

Comprehensive Biography for Peter J. Vanderzee

Founder, President and CEO, LifeSpan Technologies
Atlanta, Georgia, USA

June 2021

Mr. Vanderzee holds two engineering degrees; a Bachelor of Science in Mechanical Engineering from Rensselaer Polytechnic Institute (RPI) in Troy, New York and a Master of Engineering in Industrial Engineering from Texas A&M University in College Station, Texas. As a college basketball player and two-year team captain, Mr. Vanderzee was named to RPI's Olympia Athletic honorary fraternity and was also named in the hard-cover book "***Outstanding College Athletes of America***" during his senior year (1970).

Mr. Vanderzee started his working career as a production engineer at the U.S. Army Electronics Command. After several years in research and development, he accepted a position with a Texas-based energy and mining business. He held a variety of management positions over the next 10 years; including oil trading, project management and corporate strategic planning. He then joined an environmental start-up, being named President and CEO after two years. With two subsequent employers, in construction and civil engineering technology, he held executive positions in construction services, sales, business development and corporate administration.

In 2000, Mr. Vanderzee started a consulting business, Launch-Right, LLC, focused on technology commercialization. In 2002, LifeSpan Technologies, a Launch-Right client, asked him to lead the firm as it developed and launched commercialization efforts for its patented structural monitoring technology. Mr. Vanderzee has successfully led the development of LifeSpan's business while helping to define the most effective use of structural monitoring technology in this emerging market. Given his near twenty-year history, he is considered an expert in structural monitoring technology, a thought leader, and his opinion is sought out and valued by both regulators and national transportation policy makers. He is currently one of 25 world-wide members of the Transportation Research Board's (TRB) Bridge Management Committee and recently led the development of a TRB-sponsored guidance document for practitioners of structural monitoring. Mr. Vanderzee also consulted for the Long-Term Bridge Performance Program, managed by Rutgers University and the Federal Highway Administration.

Mr. Vanderzee resides in Brookhaven, Georgia with his wife Jane; has been married for 51 years; has two grown children and four grandchildren. His interests include golf, landscaping, reading and college basketball. He and his wife are members of Mt. Vernon Baptist Church.

Interviews/Mentions on National Media:

- ***CBS Evening News*** with Katie Couric – August 2007 (after collapse of the I-35W bridge)
- ***Fox News*** – August 2007 (after collapse of the I-35W bridge)
- Thirty+ interviews on SiriusXM Radio (“***Road Dog Trucking News***”) – 2013-2021
- “***Max and Zach Structural Engineering Podcast***” – June 2019

Presentations at International Events:

- International Association of Bridge Maintenance And Safety – *Kyoto, Japan* - 2004
- International Bridge Conference – *Pittsburgh, Pennsylvania, USA* – 2007
- FHWA International Bridge Workshop – *Taipei, Taiwan* – 2009
- BridgeLife Conference – *Ottawa, Ontario, Canada* – 2011
- Lecture to 100 + Transportation Engineers, *Nanjing, China* – 2010
- Keynote Presentation – Transport Canada/National Research Council – Workshop on Advanced Bridge Monitoring – *Ottawa, Ontario, Canada* - November 2012
- International Association for Bridge and Structural Engineers – *Rotterdam, Holland* – May 2013

Presentations at National Events:

- *Transportation Research Board* – Bridge Maintenance Committee – Washington, DC, January 2007
- *Transportation Asset Management Conference*, New Orleans, Louisiana, November 2007
- *Transportation Research Board* – Bridge and Tunnel Safety and Security Workshop – Washington, DC, January 2010
- *CHC Lifting Conference*, Sponsored by *Roads & Bridges Magazine*, Las Vegas, NV, December 2008
- *Concrete Bridge Conference*, Phoenix, Arizona, February 2010
- *US Department of Homeland Security Sensing and Monitoring Workshop*, Oxford, Mississippi, April 2010
- *Structural Materials Technology Conference*, Washington, DC, August 2014

Presentations/Meetings with Federal Policy Makers:

- Several Permanent Staff - US House of Representatives - Transportation and Infrastructure Committee – Highways and Transit Subcommittee, May 2007
- Several Permanent Staff – US House of Representatives - Ways and Means Committee, May 2007
- Several Permanent Staff – US House of Representatives – Railroad, Pipeline, HazMat, May 2007
- Engineering Staff of The American Association of State Highway and Transportation Officials (AASHTO), November 2007

- Federal Highway Administration (FHWA) – Executive Director and Key Staff, October 2008
- Testimony Submitted by Congressman Mica on Behalf of LifeSpan Technologies – US House Transportation and Infrastructure Committee – Hearing on Stimulus Program, October 2008
- Federal Railway Administration – Structures Staff – November 2006
- Private meeting with Georgia Representative Lynn Westmoreland, August 2007
- Private meeting with Georgia Senator Johnny Isakson, November 2008
- Private meeting with Missouri Representative Billy Long, January 2010
- Private meeting with Texas Representative Blake Farenthold, January 2012
- ***Industry Day***, representing the Advanced Condition Assessment Technology Group, sponsored by FHWA, July 2012
- Private Meeting with Victor Mendez, FHWA Administrator, February 2013

Presentations/Lectures at Universities and Professional Groups:

- CenSCIR Symposium - ***Carnegie Mellon University*** – May 2007
- CenSCIR Symposium - ***Carnegie Mellon University*** - May 2009
- Midwest Bridge Working Group – ***Northwestern University*** – June 2008
- South Carolina Professional Engineers Workshop – Columbia, South Carolina - March 2010
- Sustainable Energy and Infrastructure Forum – ***California Institute of Technology's Resnick Institute*** – September 2010
- Soy Transportation Coalition – Board of Directors Meeting – February 2012
- American Society for Non-Destructive Testing – New York City – August 2012
- Policy and Management Course, ***Cornell University***, Ithaca, NY – October 2014
- Introduction to Structural Engineering Course, ***RPI***, Troy, NY – October 2014
- Specialized Carriers and Riggers Association Meeting - Charlotte, NC – February 2020

Training Sessions (5-6 hours) on How to Use LifeSpan's Sensor Technology for Load Ratings:

- Westchester County, New York; Public Works Department and Engineering Staff
- Utah DOT and HDR Corporation, Salt Lake City, Utah; Bridge Engineering Staff
- South Carolina DOT, Columbia, SC; Bridge Engineering Staff
- Midland County, Michigan; Road Department Staff and Local Consulting Engineers
- Lapeer County, Michigan; Road Department Staff and Local Consulting Engineers
- Elk County, Kansas; DOT Engineers and Local Consulting Engineers
- Graves County, Kentucky; Kentucky DOT Engineers and Road Department Staff
- Bain, Medina, Bain, San Antonio, Texas; Bridge Engineering Staff
- New York State Thruway, Albany, NY; Bridge Engineering Staff
- WSP Corporation; Princeton Junction, New Jersey; Bridge Engineering Staff
- Kirkham Michael, Des Moines, Iowa; Bridge Engineering Staff
- Clinton County Road Commission, St. Johns, Michigan; CCRC Staff

Professional Memberships:

- Transportation for America, T4A, 2009-2021; currently working with T4A on the upcoming US Infrastructure Bill, e.g. DOT use of monitoring/load testing technology
- Intelligent Transportation Society of America, 2009-2011
- Transportation Research Board (TRB) Bridge Management Committee, 2017-2021

Articles Authored and Published:

- ***"A Bridge Too Near"*** – *Bridges Magazine* – January/February 2005
- ***"A Bridge Too Near"*** – *Georgia Engineer Magazine* – September 2005
- ***"To Know or Not to Know"*** – *Bridges Magazine* – May/June 2006
- ***"Objective Condition Assessment For Bridge Asset Management Programs"*** – IABMAS Conference, Kyoto, Japan - October 2004
- ***"Technology Adoption and the Standard of Care"*** – *Professional Engineer* – July 2008
- ***"Element Education"*** – *Roads and Bridges Magazine* – June 2009
- ***"The FHWA's Long Term Bridge Performance Program – Boon or Boondoggle?"*** – *Roads and Bridges Magazine* – November 2008
- ***"Addressing the Nation's Bridge Needs"*** – *BridgesOnline Magazine* – March/April 2008
- ***"Structural Health Monitoring for Bridges"*** – *ASCE Journal of Asset Management* – 2008
- LifeSpan Technologies White Paper #1 – ***"Why We Just Can't Spend Our Way to Better Bridges!"*** – LifeSpan Technologies Website - August 2007
- LifeSpan Technologies White Paper #2 – ***"A Better Way to Fix Our National Bridge Problem"*** - LifeSpan Technologies Website - October 2008
- ***"Spend Smart – Not Fast"*** – Government and Infrastructure Magazine - 2010
- ***"The Stress of Mr. Steele"*** – November 2010 – LifeSpan Technologies Website - 2011
- LifeSpan Technologies White Paper #3 – ***"Diagnosis Depends on Definitive Data"*** – LifeSpan Technologies Website - December 2011
- ***"Sense and Cents from Sensors"*** – Southeast Wood Producers Association Publication – Out of The Woods Magazine - January 2012
- LifeSpan Technologies White Paper #4 – ***"...But First, a Plan"*** – LifeSpan Technologies Website – January 2013
- LifeSpan Technologies White Paper #5 – ***"A Pragmatic Solution to Our Transportation Funding Dilemma"*** – LifeSpan Technologies Website – June 2014
- ***"Sense and Cents from Sensors"*** – NDE/NDT Conference Paper – August 2014
- ***"Regional Railroad Success: Saving CAPEX Funds by Using Advanced Structural Monitoring Technology"*** – Engineering Tracks - American Short Line Rail Road Association, Washington, DC – February 2015
- LifeSpan Technologies White Paper #6 – ***"The Other P3: Properly Prioritizing Projects"*** – LifeSpan Technologies Website – March 2015
- LifeSpan Technologies White Paper #7 – ***"Asset Management Software – Beware of the Foundation"*** – LifeSpan Technologies Website – February 2017

- LifeSpan Technologies White Paper #8 – “Infrastructure Policy Must be Fact-Based” – LifeSpan Technologies Website – January 2019

Citations/Quotations in National/International Media:

- Atlanta Journal Constitution – 2007; 2011
- USA Today Newspaper – 2007
- Engineering News Record – 2007
- Guardian Unlimited (UK) – 2007
- Governing Magazine –2009
- Landline Magazine –2008
- **“A Troubled Bridge Over Water”**, article by Dan McNichol, 2007
- **“Too Big To Fall”**, by Barry B. LePatner, book published November 2010
- RAI Intelligent Infrastructure, interview published June 2010
- **“Advocates Try to Bridge Gap in Awareness of Infrastructure”**, article in ENR Magazine by Transportation Editor, Aileen Cho, September 2012

LifeSpan Technologies National Awards:

- Technology Association of Georgia –**TOP 40 Innovative Technology Companies** - 2014
- Intelligent Transportation Society of America **“Smart Solutions”** Award – 2010
- Frost and Sullivan **Product Innovation of the Year** Award – 2006
- Wall Street Journal **Technology Innovation Awards Program** – 2006
- Construction Innovation Forum **NOVA Award** – 1999
- Civil Engineering Research Foundation **Charles Pankow Innovation Award** - 1997