

# Joe Hahn

**Clinical Associate Professor, Department of Finance at The University of Texas at Austin, McCombs School of Business**

Austin, TX, US

Quantitative analysis for the purposes of modeling risky decision making, price forecasting, and valuation

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## Description

Warren Joseph (Joe) Hahn is an educator, engineer, strategist, and researcher who studies how operational decision-making can be optimized under uncertainty, and how such decisions impact firm performance and value. He looks at investments in both conventional and unconventional energy production, and decision analysis problems in a variety of other industries.

Hahn is a clinical associate professor in the department of finance at the McCombs School of Business, The University of Texas at Austin, where he serves as the associate director of the Master of Science in Finance program. Previously, he was an associate professor of decision sciences at Pepperdine University.

His industry experience includes work as a market analysis manager at Shell Trading Gas and Power, a strategy and planning advisor for BP America, and an area reservoir engineer for Vastar Resources. Hahn is a registered professional engineer and a member of the Society of Petroleum Engineers.

He is a member of the INFORMS Decision Analysis Society Council, and is a member of the editorial board of the Decision Analysis journal. He received the Howard A. White Award for Teaching Excellence at Pepperdine University, and is on the McCombs Faculty Honor Roll.

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## Industry Expertise

Plant Engineering and Operations, Oil and Gas, Energy

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## Topics

Financial Modeling, Strategic Planning, Computational Finance, Environmental Engineering, Petroleum Engineering, Decision Analysis, Pricing, Forecasts and Valuation, Capital Investment Strategies, Real Options, Models of Uncertainty, Valuation and Project Economics, Decision Optimization

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## Affiliations

INFORMS : Decision Analysis Society Council, Decision Analysis (Journal) : Editorial Board Member, Society of Petroleum Engineers: Member, United States Association for Energy Economics: Member

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## Past Talks

**A Copulas-Based Dependent Decision Lattice Approach**  
INFORMS Annual Meeting

## **Making Decisions With Multiple Attributes: A Case in Sustainability Planning**

INFORMS Annual Meeting

## **Parameter Estimation for Two-Factor Commodity Price Models**

INFORMS Annual Meeting

## **The Winner's Curse and Developing Optimal Auction Bidding Strategies Through Simulation**

INFORMS Western Regional Meeting

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## **Education**

### **The University of Texas at Austin**

Ph.D. Management Science and Information Systems

### **The University of Texas at Austin**

M.B.A. Business Administration

### **The University of Texas at Austin**

M.Sc. Environmental Engineering

### **The University of Texas at Austin**

B.Sc. Petroleum Engineering

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## **Accomplishments**

### **Faculty Honor Roll**

Awarded by the McCombs School of Business at the University of Texas at Austin.

### **Howard A. White Award for Teaching Excellence**

Awarded by Pepperdine University.

### **Bonham Fellowship**

Awarded by The University of Texas.

### **University Continuing Fellowship**

Awarded by the University of Texas.

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## **Testimonials**

### **David Wenger**

Joe Hahn is a decision analysis researcher and engineer who specializes in incorporating risk and uncertainty in the analysis of valuation problems in energy and other large-scale industries with complex ramifications.

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