



**Simposio Internacional: El legado de Alan Turing**  
***International Symposium: The Alan Turing legacy***

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**Logic as the continuation of computer science by other means**

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In this talk I will argue that computer science is effectively a continuation of logic. Nearly all parts of computer science are actually underpinned by Logic, but more than that, many computer science areas can be seen as further developments of logic, contributing to the discipline of logic in their own right. We give examples ranging from complexity theory to software engineering. Alan Turing's work was most fundamental to the transition from logic to computer science. This will be illustrated on the example of Turing machines and their translations into logical theories for computing.

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