

# MSc thesis defense presentation

## Theodoros Papamakarios defends his

### MSc thesis

<b>Date:</b>	Wednesday, 19 Jul 2017
<b>Time:</b>	13:00
<b>Location:</b>	School of Electrical and Computer Engineering (old buildings), 1.1.31
<b>Thesis title:</b>	<a href="#">Proof Complexity: A Tableau Perspective</a>
<b>Committee:</b>	<ul style="list-style-type: none"><li>• <a href="#">Antonios Achileos</a></li><li>• <a href="#">Stavros Kosmadakis</a></li><li>• <a href="#">Aristeidis T. Pagourtzis</a></li><li>• <a href="#">Efstathios Zachos</a></li></ul>

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### Thesis abstract

The method of semantic tableaux (or simply tableaux) is arguably one of the most elegant proof systems. Unfortunately, it hasn't received much attention in the proof complexity literature, mainly due to early negative results, concerning the complexity of cut-free tableaux. We bring tableaux to the fore, introducing the measures of tableau depth and width. Equipped with these, we show in an elegant, uniform way several known results spanning proof complexity, from a tableau viewpoint.

Download date: 2023-11-29, 13:51.