

## Kenneth Judd

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### Bio

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#### ACADEMIC APPOINTMENTS

- Hoover Senior Fellow, Hoover Institution

### Publications

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#### PUBLICATIONS

- **The timing and location of entry in growing markets: subgame perfection at work** *RAND JOURNAL OF ECONOMICS*  
Bollinger, B., Doraszelski, U., Judd, K. L., McDevitt, R. C.  
2024
- **A simple but powerful simulated certainty equivalent approximation method for dynamic stochastic problems** *QUANTITATIVE ECONOMICS*  
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2023; 14 (2): 651-687
- **Statistical approximation of high-dimensional climate models** *JOURNAL OF ECONOMETRICS*  
Miftakhova, A., Judd, K. L., Lontzek, T. S., Schmedders, K.  
2020; 214 (1): 67–80
- **Dynamic stochastic games with random moves** *QME-QUANTITATIVE MARKETING AND ECONOMICS*  
Doraszelski, U., Judd, K. L.  
2019; 17 (1): 59–79
- **Solving an incomplete markets model with a large cross-section of agents** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*  
Mertens, T. M., Judd, K. L.  
2018; 91: 349–68
- **Stabilized Optimization Via an NCL Algorithm**  
Ma, D., Judd, K. L., Orban, D., Saunders, M. A.  
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SPRINGER.2018: 173–91
- **How to solve dynamic stochastic models computing expectations just once** *QUANTITATIVE ECONOMICS*  
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2017; 8 (3): 851–93
- **A NONLINEAR PROGRAMMING METHOD FOR DYNAMIC PROGRAMMING** *MACROECONOMIC DYNAMICS*  
Cai, Y., Judd, K. L., Lontzek, T. S., Michelangeli, V., Su, C.  
2017; 21 (2): 336-361
- **Computing Equilibria of Dynamic Games** *OPERATIONS RESEARCH*  
Yeltekin, S., Cai, Y., Judd, K. L.  
2017; 65 (2): 337-356
- **A nonlinear certainty equivalent approximation method for dynamic stochastic problems** *QUANTITATIVE ECONOMICS*  
Cai, Y., Judd, K., Steinbuks, J.

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- **A NOTE ON DETERMINING VIABLE ECONOMIC STATES IN A DYNAMIC MODEL OF TAXATION** *MACROECONOMIC DYNAMICS*  
Krawczyk, J. B., Judd, K. L.  
2016; 20 (5): 1395-1412
- **Dynamic programming with Hermite approximation** *MATHEMATICAL METHODS OF OPERATIONS RESEARCH*  
Cai, Y., Judd, K. L.  
2015; 81 (3): 245-267
- **Stochastic integrated assessment of climate tipping points indicates the need for strict climate policy** *NATURE CLIMATE CHANGE*  
Lontzek, T. S., Cai, Y., Judd, K. L., Lenton, T. M.  
2015; 5 (5): 441-444
- **Environmental tipping points significantly affect the cost-benefit assessment of climate policies** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Cai, Y., Judd, K. L., Lenton, T. M., Lontzek, T. S., Narita, D.  
2015; 112 (15): 4606-4611
- **Solving Dynamic Programming Problems on a Computational Grid** *COMPUTATIONAL ECONOMICS*  
Cai, Y., Judd, K. L., Thain, G., Wright, S. J.  
2015; 45 (2): 261-284
- **Smolyak method for solving dynamic economic models: Lagrange interpolation, anisotropic grid and adaptive domain** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*  
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- **Shape-preserving dynamic programming** *MATHEMATICAL METHODS OF OPERATIONS RESEARCH*  
Cai, Y., Judd, K. L.  
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- **Dynamic programming with shape-preserving rational spline Hermite interpolation** *ECONOMICS LETTERS*  
Cai, Y., Judd, K. L.  
2012; 117 (1): 161-164
- **Constrained Optimization Approaches to Estimation of Structural Models** *ECONOMETRICA*  
Su, C., Judd, K. L.  
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- **Avoiding the curse of dimensionality in dynamic stochastic games** *QUANTITATIVE ECONOMICS*  
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- **Bond Ladders and Optimal Portfolios** *REVIEW OF FINANCIAL STUDIES*  
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  - **STABLE AND EFFICIENT COMPUTATIONAL METHODS FOR DYNAMIC PROGRAMMING** *24th Annual Congress of the European-Economic-Association*  
Cai, Y., Judd, K. L.  
WILEY-BLACKWELL.2010: 626-34
  - **Computational suite of models with heterogeneous agents: Incomplete markets and aggregate uncertainty** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*  
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  - **CIM-EARTH: Framework and Case Study** *B E JOURNAL OF ECONOMIC ANALYSIS & POLICY*  
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