

# Stanford

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## Thomas Icard

Assistant Professor of Philosophy and, by courtesy, of Computer Science

### Bio

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#### ACADEMIC APPOINTMENTS

- Assistant Professor, Philosophy
- Assistant Professor (By courtesy), Computer Science
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)

#### PROGRAM AFFILIATIONS

- Symbolic Systems Program

#### LINKS

- Professor Icard - Department of Philosophy: <https://philosophy.stanford.edu/people/thomas-icard>

### Teaching

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#### COURSES

##### 2020-21

- Computability and Logic: PHIL 152, PHIL 252 (Spr)
- Logic Spring Seminar: PHIL 359 (Spr)
- Metalogic: PHIL 151, PHIL 251 (Win)
- What makes a good explanation? Psychological and philosophical perspectives: PHIL 350, PSYCH 293 (Aut)

##### 2019-20

- Mathematical Logic: PHIL 150, PHIL 250 (Aut)
- Metalogic: PHIL 151, PHIL 251 (Win)
- Randomness: Computational and Philosophical Approaches: CS 57N, PHIL 3N (Aut)
- Seminar on Logic & Formal Philosophy: MATH 391, PHIL 391 (Aut, Win)

##### 2018-19

- Topics in Logic, Information and Agency: PHIL 359 (Spr)

##### 2017-18

- Logic and Artificial Intelligence: CS 257, PHIL 356C (Win)
- Mathematical Logic: PHIL 150, PHIL 250 (Aut)
- Metalogic: PHIL 151, PHIL 251 (Win)

- Research Seminar on Logic and Cognition: PHIL 357 (Aut)

## STANFORD ADVISEES

### Doctoral Dissertation Reader (AC)

J.T. Chipman, John Turman

### Postdoctoral Faculty Sponsor

Joshua ORourke

### Doctoral Dissertation Advisor (AC)

Cristina Ceballos, David Gottlieb, Declan Thompson

### Doctoral (Program)

Duligur Ibeling

## Publications

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### PUBLICATIONS

- **Intention as commitment toward time** *ARTIFICIAL INTELLIGENCE*  
van Zee, M., Doder, D., van der Torre, L., Dastani, M., Icard, T., Pacuit, E.  
2020; 283
- **Expectations Affect Physical Causation Judgments** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-GENERAL*  
Gerstenberg, T., Icard, T.  
2020; 149 (3): 599–607
- **Why Be Random?** *Mind*  
Icard, T.  
2020
- **Calibrating Generative Models: The Probabilistic Chomsky-Schützenberger Hierarchy** *Journal of Mathematical Psychology*  
Icard, T.  
2020; 95
- **Bayes, Bounds, and Rational Analysis** *PHILOSOPHY OF SCIENCE*  
Icard, T. F.  
2018; 85 (1): 79–101
- **Inferring probability comparisons** *MATHEMATICAL SOCIAL SCIENCES*  
Harrison-Trainor, M., Holliday, W. H., Icard, T. F.  
2018; 91: 62–70
- **Normality and actual causal strength.** *Cognition*  
Icard, T. F., Kominsky, J. F., Knobe, J.  
2017; 161: 80-93
- **Indicative Conditionals and Dynamic Epistemic Logic** *ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE*  
Holliday, W. H., Icard, T. F.  
2017: 337–51
- **Pragmatic Considerations on Comparative Probability** *PHILOSOPHY OF SCIENCE*  
Icard, T. F.  
2016; 83 (3): 348-370
- **A note on cancellation axioms for comparative probability** *THEORY AND DECISION*  
Harrison-Trainor, M., Holliday, W. H., Icard, T. F.

2016; 80 (1): 159-166

- **Higher-Order Syllogistics** *19th International Conference on Formal Grammar (FG)*  
Icard, T. F.  
SPRINGER-VERLAG BERLIN.2014: 1–14
- **Information dynamics and uniform substitution** *SYNTHESE*  
Holliday, W. H., Hoshi, T., Icard, T. F.  
2013; 190: 31-55
- **Iterating semantic automata** *LINGUISTICS AND PHILOSOPHY*  
Steinert-Threlkeld, S., Icard, T. F.  
2013; 36 (2): 151-173
- **Inclusion and Exclusion in Natural Language** *STUDIA LOGICA*  
Icard, T. F.  
2012; 100 (4): 705-725
- **Provability and Interpretability Logics with Restricted Realizations** *NOTRE DAME JOURNAL OF FORMAL LOGIC*  
Icard, T. F., Joosten, J. J.  
2012; 53 (2): 133-154
- **A Topological Study of the Closed Fragment of GLP** *JOURNAL OF LOGIC AND COMPUTATION*  
Icard, T.  
2011; 21 (4): 683-696
- **Schematic Validity in Dynamic Epistemic Logic: Decidability** *3rd International Workshop on Logic, Rationality and Interaction*  
Holliday, W. H., Hoshi, T., Icard, T. F.  
SPRINGER-VERLAG BERLIN.2011: 87–96