

Syllabus

课程名: **Logic In AI**

指导老师: 刘奋荣

助教: 吴小安

学期: **2019, Spring**

上课时间: **每周五 13:30 - 16:05**

上课教室: **清华大学新斋 324**

课程内容:

专题	报告人	时间	参考文献
Public Announcement Logic	Fenrong Liu	March 1	Baltag A, Moss L S. <i>Logics for epistemic programs</i> [J]. <i>Synthese</i> , 2004, 139(2): 165-224.
Dynamic Epistemic Logic (Action Model)	Yang Sun, Yiyan Wang	March 8	Baltag A, Moss L S. <i>Logics for epistemic programs</i> [J]. <i>Synthese</i> , 2004, 139(2): 165-224.
Belief Revision	Haibin Gui, Huanfang Dong	March 15	Baltag A, Smets S. <i>Dynamic belief revision over multi-agent plausibility models</i> [C] Proceedings of LOFT. University of Liverpool, 2006, 6: 11-24.
Group Knowledge Notions	Yi Wang (王轶)	March 23	Van Ditmarsch H, van Der Hoek W, Kooi B. <i>Dynamic epistemic logic</i> [M]. Springer Science & Business Media, 2007.
Knowing How	Yanjing Wang (王彦晶)	March 29	Wang Y. <i>A logic of goal-directed knowing how</i> [J]. <i>Synthese</i> , 2018, 195(10): 4419-4439.
清明放假		April 5	
Dynamic Preference Logic	Fenrong Liu	April 12	F. Liu: <i>Reasoning about Preference Dynamics</i> , Berlin: Springer, 2011.
Causality	Xiaoan Wu	April 19	Livengood J. <i>Actual causation and simple voting scenarios</i> [J]. <i>Nous</i> , 2013, 47(2): 316-345.

专题二	报告人	时间	参考文献
Pursuit of Platonic Tethering to the Truth: Learning Theory and It's Philosophical Foundations	Hanti Lin	April 23, 9:00 - 12:00	
Pursuit of Truth: The Learning-Theoretic Way from Logic to Statistics and Then to Machine Learning		April 24, 9:00 - 12:00	
Pursuit of Truth: The Learning-Theoretic Way from Logic to Statistics and Then to Machine Learning		April 25, 13:30 - 16:30	
Pursuit of Truth in the Face of Severe Underdetermination (I): A Case Study on Full Enumerative Induction		April 26, 13:30 - 16:30	
Pursuit of Truth in the Face of Severe Underdetermination (II): A Case Study on Causal Discovery without Faithfulness or the Like		April 27, 13:30 - 16:30	
杭州会议		May 5	

专题三	报告人	时间	参考文献
Research Seminar: Temporal Logic I Likely themes: A-series versus B-series languages, rigidification	Patrick Blackburn	May 24, 13.30 - 16.00	
Research Seminar: Temporal Logic II Likely themes: Referential and multi-dimensional approaches, branching time and real possibility		May 31, 13.30 - 16.00	
Belief and Argumentation	Chenwei Shi	June 7 , 13.30 - 16.00	Chenwei Shi, Sonja Smets, Fernando R. Velázquez-Quesada: Beliefs Based on Evidence and Argumentation. WoLLIC 2018: 289-306