

# MSc thesis defense presentation

## Ιωάννης Κοκκίνης defends his MSc thesis

<b>Date:</b>	Δευτέρα, 06 Απρ 2015
<b>Ώρα:</b>	09:30-10:30
<b>Location:</b>	<a href="#">Εθνική και Καποδιστριακή Πανεπιστήμιο</a> <a href="#">Αθηνών, Τμήμα Μαθηματικών, room A11</a> <a href="#">Συστήματα Ακολουθητών με</a>
<b>Thesis title:</b>	<a href="#">Υποσημειώσεις για τη Γραμμική Χρονική Λογική</a> <ul style="list-style-type: none"><li>• <a href="#">Νικόλαος Παπασπύρου</a></li></ul>
<b>Committee:</b>	<ul style="list-style-type: none"><li>• <a href="#">Παναγιώτης Ροντογιάννης</a></li><li>• <a href="#">Ευσταθίου Ζήχος</a></li></ul>

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### Thesis abstract

Annotated sequents provide an elegant approach for the design of deductive systems for temporal logics. Their proof theory, however, is notoriously difficult. Until recently it was not even clear how to syntactically show the admissibility of weakening. In this thesis we present a cut-free, finitary sequent system for linear temporal logic, based on annotated sequents. We present proofs for soundness and completeness and also present a purely syntactical proof for the admissibility of weakening in the aforementioned system. Furthermore, we investigate the role of cut in annotated sequent systems.

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