

Stanford



Thomas Icard

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

Bio

ACADEMIC APPOINTMENTS

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

HONORS AND AWARDS

- Dean's Award for Achievements in Teaching, School of Humanities and Sciences (2019-2020)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

LINKS

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

Teaching

COURSES

2022-23

- Computability and Logic: PHIL 152, PHIL 252 (Spr)
- Metalogic: PHIL 151, PHIL 251 (Win)
- Minds and Machines: CS 24, LINGUIST 35, PHIL 99, PSYCH 35, SYMSYS 1, SYMSYS 200 (Aut)
- Topics in Philosophy of Action: Decision Theory and Planning Agency: PHIL 387 (Spr)

2021-22

- Levels of Analysis in Cognitive Science: PHIL 366, PSYCH 296 (Aut)
- Mathematical Logic: PHIL 150, PHIL 250 (Aut)
- Metalogic: PHIL 151, PHIL 251 (Win)
- Randomness: Computational and Philosophical Approaches: CS 57N, PHIL 3N (Win)

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)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Cristina Ceballos, Penn Lawrence, Chenxuan Luo, Soham Shiva, Imran Thobani

Doctoral Dissertation Advisor (AC)

David Gottlieb, Jacqueline Harding, Alexander Pereira, Declan Thompson

Doctoral Dissertation Co-Advisor (AC)

Atticus Geiger

Doctoral (Program)

Duligur Ibeling

Publications

PUBLICATIONS

- **An interaction effect of norm violations on causal judgment.** *Cognition*
Gill, M., Kominsky, J. F., Icard, T. F., Knobe, J.
2022; 228: 105183
- **Causal Distillation for Language Models**
Wu, Z., Geiger, A., Rozner, J., Kreiss, E., Lu, H., Icard, T., Potts, C., Goodman, N., ASSOC COMPUTAT LINGUIST
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2022: 4288-4295
- **Inference From Explanation** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-GENERAL*
Kirfel, L., Icard, T., Gerstenberg, T.
2021
- **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
- **On Open-Universe Causal Reasoning**
Ibeling, D., Icard, T., Adams, R. P., Gogate
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2020: 1233-1243
- **Probabilistic Reasoning Across the Causal Hierarchy**
Ibeling, D., Icard, T., Assoc Advancement Artificial Intelligence
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2020: 10170-10177
- **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
- **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