



Dr. R. Edward Minchin Jr., P.E., A.L.M.

Holland Professor

M.E. Rinker Sr. School of Construction Management

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AREAS OF SPECIALIZATION

Dr. Edward Minchin is currently Holland Professor of Construction Management at the M.E. Rinker Sr. School of Construction Management at the University of Florida. He developed and taught a graduate course entitled “Methods for Graduate Research,” for seven years, and now teaches graduate and undergraduate courses in Heavy / Civil / Industrial Construction, a course in the History of Construction, and a graduate class in Construction Project Management. A builder of programs, Dr. Minchin started from scratch a Heavy/Civil Construction Management Program at the Rinker School that includes four course sections, an established, well-known, and respected Infrastructure Construction research program, and a multiple award winning student competition team. He also designed an Executive Master’s Degree Program for the Rinker School. Before entering academia, he designed and executed the first Quality Assurance Program for the Florida Department of Transportation’s now \$4 Billion annual construction budget.

In a 36-year career, Dr. Minchin has worked as part of eight major areas of the construction process. **He has been a laborer, construction contractor, designer, inspector, construction owner, researcher, consultant, and adjudicator.**

After working as an estimator for a major highway construction **contractor**, Dr. Minchin joined the Florida Department of Transportation (FDOT) as a **designer**. In that capacity, Dr. Minchin was involved in the design of highways, bridges and storm drainage systems. He is registered as a Professional Engineer in the state of Florida and is Designer-of-Record for an earth dam in Okaloosa County, Florida and the county road that runs across the top of the dam.

After leaving the design area, Dr. Minchin re-entered the construction area, working as a construction **inspector**, then Resident Construction Engineer, where he was in responsible control of all highway and bridge construction in a four-county area, overseeing a workforce of 35 construction inspectors and project managers. This was the beginning of his time as an administrator, and he served as the “**owner**” of over 50 highway and bridge construction projects. Moving from the field to FDOT’s Central Construction Office, he rose to the position of Chief Area Construction Engineer (today called the Assistant State Construction Engineer).

In this position, he initiated FDOT's first Quality Assurance Program, participated in FDOT's pioneering \$50,000,000 Design-Build Pilot Study, served as a reviewer of FDOT's first Design-Build project Request for Proposals, and was responsible for the authoring and overseeing annual updates to FDOT's Construction Project Administration Manual, the book that FDOT used to administer their \$600,000,000 (now \$4billion-plus) annual transportation construction program.

As a **researcher**, Dr. Minchin's areas of expertise and research interest include Construction Supply Chain Integrity (emphasis on counterfeit materials and products), Alternative Construction Project Delivery Methods, and Construction Contract Disputes Resolution. He was recently awarded a University of Florida Research Foundation Professorship, an award bestowed on the Top 99 researchers (of approximately 5500) at the university. He has been part of almost \$4.5 million in research grants in his 23 years as a professor, almost \$3.0 million as PI. In that time, he has authored over 160 published manuscripts and reports, including over 120 refereed publications (two books, approximately 60 refereed journal papers, seven book chapters, over 40 refereed proceedings and two magazine articles). He has also reviewed almost 300 manuscripts for publication. Dr. Minchin's career as a researcher has been characterized by a narrowing of his Areas of Specialization from the many and varied areas that he pursued early in his career, to the more specialized research that he does today. After 14 years in industry, Dr. Minchin entered academia with several areas of interest. The first few years in academia saw a further broadening of his areas of specialization as he was exposed to more and more interesting research possibilities. However, the nearly 15 years spent at the Rinker School has seen Dr. Minchin's reputation grow to the point that he can be more selective of the activities in which he gets involved, including the research that he pursues and the papers that he writes. This has brought about a narrowing of his areas of specialization to include only those areas for which he has achieved the greatest repute. Dr. Minchin now spends over 90% of his research and consulting effort on three academic areas: 1) Alternative Methods for Construction Project Delivery and Administration; 2) Construction Supply Chain Integrity and Security (with an emphasis on counterfeit construction commodities), and 3) Construction Contract Claims Avoidance and Dispute Resolution. In the last seven years, Dr. Minchin has been invited to deliver four keynote speeches at construction management conferences in China, Canada, Panama and Thailand. Also, Dr. Minchin was recognized for the Best Paper at the top international construction conference in Finland (topic: Alternative Methods for Construction Project Delivery).

As a professor, Dr. Minchin has supervised (advised) 10 PhD students, graduating five. Three have joined university faculties in China, Jordan and Korea, one of which is Civil Engineering Department Chair. Two other graduated advisees are officially and properly credited to professors in the Civil and Coastal Engineering Department because the students graduated after Dr. Minchin transferred to the College of Design, Construction and Planning (DCP). One additional student has only to complete his thesis to be awarded his PhD in Civil Engineering,

and two others are current PhD students under Dr. Minchin in Construction Management. Only one of the 10 has discontinued efforts to obtain a PhD.

Dr. Minchin is certified by the state of Florida as a Professional Engineer and the International Disputes Resolution Foundation as a Disputes Resolution Board Member and a separate certification as Chair. As an **adjudicator**, he has served on Disputes Resolution Boards for 37 highway and bridge construction projects worth nearly \$1Billion, 15 as Chair.

EDUCATIONAL BACKGROUND

Institution	Field of Study	Degree	Area of Emphasis
Pennsylvania State University	Civil Engineering	Doctor of Philosophy (PhD)	Construction Management
Harvard University	Liberal Arts	Master of Liberal Arts (ALM)	History
University of Florida	Civil Engineering	Master of Engineering (ME)	Construction Management
University of Florida	Civil Engineering	Bachelor of Science (BSCE)	Construction Management
Chipola College	Pre-Engineering	Associate of Arts (AA)	Pre-engineering

EMPLOYMENT

Academic Employment:

Institution	Position	Dates	Status
Univ. of Cambridge (UK)	Academic Fellow	Dec. 2022 - Present	Non-tenure Accruing
University of Florida	Professor	Aug. 2013 - Present	Tenure
University of Florida	Interim ASO Director Rinker School of C.M.	July, 2017 – July, 2018	n/a
University of Florida	Director of Master's Programs, Rinker	Aug. 2011 – July, 2018	n/a
Northeastern University	Visiting Scholar	Aug. 2015 – Aug. 2016	Non-tenure Accruing
University of Florida	Associate Professor	Aug. 2007 – Aug. 2013	Tenure
University of Florida	Assistant Professor	Aug. 2001 – Aug. 2007	Tenure Accruing
Iowa State University	Assistant Professor	Aug. 1999 – Aug. 2001	Tenure Accruing
PA Transportation Inst.	Faculty Associate	Aug. 1996 – Aug. 2000	Non-tenure Accruing
Penn State University	Lecturer	Aug. 1996 – Aug. 1998	Non-tenure Accruing

Industry Employment:

Florida Department of Transportation Nov 1992 - Aug 1996	Tallahassee, Florida	Chief Area Construction Engineer (Asst. State Const. Engr.)
Florida Department of Transportation Jun 1987 - Nov 1992	Crestview, Florida	Resident Construction Engineer
United States Navy Civil Engineer Corps Apr 1986 - Sep 1994	Jacksonville and Tallahassee, Florida	Reserve Officer - Const. Battalion
Florida Department of Transportation Dec 1985 - Jun 1987	Lake City, Florida	Drainage Design Engineer
Couch Construction Inc. Aug 1984 - Feb 1985	Tampa, Florida	Estimator
Florida Department of Transportation Jun 1977 - Dec 1981	Chipley and Gainesville, Florida (9 academic terms as full-time employee during this time)	Cooperative Engineering Employee

PROFESSIONAL REGISTRATIONS

- Professional Engineer, State of Florida, #38739
- Member (Life), American Society of Civil Engineers
- Certified Chair, Disputes Resolution Board, Disputes Resolution Foundation
- Certified Member, Disputes Resolution Board, Disputes Resolution Foundation