

Stanford



J Duffie

Adams Distinguished Professor of Management, Senior Fellow at the Stanford Institute for Economic Policy Research, by courtesy, at the Hoover Institution and Professor, by courtesy, of Economics

Finance

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Professor, Finance
- Senior Fellow, Stanford Institute for Economic Policy Research (SIEPR)
- Professor (By courtesy), Economics
- Hoover Senior Fellow (By courtesy), Hoover Institution

LINKS

- My home page: <https://www.darrelduffie.com/index.cfm>

Teaching

COURSES

2023-24

- Debt Markets: FINANCE 320 (Win)
- Dynamic Asset Pricing Theory: FINANCE 622 (Aut)
- The Future of Money and Payments: BUSGEN 102 (Win)

2021-22

- China's Financial System: FINANCE 377 (Aut)
- Debt Markets: FINANCE 320 (Win)
- Dynamic Asset Pricing Theory: FINANCE 622 (Aut)
- Undergraduate Finance Research and Discussion Seminar: FINANCE 121 (Win)

2020-21

- China's Financial System: FINANCE 377 (Aut)
- Debt Markets: FINANCE 320 (Spr)
- Dynamic Asset Pricing Theory: FINANCE 622 (Win)
- Undergraduate Finance Research and Discussion Seminar: FINANCE 121 (Win)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Hala Moussawi, Lorenzo Rigon, Zachry Wang

Publications

PUBLICATIONS

- **Corporate Credit Risk Premia** *REVIEW OF FINANCE*
Berndt, A., Douglas, R., Duffie, D., Ferguson, M.
2018; 22 (2): 419–54
- **Size Discovery** *REVIEW OF FINANCIAL STUDIES*
Duffie, D., Zhu, H.
2017; 30 (4): 1095-1150
- **Central clearing and collateral demand** *JOURNAL OF FINANCIAL ECONOMICS*
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2015; 116 (2): 237-256
- **Reforming LIBOR and Other Financial Market Benchmarks** *JOURNAL OF ECONOMIC PERSPECTIVES*
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2015; 29 (2): 191-212
- **Information percolation in segmented markets** *JOURNAL OF ECONOMIC THEORY*
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- **Challenges to a Policy Treatment of Speculative Trading Motivated by Differences in Beliefs** *JOURNAL OF LEGAL STUDIES*
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- **Replumbing Our Financial System: Uneven Progress** *INTERNATIONAL JOURNAL OF CENTRAL BANKING*
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2013; 9: 251-279
- **Capital Mobility and Asset Pricing** *ECONOMETRICA*
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- **The exact law of large numbers for independent random matching** *1st PRIMA Congress*
Duffie, D., Sun, Y.
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- **Presidential Address: Asset Price Dynamics with Slow-Moving Capital** *JOURNAL OF FINANCE*
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- **The relative contributions of private information sharing and public information releases to information aggregation** *JOURNAL OF ECONOMIC THEORY*
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2010; 145 (4): 1574-1601
- **Information Percolation** *AMERICAN ECONOMIC JOURNAL-MICROECONOMICS*
Duffie, D., Giroux, G., Manso, G.
2010; 2 (1): 100-111
- **The Failure Mechanics of Dealer Banks** *JOURNAL OF ECONOMIC PERSPECTIVES*
Duffie, D.
2010; 24 (1): 51-72
- **Frailty Correlated Default** *JOURNAL OF FINANCE*
Duffie, D., Eckner, A., Horel, G., Saita, L.

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● **INFORMATION PERCOLATION WITH EQUILIBRIUM SEARCH DYNAMICS *ECONOMETRICA***

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2009; 77 (5): 1513-1574

● **Valuation in over-the-counter markets *REVIEW OF FINANCIAL STUDIES***

Duffie, D., Garleanu, N., Pedersen, L. H.

2007; 20 (6): 1865-1900

● **Information percolation in large markets *119th Annual Meeting of the American-Economic-Association***

Duffie, D., Manso, G.

AMER ECONOMIC ASSOC.2007: 203-9

● **Systemic illiquidity in the federal funds market *119th Annual Meeting of the American-Economic-Association***

Ashcraft, A. B., Duffie, D.

AMER ECONOMIC ASSOC.2007: 221-25

● **Multi-period corporate default prediction with stochastic covariates *JOURNAL OF FINANCIAL ECONOMICS***

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2007; 83 (3): 635-665

● **Common failings: How corporate defaults are correlated *JOURNAL OF FINANCE***

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● **Credit risk modeling with affine processes *JOURNAL OF BANKING & FINANCE***

Duffie, D.

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● **Over-the-counter markets *ECONOMETRICA***

Duffie, D., Garleanu, N., Pedersen, L. H.

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● **Estimation of continuous-time Markov processes sampled at random time intervals *ECONOMETRICA***

Duffie, D., Glynn, P.

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● **Large portfolio losses *FINANCE AND STOCHASTICS***

Dembo, A., Deuschel, J. D., Duffie, D.

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● **Affine processes and applications in finance *ANNALS OF APPLIED PROBABILITY***

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● **Liquidation risk *FINANCIAL ANALYSTS JOURNAL***

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● **Transform analysis and asset pricing for affine jump-diffusions** *ECONOMETRICA*

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● **A liquidity-based model of security design** *ECONOMETRICA*

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● **An econometric model of the term structure of interest-rate swap yields** *JOURNAL OF FINANCE*

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● **Hedging in incomplete markets with HARA utility** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*

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● **A term structure model with preferences for the timing of resolution of uncertainty** *ECONOMIC THEORY*

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● **STATIONARY MARKOV EQUILIBRIA** *ECONOMETRICA*

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● **MARTINGALES, ARBITRAGE, AND PORTFOLIO CHOICE** *1st European Congress of Mathematics*

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● **PRICING CONTINUOUSLY RESETTLED CONTINGENT CLAIMS** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*

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● **STOCHASTIC DIFFERENTIAL UTILITY** *ECONOMETRICA*

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- **PDE SOLUTIONS OF STOCHASTIC DIFFERENTIAL UTILITY** *JOURNAL OF MATHEMATICAL ECONOMICS*
Duffie, D., Lions, P. L.
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- **CORPORATE FINANCIAL HEDGING WITH PROPRIETARY INFORMATION** *JOURNAL OF ECONOMIC THEORY*
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- **THE CONSUMPTION-BASED CAPITAL-ASSET PRICING MODEL** *ECONOMETRICA*
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- **STOCHASTIC EQUILIBRIA - EXISTENCE, SPANNING NUMBER, AND THE NO EXPECTED FINANCIAL GAIN FROM TRADE HYPOTHESIS** *ECONOMETRICA*
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- **COMPETITIVE EQUILIBRIA IN GENERAL CHOICE SPACES** *JOURNAL OF MATHEMATICAL ECONOMICS*
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- **EQUILIBRIUM IN INCOMPLETE MARKETS .2. GENERIC EXISTENCE IN STOCHASTIC ECONOMIES** *JOURNAL OF MATHEMATICAL ECONOMICS*
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- **EQUILIBRIUM IN INCOMPLETE MARKETS .1. A BASIC MODEL OF GENERIC EXISTENCE** *JOURNAL OF MATHEMATICAL ECONOMICS*
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