



Gold



Silver



Bronze

January 22, 2015

The Tower at Rice-Eccles,
University of Utah
451 S 1400 E, 6th Floor
Salt Lake City, Utah 84112
(TRAX Stadium Station)

Conference Cost: \$100
(A \$10 late fee will be charged
for registration at the door)

Conference Abstract

Our conference this year will focus on preparing to solve our transportation challenges by studying and understanding future trends.

Although we often look to history to help gain perspective on the future, we must continually look to changing trends, attitudes, and political environment to best prepare for the future.

The annual conference is a great way to continue your education and network. We know you will enjoy our presenters and the venue. We also look forward to interacting with each of you at our monthly luncheons and yearly events throughout 2015!

Wifi "UGuest"

ITE Utah Chapter

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7:30-8:20 REGISTRATION AND BREAKFAST

8:20-8:30 **Conference Welcome**
Kordel Braley, P.E., PTOE - Vice President, ITE Utah Chapter

8:30-9:10 **Get Ready for a Future with Active Transportation**
Louenda Downs - Former Commission Chair, Davis County

9:10-9:30 **UDOT Update**
Carlos Braceras, P.E. - Executive Director, Utah Department of Transportation

9:30-9:50 **UTA Update**
Michael Allegra - President/CEO, Utah Transit Authority

9:50-10:15 MORNING BREAK

10:15-10:40 **Will Your Next Car Drive Itself?**
Blaine D. Leonard, P.E. - ITS Program Manager, Utah Department of Transportation

10:40-11:30 **Demographic Trends and Mobility**
Jerry Walters, P.E. - Principal, Fehr & Peers

11:30-12:00 **Keynote**
Lane Beattie - President and CEO, Salt Lake Chamber

12:00-1:00 LUNCH & AWARDS

1:00-1:50 **Keynote**
Lynn Peterson - Secretary, Washington State Department of Transportation

1:50-2:20 **Working Through the 13 Most Difficult Issues You'll Deal with in Your Career: Ethical Dilemmas You Can Expect to Face**
Brad Agle, PhD - Professor of Ethics and Leadership in the Marriott School of Management, Brigham Young University

2:20-2:45 **Seriously, You Don't Even Comprehend How Incredibly Amazingly Awesome Vehicles and Roads and Infrastructure Actually Are**
Elden Tanner - Blogger, FatCyclist.com

2:45-3:00 AFTERNOON BREAK

3:00-3:40 **Panel Discussion on the Future of Air Quality**
Jon Larsen, P.E. - Wasatch Front Regional Council
Kip Billings, P.E. - Wasatch Front Regional Council
Bryce Bird - Division of Air Quality
Rachel Otto - Breathe Utah

3:40-4:05 **Integrating Economics into Transportation Planning Decisions**
Chandler Duncan - Senior Planner and Economist, Economic Development Research Group

4:05-4:45 **Designing a Street for Walking-the Original Mode**
Bradford R. Houston - President, Urban and Architectural Design



Lynn Peterson was appointed CEO, aka Secretary of the Department of Transportation, in February 2013. Peterson oversees an agency of 6,600 employees, with responsibility for 18,600 lane miles of highway; 3,700 bridges; general aviation airports; passenger- and freight-rail programs; and the Washington State Ferry system, the nation's largest. Before joining WSDOT, Peterson served as the Transportation Policy Advisor for the Oregon Governor. She is the former chair of the Clackamas County Commission (CCC) and is a nationally-recognized transportation/land-use integration expert. Prior to serving on the CCC, Peterson worked as a consultant and as a strategic planning manager for TriMet, Portland's transportation agency. She was also an advocate for 1000 Friends of Oregon and a transportation planner for Metro, the MPO for the Portland area. Peterson holds a BS in Civil and Environmental Engineering from University of Wisconsin - Madison, and Masters degrees in Civil and Environmental Engineering and Urban and Regional Planning from Portland State University.



Lane Beattie is the president and CEO of the Salt Lake Chamber, a position he has held since 2003. He can rightly be called "Utah's business leader." Under his direction the Chamber has embraced a new era of business leadership that blends the best of a traditional chamber with top-notch and powerful business advocacy. During his tenure at the helm of Utah's largest and longest-standing statewide business association, the Chamber has strengthened Utah's economy by investing in transportation, reforming our health system, improving education and expanding international business. The Chamber was also the driving force behind Downtown Rising, a movement to enhance Utah's Capital City that supported unprecedented investment in Salt Lake City's central business district. Today under Lane's leadership, the Chamber continues to support pro-business policies that will provide enduring benefits for the state economy. Lane enjoys golf and skiing, and raises quarter horses. He and his wife, Joy, have three children and nine grandchildren—seven boys and two princesses.



Michael Allegra has more than 38 years of experience in the transit industry. Allegra began his career in 1976 as a transportation engineer for Utah's Wasatch Front Regional Council. Three years later, he joined the Utah Transit Authority (UTA) as a planner/engineer. Over the course of his career, he worked through nearly every aspect of the UTA organization, directing the planning, funding, design, and construction of UTA's rail system and overseeing a program which expanded UTA's system to include the addition of 140 miles of rail in just over a decade. This extensive expertise culminated in his selection as UTA's general manager in 2010. Allegra received a master's degree in civil engineering from Virginia Polytechnic Institute and State University and sits on several professional boards including the American Public Transportation Association, the Transportation Research Board, the Transportation Learning Center, the Utah Foundation, EDCUtah, and the Salt Lake Area and Greater Sandy Area Chambers of Commerce.



Carlos M. Braceras, P.E., is the executive director of the Utah Department of Transportation (UDOT). He is responsible for UDOT's more than 1,600 employees and the design, construction, and maintenance of Utah's 6,000-mile system of roads and highways. Braceras joined UDOT in 1986. Prior to being appointed as executive director, he served as deputy director for 12 years. Braceras has also served as the director of UDOT's Region Three Office, chief geotechnical engineer, chief value engineer, a member of the Legacy Parkway/I-15 North Project team and as a roadway design engineer. He was named the "1998 State of Utah Governor's Manager of the Year" and was the 1998 recipient of the "UDOT Leader of the Year" Award. Braceras is on the board of directors for the American Association of Highway and Transportation Officials (AASHTO), where he serves as the secretary/treasurer and as the chair of the Subcommittee on Maintenance. Braceras moved to Utah in the summer of 1980. In their free time, Carlos and his wife Laurie enjoy spending time in the Utah outdoors.



Louenda Downs earned her B.S. in Education from Weber State University with an emphasis in Art and Music. Louenda worked as a professional musician for over 30 years. She taught school for seven years in Davis School District and was then elected to serve eight years on the Davis Board of Education and served as President of that Board. She served during that time as Vice Chair of the Davis County Council of Governments, on the Utah Board of Education State Association Board and as the chair of that Board's annual Convention. She was elected to serve a 4 year term as Davis County Commissioner beginning in 2007 and again reelected to serve as Commissioner in 2011. Louenda's experience in working for children and at-risk populations, coupled with numerous opportunities for service on community hospital, health & human services, and education boards have made her an advocate for children and those at-risk. She is also a strong proponent of economic development, community planning, healthy lifestyles, trails and active transportation.



Jerry Walters P.E., is Fehr & Peers' Chief Technical Officer and leader of the firm's Sustainability Practices. He has over 30 years' experience in planning, engineering and forecasting. Jerry has served on Regional Targets Advisory Committee to the Air Resources Board on implementing California's transportation/land use and climate law SB 375, and the American Public Transit Association working group on national guidelines for estimating climate change impacts of transit, advisory committee for Caltrans' "Assessment of Local Models and Tools for Analyzing Smart-Growth Strategies," and on the California Department of Housing and Community Development assessment "The Effect of Housing Near Transit Stations on Vehicle Trip Rates and Transit Trip Generation". Jerry has also developed evaluation methods for the EPA Smart Growth INDEX and is project manager for the EPA study "Mixed-use Development and Vehicle Trips: Improving the Standard Estimation Methodology." He is a co-author of "Growing Cooler – the Evidence on Urban Development and Climate Change".



Blaine D. Leonard P.E., is the UDOT ITS Program Manager. He is responsible for identifying and deploying a variety of transportation management systems on projects throughout the state and helping define the role for new technologies and systems. He has been involved with Connected Vehicle technology for 4 years and currently chairs the AASHTO Vehicle to Infrastructure Deployment Coalition. Prior to joining UDOT in 2001, Blaine spent 20 years in the consulting engineering business. He founded Strata Consultants, and was a partner in Van Boerum and Frank Associates. He served as the national ASCE President in 2010. In 2006, ASCE awarded Blaine the American Civil Engineer Award. In 2009, he was named the Utah Engineer of the Year. Blaine Leonard earned Bachelors and Masters degrees in Civil Engineering from the University of Utah. He is a licensed professional engineer in Utah, California, Idaho, Wyoming, Arizona and Colorado.



Brad Agle, PhD, is a Professor of Ethics and Leadership in the Marriott School of Management at Brigham Young University. Dr. Agle is an active researcher concentrating on business ethics, stakeholder management, CEO leadership and religious influences on business. His writings appear in the top academic journals in management and ethics, and are highly cited. He recently published the book "Research Companion to Ethical Behavior in Organizations: Constructs and Measures" and is currently writing "Business Ethics: A Field Guide." He is a recipient of multiple research and teaching awards, including Distinguished Professor of the Year honors. He has provided training to organizations including Alcoa, Ceska Sporitelna, US Steel, and the U.S. Marine Corps. His work has been featured in media outlets including the Wall Street Journal, Washington Post, USA Today, and CNN; and he has been a guest on CNBC's "Morning Call", "Power Lunch", and "Closing Bell".



Bradford R. Houston is currently the Manager of Architectural Design for the Temple Department of the Church of Jesus Christ of Latter-Day Saint and holds a Master of Architecture degree from the University of Notre Dame. His directive is to bring a greater sense of timelessness to temple design by restoring the principles of classical architecture. Prior to attending Notre Dame he worked as an independent planning and design consultant specializing in traditionally planned communities. He received his Master of Philosophy in Land Economy from Cambridge University where he worked with the ancestral Grosvenor Estate of the Duke of Westminster. His dissertation examined the developmental methodology utilized in the creation of Belgravia, one of London's most beautiful Georgian neighborhoods.



Chandler Duncan is a Senior Planner and Economist at Economic Development Research Group. Mr. Duncan brings over 12 years of experience in transportation planning, economic forecasting and evaluation, modeling, GIS and policy analysis. His experience includes serving as deputy project manager for a statewide system performance forecasting model for UDOT, and developing a national guidebook on programmatic investment strategies for statewide transportation systems. He also helped develop highway economic investment strategies for Michigan, Mississippi, Missouri, New Hampshire and North Carolina. Prior to joining EDR Group, Mr. Duncan worked at Wilbur Smith Associates in Salt Lake City, and he also worked earlier for the Minnesota DOT, the City of Charlotte, NC and URS/BRW, Inc. He holds a MRP in Economic Development and Transportation Planning from the University of North Carolina, Chapel Hill and an MBA from the University of Minnesota.



Elden "Fatty" Tanner For the past fifteen or so years, biking — whether on the road or on dirt — has been essentially my one and only hobby/activity/obsession. A few years ago, when I went on a nice long bike ride and noticed I was having to walk up hills I had easily ridden not many years before, I realized something had to be done. And yes, I also noticed my knees pushed into my gut with each pedal stroke. As I pushed my bike up the road, I realized I had not tried one very successful diet tactic: humiliation. I resolved to start a blog, embarrassing myself by proclaiming my weight on a daily basis, no matter how bad I was doing. I also am prone to frequent contests for my readers, geared toward making money for the Lance Armstrong Foundation and the Huntsman Cancer Institute, two organizations that have helped us immeasurably in our fight against cancer.



Rachel Otto was born and raised in Cincinnati, Ohio, but has been a westerner since moving to New Mexico in 1998. She arrived in Salt Lake City in 2001 for graduate school at the University of Utah in British and American Literature, and fell in love with everything about the place except for the air quality. After teaching undergraduate composition courses for the University of Utah and Utah State, Rachel discovered that she was still only educated enough for two things: returning to ski bumming in Taos, or going to law school. She chose the latter, and completed her J.D. at the University of Utah in 2008 with a certificate in natural resources law. Though she has always been involved in the non-profit world, Rachel spent five years practicing employment and civil rights law for a boutique firm in Salt Lake before taking the helm at Breathe Utah in 2014.



Bryce Bird was appointed director of the Utah Division of Air Quality in June 2011, after having managed the Division's Planning Branch, Compliance Branch, and Hazardous Air Pollutants Section. Bryce completed a degree in biology at the University of Utah and has a key interest in ensuring that regulatory programs are tied to air quality improvements.



Kip Billings, P.E. joined the Wasatch Front Regional Council in 1995 as a Transportation Engineer and Air Quality Analyst. Kip has been instrumental in developing innovative computing tools for modeling vehicle emissions to determine whether transportation plans are in compliance with State and EPA air quality regulations. Kip is a civil engineering graduate from BYU, and a part-time youth soccer referee.



Jon Larsen, P.E. is the manager of the Modeling, Forecasting, and Information Services group at WFRC. This group is in charge of model development and application, data management, and GIS. This work provides the technical base for nearly all of the work performed by WFRC. Prior to joining WFRC, Jon worked as a consultant at WCEC Engineers and Fehr & Peers where he managed projects and performed travel demand modeling, traffic engineering, and transportation planning.

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