

## Operational Leadership | Civil Engineering | Transportation

Executive with 30+ years of expertise, which began as a civil engineer, conducting and overseeing research and publishing results related to public works operations. Promoted to the Director of the University of Texas Center for Teaching, bringing innovation to campus by revamping the entire engineering curriculum to align with national and international standards. Recruited to be Director of Public Works, delivering executive leadership and expertise to the Highway Maintenance Community. Launched innovative start-up to bring scientific research and best practices into existing public works member groups in seven states. Top priorities were managing forward-looking priorities, spearheading collaboration and solutions, and managing complex operations during challenging times by bringing fresh ideas.

### Supervising

Relationship Building | Teamwork  
Performance | Change Management  
Collaborator | Directing

### Engineering

Facility Maintenance | Safety  
Capital Projects  
Transportation | Transit

### Director of Teaching

University-level Teaching  
Public Speaking Expert  
Practical Research | Creativity

## Highlights & Accomplishments

### Winter Maintenance Operations | Public Works

- ⇒ Spearheaded organizational activities and streamlined communication with the winter maintenance community.
- ⇒ Oversaw planning, organizing, and directing changes whereby public works agencies could evaluate their winter maintenance operations' sustainability—developed an agile vision allowing each agency to examine its operational procedures and determine best practices. Public Works metrics were defined locally to meet community priorities, using an online portal to measure progress in sustainability over time.

## Professional Experience

### Professional Member Association

*President*

**2019–Present**

*Naples, FL*

- Responsible for building and maintaining membership, which consists primarily of corporations and agencies. Recruit new members and help existing members stay engaged.
- Author comprehensive research, pulling out the most relevant, applicable, and useful information and present it in a way that is easily captured and applied by all. Write several columns for trade magazines and lecture on best practices at venues all around North America.
- Manage numerous professional groups, such as the American Works Association, Research Board, and various international groups—establishing a global presence.
- Experience in performing administrative work and serving as the association's President, providing leadership and strategic direction while completing executive, administrative, and professional work.

### Integrated Technologies LLC

*President*

**2001–Present**

*Naples, FL*

- Consulting and training company to teach and research the area of highway maintenance. I have offered training in 7 different states for nearly two decades and conducted about 20 various research projects.
- Served as an expert witness and consultant in 50 different crash cases. Advised on complex depositions related to crashes with careful attention to detail.
- Completed detailed analysis and reporting for deposition phase of complex court cases.

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| <b>Institute of Engineering</b><br><i>Vice President</i>   | <b>2015–2019</b><br><i>Naples, FL</i> |
| <ul style="list-style-type: none"><li>• Provided executive leadership, coaching, and professional presentations to the maintenance and engineering community – outlining the benefits, best practices, and methods to get the most out of product usage while working in partnership with the community as a whole.</li><li>• Spearheaded a wide array of community activities—delivering key contributions to the leadership team by driving innovation and collaboration for all association members.</li><li>• Communicated vital information to member companies through mentoring, meetings, and written publications.</li><li>• Liaised organizational research and established data systems that yielded information of interest and value to the Institute and its member companies.</li><li>• Empowered users on budget and environmental obstacles and utilize resources to their fullest potential by emphasizing safety and commerce benefits of practical use. Established Safety Working Group to create a safer working environment for all stakeholders.</li><li>• Instructed the use of safety handbooks as an invaluable resource for the winter maintenance community in North America, including periodic reviews of both publications.</li><li>• Generate change management in transforming Safety Awards at the Institute. Led initiatives via the creation of an industry-wide compliance task force on safety for the awards to be active and forward-looking (avoid collisions and minimize near misses).</li></ul> |                                       |

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| <b>University of Illinois</b><br><i>Faculty Member</i>  | <b>1987–2015</b><br><i>Chicago, IL</i> |
| <ul style="list-style-type: none"><li>• Chaired the college committee that revamped the whole curriculum to benefit the engineering community's changing needs.</li><li>• Worked with national and international organizations to share information and ensure that research efforts were focused and impactful.</li><li>• Reviewed the curriculum for students to ensure that their educational experience was relevant to future careers and included appropriate instruction that would allow them to develop critical thinking and ethical analysis skills.</li><li>• Served as a Director of the University's Center for Teaching. Provided and directed development opportunities for all involved in instruction at the University of Illinois and actively interacted with Directors for Teaching at other universities.</li><li>• Directed graduate and undergraduate students in research projects, leading them to create final reports on their projects, which in some cases served as theses for either their Doctoral or their Master's exams.</li></ul> |  |

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| <b>Northwestern College</b><br><i>Research Assistant Professor</i>   | <b>1984–1987</b><br><i>Chicago, IL</i> |
| <ul style="list-style-type: none"><li>• Researched ice mechanics, gained experience writing up experiments, publishing academic journals results, and writing proposals for additional research funding.</li></ul> |  |

## Education

### University of Texas

Ph.D. Degree in Engineering

Bachelor's Degree in Engineering

Licensed Professional Engineer in the State of Texas

## Licensure

Licensed Professional Engineer in the State of Texas