

## **Combining knowledge and contingency**

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In this talk, two different families of modal concepts are combined in order to investigate interactions of metaphysical and epistemic modalities. Considering epistemic logics and its main concept of knowledge from one side, and logics of contingency and the concept of "contingency" from another side, the work intends to study statements containing at the same time the modality of knowledge and the modality of contingency. Such approach allows the understanding and, consequently, logical analysis of philosophical positions such as the skeptical thesis according to which "All contingent propositions are not known."

The basic methodology used to combine both families of concepts is a method for combining logics studied by some logicians (Kracht, Wolter, Fine, Schurz, Gabbay) and called fusion of modal logics. In this work, fusions of epistemic and alethic modal logics are studied in order to show how one can apply it to the analysis of philosophical theories containing interactions of modalities.