

# Paul Babin, Ph.D.

Assistant Professor of Business  
Covenant College  
14049 Scenic Highway  
Lookout Mountain, GA 30750  
Paul.Babin@covenant.edu

## SUMMARY

Executive and educator with 40 years of industrial and academic experience. Lifelong learner with three master's degrees (including an MBA with a concentration in finance) and the Ph.D. in Industrial and Systems Engineering.

## TEACHING EXPERIENCE

August 2023 ... **Covenant College** Lookout Mountain, GA  
Assistant Professor Business – starting Fall 2023 – teaching Business Statistics and Finance courses.

2023 **Covenant College** Lookout Mountain, GA  
Adjunct Faculty – Spring 2023 - FIN 350 – Investments

2009 - 2012 **Christian Brothers University** School of Engineering  
Taught 7 semesters of Electrical and Computer Engineering undergraduate classes

2007-2010 **University of Memphis** Fogelman School of Business  
Taught 3 semesters of Business Statistics in the MBA and undergraduate business programs

2004-2006 **University of Phoenix** Memphis Campus  
Taught 9 classroom sections of Statistics for Management in the MBA program

1991 - 1993 **Southwest Tennessee Community College** - Memphis Campus and Carrier Training Center  
Taught 4 semesters of Statistical Process Control in the Associates Degree program

## EDUCATION

2015 Mississippi State University Doctor of Philosophy

- Ph.D. in Industrial & Systems Engineering
- *Simulation modeling and analysis of adjustable service-rate queueing models that incorporate feedback control.*

2003 Christian Brothers University Master of Business Administration  
■ *Finance (included 5 graduate courses in finance, including Investment Theory/Portfolio Management, Managerial Finance, Special Topics (Investment Portfolios), Advanced Topics in Finance, and Financial Statement Analysis.*

1994 University of Memphis Master of Science in Industrial and Systems Engineering

1987 University of Tennessee Knoxville Master of Engineering - Electrical Engineering

1982 Christian Brothers University Bachelor of Science - Electrical Engineering

## PROFESSIONAL EXPERIENCE

April 2022 – June 2023 **KION/Dematic Supply Chain Solutions** / wfh Lookout Mountain, Tennessee  
*Product Quality Expert – Global Quality Assurance*

February 2020 – April 2022 **KION/Dematic Supply Chain Solutions** Atlanta, Georgia / wfh Tennessee  
*Senior Director – Product Sustaining and Optimization – Product Development - Mechatronics*

October 2019 – May 2023 **Mississippi State University** – Center for Advanced Vehicular Systems Ext.

*Assistant Research Professor – part time*

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|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| August 2019 – May 2020        | <b>Process Insights Limited Liability Company</b><br><i>Principal Consultant</i>                                                                     | Atlanta, Georgia |
| November 2016 – May 2019      | <b>Thyssenkrupp North America, Inc.</b><br><i>Director of Technology, Innovation &amp; Sustainability</i>                                            | Atlanta, Georgia |
| November 2013 – October 2016  | <b>Thyssenkrupp Elevator Innovation GmbH</b><br><i>Global Manager Test and Qualification</i>                                                         | Essen, Germany   |
| December 2012 – November 2013 | <b>Thyssenkrupp Elevator Manufacturing</b><br><i>Vice President – Test &amp; Qualification</i>                                                       | Memphis, TN      |
| March 2012 – December 2012    | <b>Thyssenkrupp Elevator Manufacturing</b><br><i>Vice President – Product Management</i>                                                             | Memphis, TN      |
| November 2010 – March 2012    | <b>Thyssenkrupp Elevator Manufacturing</b><br><i>Sr. Director of Quality and Operations Excellence</i>                                               | Memphis, TN      |
| April 2009 – March 2012       | <b>Paul Babin Consulting</b><br><i>Engineering Consultant</i>                                                                                        | Collierville, TN |
| April 2009 – March 2012       | University of Tennessee – Center for Industrial Services<br><i>Industrial Engineering Consultant</i>                                                 | Memphis, TN      |
| 2006 - 2009                   | <b>Mimeo.com, Inc.</b><br><i>Director of Engineering</i>                                                                                             | Memphis, TN      |
| 1999 - 2006                   | <b>Mueller Industries, Inc.</b><br><i>Program Manager – Strategic Engineering Services</i>                                                           | Memphis, TN      |
| 1995 - 1999                   | <b>Dover Elevator Systems</b> (now Thyssenkrupp Elevator)<br><i>General Manager - Research and Development</i>                                       | Horn Lake, MS    |
| 1995 (Feb - Nov)              | <b>Dover Elevator Systems</b> (now Thyssenkrupp Elevator)<br><i>Product Line Director</i>                                                            | Horn Lake, MS    |
| 1987 - 1995                   | <b>Dover Elevator Systems</b> (now Thyssenkrupp Elevator)<br><i>Quality Manager</i>                                                                  | Walnut, MS       |
| 1982 - 1987                   | <b>Texas Instruments, Inc.</b> (now Siemens Industrial Automation)<br><i>Design Engineer – Industrial Systems Division – New Product Development</i> | Johnson City, TN |

PROFESSIONAL  
SOCIETIES &  
ACTIVITIES

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- American Finance Association – 2023
- Financial Management Association International - 2023
- Christian Brothers University – Board of Trustees 2001-2004
- ASCM (Association for Supply Chain Management) – CSCP Certification
- PMI (Project Management Institute) – PMP Certification
- ASQ (American Society for Quality) – Senior Member – Six Sigma Master Black Belt Certification
- IIE (Institute for Industrial Engineering) – Senior Member
- TN Professional Engineering License

RECENT  
PUBLICATIONS  
AND  
PRESENTATIONS

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- Presentation: (2022). “Root Cause Analysis (RCA) Best Practices in Mechatronics Systems”, IISE Lean Six Sigma and Data Science conference, September 2022, Atlanta GA.
- Conference Paper: Paul Babin and Ardi Ghorashy (2019). “Leveraging Organizational Change Management to Strengthen Benefit Delivery in Innovation”, Proceedings of the 2019 IEEE TEMSCON, Atlanta, GA, June 2019.
- Presentation: (2019). Industry Panel Member, “Innovation oriented entrepreneurship during the 4<sup>th</sup> industrial revolution”, Industry Forum 2019 IEEE TEMSCON, Atlanta, GA, June 2019.
- Presentation: (2019). “Change Management for Innovation Leaders”. GA Tech Manufacturing Institute Lunch Seminar, Atlanta, GA, February 8, 2019.
- Online Presentation: (2019). “People: Making the difference between invention and innovation”, IIL Online Innovation Leadership Conference, New York, video-taping January 31, 2019.
- Presentation: (2018). “The people side of Manufacturing 4.0: Cultural Transformation through change management”, IMPACT Manufacturing Summit, Schaumburg, IL. October 24-26, 2018.
- Presentation: (2018). “Cultural Transformation through change management”, IoT World Atlanta, October 30, 2018.
- Book chapter: (2018) “Innovation in Action – Thyssenkrupp” for Innovation Project Management to be published by John Wiley & Sons, Inc. submitted October 15, 2018. Harold Kerzner editor.
- Presentation: (2018). “Using intercultural awareness to drive Six Sigma results”. IISE Engineering Lean Six Sigma conference, Atlanta, GA, September 25, 2018.
- Workshop: (2018). “Cultural difference – a six sigma perspective”, Thyssenkrupp Operational Excellence Days – interactive workshop, Essen, Germany. June 22, 2018.
- Presentation (2018). Enhancing elevator service with MAX, Machine Learning at Thyssenkrupp. Berkeley Innovation Forum, San Francisco, CA. April 11, 2018.
- Presentation (2018). Machine Learning at TK. Emerson AI symposium, Dayton, OH, April 9, 2018.
- Presentation (2018). Thyssenkrupp North America, Manufacturing Challenges and Opportunities, GA Tech Manufacturing Seminar, January 29, 2018.
- Presentation (2016). “Innovation at Thyssenkrupp Elevator”. Product Innovation Forum, Munich Germany. March 9, 2016.
- Conference Paper: Paul Babin and A. G. Greenwood (2015). “Incorporating truncated exponential distributions in queueing models with adjustable service-rate control”. Proceedings of the 2015 Winter Simulation Conference. Huntington Beach, CA.
- Conference Paper: Paul Babin and A. G. Greenwood (2015). “Implementing PID control for adjustable service-rate queueing system simulations”. Computers in Industrial Engineering Conference. Metz, France.
- Conference Paper: Paul Babin and A. G. Greenwood (2015). “Applying cost measures for adjustable service-rate queueing simulation models”. Industrial and Systems Engineering Research Conference. Nashville, TN.
- Conference Paper: Paul Babin and A. G. Greenwood (2015). “Applying variance performance measures for variable service-rate queueing simulation models” Industrial Engineering and Operations Management (IEOM) Conference. Dubai, UAE.
- Magazine Article: Paul Babin and A. G. Greenwood (2011). “Discretely Evaluating Complex Systems”. Industrial Engineer, IIE: 34-38.
- Presentation: (2010). ASQ/IIE Joint Memphis Chapter Meeting, March 16, 2010, “Simulating Manufacturing Process Flow using FlexSim”.
- Presentation: (2010) “Simulating Manufacturing Process Flow using FlexSim”, ISM Memphis Chapter Meeting, March 30, 2010.
- Conference Paper: Paul Babin and Allen Greenwood (2009). “Practical Applications of Variable Rate Processing in Simulation Models at Mimeo.com”, Winter Simulation Conference, December 2009.
- Presentation: (2009). “Adding Simulation to your Lean Six-Sigma Toolkit”, IIE/ASQ Operational Excellence Conference, St. Louis, October 2009.

- Presentation: (2009). “Adding Simulation to your Lean Six-Sigma Toolkit”, IIE Memphis Chapter Meeting, October 15, 2009.
- Presentation: (2009). “The Corrupting Influence of Variability”, ASQ Memphis Chapter, May 19, 2009.
- Conference Paper: Clay Walden, Paul Babin, Allen Greenwood, and John Moore (2009). “Pilot Application of a Taxonomy Based Assessment Methodology for Small and Medium Size Manufacturing Enterprises,” Proceedings of the 2009 Industrial Engineering Research Conference, May 2009.
- Presentation: (2009). “Variable Rate Processing in Queueing System Simulation Models”, Memphis Area Engineering and Sciences Conference (MAESC), May 2009.
- Conference Paper: and Allen Greenwood (2008). “Discrete Event Simulation Aids New Lean Production System at Mimeo.com”, Winter Simulation Conference, December 2008.
- Conference Paper: Paul Babin and Allen Greenwood (2007). “Applying Variable Rate Processing to Queueing Simulation Models at Mimeo.com” Winter Simulation Conference, December 2007.
- Conference Paper: Paul Babin, A. G. Greenwood and M. Hamilton (2007). “Modeling variable rate processing in queueing simulations”. Industrial Engineering Research Conference. Nashville, TN
- Conference Paper: Paul Babin (2007). IIE/ASQ Lean and Quality Conference, September 2007, “Lean Visual Controls reduce Variability at Mimeo.com”.
- Conference Paper: Paul Babin (2007). “Improving Vibratory Finishing with Design of Experiments” Industrial Engineering Solutions Conference, May 2007.
- Conference Paper: Paul Babin (2006). “Using Simulation to Test a New Queue Prioritization System at Mimeo.com”, Winter Simulation Conference, December 2006.
- Conference Paper: Paul Babin (2006). “Six Sigma Process Improvement in the Supply Chain using SCOR”, Memphis Area Engineering and Sciences Conference (MAESC), May 2006.
- Conference Paper: Paul Babin (2005), “Using 6-Sigma Experimental Design Tools in Product Improvement Testing”, Memphis Area Engineering and Sciences Conference (MAESC), May 2005.
- Conference Paper: Paul Babin (2004). “The Ethics of E-Commerce Reverse Auctions”, Memphis Area Engineering and Sciences Conference (MAESC), May 2004.
- Presentation (2004). “Training Ethical Leaders”, CBU Engineering Management Honor Society (Epsilon Mu Eta), Guest Speaker, Feb 27, 2004.
- Conference Paper: Paul Babin and Doug Geyer (2001). “Building Balanced Scorecard Strategy Maps”, Memphis Area Engineering and Sciences Conference (MAESC), May 2001.
- US Patent 6,579,339 – Jun 17, 2003. Copper Scrap Processing System - continuation. Co-inventor with Tommy Jamison, Glenn Dennis & Allen Popetz