DJS associates
Forensic Consulting, Technology & Animations

JUSTIN P. SCHORR, Ph.D.
President / Principal Collision Reconstruction Engineer

EDUCATION

The George Washington University – Washington, DC

Doctor of Philosophy (Ph.D.) – Civil and Environmental (Transportation) Engineering (August 2015)
Dissertation Title: Bridging the Gap between Social and Transportation Networks: An Integrated, Dynamic Evacuation Decision Making Model

Master of Science (M.S.) – Civil and Environmental (Transportation) Engineering (May 2010)

Northwestern University – Evanston, Illinois

Bachelor of Science (B.S.) – Civil and Environmental Engineering (June 2008)

EXPERIENCE

April 2019 – Current	DJS Associates, Inc., Abington, PA President / Principal Collision Reconstruction Engineer Consulting engineer in relevant disciplines including Highway Safety, Traffic and Transportation Engineering and Collision Reconstruction. Most cases terminate with written reports and/or court appearances for the presentation of expert testimony.
September 2015 – April 2019	DJS Associates, Inc., Abington, PA Collision Reconstruction / Transportation Engineer Consulting engineer in relevant disciplines including Highway Safety, Traffic and Transportation Engineering and Collision Reconstruction. Most cases terminate with written reports and/or court appearances for the presentation of expert testimony.
August 2015 – April 2019	The George Washington University, Washington, DC Center for Intelligent Systems Research Adjunct Professor / Post-Doctoral Research Associate Lead Researcher, Vehicle Instrumentation and Driver Simulator Laboratory
September 2010 – August 2015	The George Washington University, Washington, DC Center for Intelligent Systems Research Graduate Research and Teaching Assistant / Senior Doctoral Researcher
September 2008 – September 2012	DJS Associates, Inc., Abington, PA (Summer Position) Engineering Assistant – Engineering analysis to aid in the evaluation of collision reconstruction matters.

May 2003 – September 2008	DJS Associates, Inc., Abington, PA (Summer Position) Field Crew – Utilization of Total Station Survey equipment and High-Definition Surveying (HDS) laser scanners to collect accurate measurements from vehicles and collision sites.

MEMBERSHIPS, CERTIFICATIONS AND CONTINUING EDUCATION

Event Data Recorder Use in Traffic Crash Reconstruction – Update (2022)
Berla iVe Vehicle System (Infotainment & Telematic) Forensics (2021)
Event Data Recorder Use in Traffic Crash Reconstruction – Update (2019)
Event Data Recorder Use in Traffic Crash Reconstruction – Update (2016)
Traffic Crash Reconstruction 2, Northwestern University Center for Public Safety (2016)
Traffic Crash Reconstruction 1, Northwestern University Center for Public Safety (2016)
PC-Crash (v9.1): Essentials - Latest Features (2015)
Traffic Crash Investigation, Northwestern University Center for Public Safety (2015)
Engineering-In-Training (EIT) Certified, National Council of Examiners for Engineering and Surveying (2010)
Traffic Flow Theory Committee at the Transportation Research Board (2012 – Current)
Leica High-Definition Laser Scan Surveying (2004)

TEACHING, ACADEMIC LECTURES, AND PRESENATIONS

Past Courses Offered (The George Washington University, Washington, DC):

Highway Design; Advanced Demand Modeling; Introduction to Transportation Engineering, Engineering Computations; Sustainable Urban Dynamics; Intelligent Transportation Systems

One on one presentations given at the request of:

Ed Gillespie – Candidate for Governor of Virginia (2016)
Major John Bell – Delegate, 87th District, Virginia (2016)
David Birtwistle – CEO, Northern Virginia Transportation Alliance (2015)
Barbara Comstock – Congresswoman, 10th District, Virginia (2015)

Academic Lectures:

"Being an Expert Witness in The Field of Accident Reconstruction," Villanova University, Villanova, PA, October 2021

"Electronic Data for Investigations: Infotainment & Cell Phones, The Dynamic Duo," Webinar, Thomas Jefferson University, Philadelphia, PA, March 2021

"Driver Distractions, Cell Phones and In-Car Devices," Philadelphia University + Thomas Jefferson University, East Falls, PA, March 2020

Expert Consultation for Civil Trial Fact Pattern Involving Self-Driving Vehicles, Trial Advocacy at Temple Law, Philadelphia, PA, February 2020

"Applied Forensics: Collision Reconstruction," Philadelphia University, Philadelphia, PA, April 2019

"Application of New Technology in Collision Reconstruction," Trial Advocacy at Temple Law, Philadelphia, PA, March 2019

"Ambivalent Automation: Tesla. Uber and the Driverless Debacle" C2SMART Distinguished Speaker Series, New York University, New York, NY, April 2018

"Applied Forensics: Collision Reconstruction," Philadelphia University, Philadelphia, PA, January 2018

"Applications of Transportation Engineering in the World of Tort Litigation," Texas A&M Engineering Program, Houston, TX, November 2017

"The Role of Physics in Collision Reconstruction," AP Physics Class, Abington High School, Abington, PA, May 2017

"Where are you and What are you doing: Automotive and Truck Electronic Data "Black Box" and GPS Technology," Philadelphia University, Philadelphia, PA, March 2017

RELEVANT COURSEWORK (ACADEMICS)

Transportation Engineering: Advanced Transportation Demand Modeling; Regional Transportation Planning; Traffic Engineering and Highway Safety; Intelligent Transportation Systems; Vehicle Dynamics; Real World Crash Investigation; Crash Investigation and Analysis; Vehicle Standards and Crash Test Analysis.

Applied Mathematics: Analytical Methods in Engineering II; Analytical Methods in Engineering III; Analytical Mechanics; Introduction to Finite Element Analysis; Non-Linear Finite Element Analysis and Simulation.

Engineering Intelligent Systems: Control Systems; Intelligent Control Systems; Discreet Systems Simulation; Stochastic Foundations of Operations Research; Stochastic Processes in Engineering.

PROFICIENCY AREAS (ACADEMICS)

Transportation Safety; Evacuation Modeling and Disaster Management; Highway Design; Transportation System Analysis; Driver Behavior Modeling; Traffic Demand Modeling; Transportation Planning and Evaluation; Traffic Flow Theory; Intelligent Transportation Systems (ITS); Vehicular Collision Investigation and Reconstruction; Control Systems; Intelligent Control Systems; Discreet Systems; Operations Research; Applied Mathematics.

COMMUNITY SERVICE AND MENTORING

Community Service: "Science and Technology Engineering Day" Keynote presentation for high school students: 2013, 2014, 2015; Presentation for The George Washington University School of Nursing: 2014; "Schools Without Walls" presentation for high school students: 2013; McConnell Public Safety and Transportation Operation Center undergraduate field trip – Assistant organizer: 2012, 2013; Youth hockey and golf coaching experience.

Mentoring: Mentor for graduate students: 2011–2016; Mentor for summer undergraduate interns: 2011–2016; Teaching Assistant (Introduction to Transportation Engineering; Engineering Computations – 6 total classes): 2010–2015.

PUBLICATIONS, PRESENTATIONS, AND MEDIA APPEARANCES

Provided upon request.

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