

ANUNCIO DE CONFERENCIA

Towards an Algebra of Contracts

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Facultad de Informática
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Entrada libre hasta completar el aforo

Resumen:

The formalisation of legal contracts has proved to be a particularly challenging domain in computer science. In particular when considering the interrelation of deontic operators in contracts between interacting parties, most work focusses on only one of the parties involved. In this talk, I will be presenting a formalism for the description and analysis of evolving contracts regulating the behaviour between interacting parties, and show how this can be used to build an algebra of contracts.

Furthermore, I will be showing how such a formalism can be used to monitor and support automated contract analysis.

Sobre Gordon Pace:

Gordon Pace is a Professor and Head of Department of Computer Science of the University of Malta where he has been a faculty member since 2002. He completed his DPhil in Oxford in 1998, and has also worked at Chalmers University in Gothenburg, Sweden, Laboratoire Verimag in Grenoble, France, INRIA Rhone-Alpes, France and Universidad de Buenos Aires, Argentina. His research interests lie in the field of formal methods, currently mostly working on runtime verification, contract analysis and domain-specific languages. He has collaborated with various colleagues on various other areas related to computer science, including functional programming, natural language processing, automated music analysis and bioinformatics. He is the author of *Discrete Mathematics for Computer Science*, an undergraduate textbook in mathematics of discrete structures, and various journal and conference papers. He enjoys far too many things beyond computer science to include in the last sentence of his bio.