

# 合作推理

## REASONING ABOUT COOPERATION

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时 间: **2017年6月2日(周五) 19:00-21:00**

地 点: **逻辑与智能研究中心3203**

### ABSTRACT

The lecture will be a tutorial on reasoning about coalitional ability of the type “Macron and Merkel can together save the environment, no matter what Trump does”.

I will introduce alternating-time temporal logic (ATL) and coalition logic, two prominent modal logics for reasoning about coalitional ability. ATL can be seen as an extension of both coalition logic and of the branching-time temporal logic computational tree logic (CTL). There is also a close connection to game theory. I will focus on the relationship between ability, memory, and knowledge.

\* 挪威卑尔根大学计算机系、信息科学系教授，西南大学逻辑与智能研究中心兼职教授。主要从事于多主体系统、认知逻辑、博弈论和社会选择等交叉领域的研究。目前担任多主体系统欧洲联合会 (EURAMAS) 和挪威人工智能学会理事会理事，多主体系统可计算性逻辑 (CLIMA) 国际大会和多主体系统中的逻辑 (LAMAS) 等国际会议的指导委员会委员。

