stevanovic, PhD

## Pitt Civil Engineering



Dr. Stevanovic is an Associate Professor of Civil & Environmental Engineering at the Swanson School of Engineering, of the University of Pittsburgh. Dr. Stevanovic has earned his B.Sc. in Traffic and Transportation Engineering at the University of Belgrade (Serbia) followed by M.Sc. and Ph.D. degrees in Civil Engineering at University of Utah. He teaches courses and does research in transportation engineering, traffic control, and intelligent transportation systems.

Dr. Stevanovic has published more than 200 journal and conference papers and presented at more than 100 international, national, and state seminars. He has been a principal investigator on more than 35 research projects for a total of ~ \$5 million.

# Kent Harries, PhD

## Pitt Civil Engineering



**Kent A. Harries** is a Professor of Structural Engineering and Mechanics at the University of Pittsburgh. He is the author of over 300 peer-reviewed articles and leads code-development efforts in multiple fields. Professor Harries is Senior Editor at the *Journal of Construction and Building Materials*, a Fellow of ASCE, ACI and IIFC, and is a professional engineer in Ontario, Canada.

# Bradley J. Heigel, P.E.

## PA Turnpike Commission



Bradley J. Heigel, P.E. is a native of St. Mary's, PA and a graduate of Penn State University. Since April of 2012, Brad has served as the Chief Engineer of the PA Turnpike Commission. He oversees the day-to-day operation of the Commission's Engineering Department and is responsible for delivering both their Capital Plan and their Independently Funded Program which supports Act 61 projects. Brad is a past President for the Harrisburg Section – ASHE and was the 2017 Central PA Engineer of the Year.

# Larry Shifflet

## PennDOT



Larry Shifflet is Deputy Secretary for Planning at the Pennsylvania Department of Transportation. He is a 1991 graduate of the Pennsylvania State University with a Bachelor of Science degree in Finance. Larry has also attained his Master of Business Administration from Lebanon Valley College. During his 30 plus years with the Pennsylvania Department of Transportation, Larry has worked in the Office of Planning in various roles. In his role as Deputy Secretary, Larry is responsible for collaborating with communities and transportation stakeholders to plan transportation projects that balance community needs with regional and statewide travel demand and available funding resources.

# Dr. Julie Vandenbossche

## Pitt Civil Engineering



Julie Vandenbossche is the William Whiteford Kepler Professor and the Vice Chair of Research in the Department of Civil and Environmental Engineering at the University of Pittsburgh and is also the Director of Research for IRISE. She worked for the Minnesota Department of Transportation for five years prior to joining the University of Pittsburgh. Her research areas include cementitious materials and the design, analysis and rehabilitation of pavements. Her research has led to five major awards including the Marlin J. Knutson Award for Technical Achievement (American Concrete Pavement Association), the Fred Burggraf, (Transportation Research Board) and ASCE Professor of the Year, (ASCE Pittsburgh Section).



# Cheryl Moon-Sirianni, P.E.

## PA Department of Transportation



Cheryl Moon-Sirianni was appointed PennDOT's Executive Deputy Secretary in February 2023, the latest advancement in her over 36-year PennDOT career. Since November 2017, she had been serving as the District Executive at PennDOT District 11 – the first woman to serve in that role – which includes Allegheny, Beaver, and Lawrence counties with 8,500 miles of roadway, 1,800 bridges, four tunnels, and a staff of over 780 people.

Since starting with the department as a Civil Engineer Trainee and progressing through various positions, she has had the pleasure of working with many fantastic department staff, government partners, consultants and contractors in the development and construction of significant regional projects which have improved safety and mobility, ensured commerce could traverse throughout our network and benefitted all our friends, families, visitors, and travelers throughout our communities.

Cheryl is a Lifetime Member of American Society of Highway Engineers, Second VP of the Engineers Society of Western PA, and Penn State Beaver Advisory Board and Women's Transportation Seminar member. She is a graduate of Penn State University and a registered professional engineer.

Additionally, she is a proud parent of her daughter Gina.

# Alessandro Fascetti & John Brigham

## Pitt Civil Engineering



Dr. Alessandro Fascetti received his Bachelor and Master's degrees in Civil Engineering from the Sapienza University of Rome. He obtained his Ph.D. from the same institution in 2016. Dr. Fascetti conducts research on digital twin modeling of horizontal and vertical infrastructure for large-scale resilience assessment and maintenance optimization. His work focuses on failure mechanics as well as durability aspects, combining multiscale experimental information with in-situ and remote sensing techniques for the real-time assessment of interconnected infrastructure systems.



John Brigham received a BE from Vanderbilt University and a MS and PhD from Cornell University. He joined the University of Pittsburgh as an Assistant Professor in 2008, and was later promoted to Associate Professor in the Department of Civil and Environmental Engineering, with a secondary appointment in the Department of Bioengineering. Focusing on computational mechanics and inverse problems, John's research group is actively involved in a number of diverse projects, including kinematic analysis of the heart for improved diagnosis of cardiovascular disease, novel design concepts and optimal design strategies for smart material morphing structures, and efficient and accurate quantitative nondestructive evaluation algorithms.