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Fernando Rosa Velardo has a degree in Mathematics from the Universidad Complutense de Madrid since 2002, where he was awarded a pre-doctoral scholarship to write his doctoral thesis, under the supervision of Professor David de Frutos. He is a doctor by the Computer Science Research PhD program since November 2007. He was Assistant Teacher in the Department of Computer Systems and Computing from 2004 to 2008, Assistant Professor from 2008 to 2013, and Associate Professor since then. In January 2010, he was a visiting professor at the École Normale Supérieure de Cachan.

His research is aimed at the analysis and verification of concurrent and distributed systems, through the study of formal methods and with special attention to the study of the decidability and, where appropriate, the complexity of the verification of properties of such systems. In particular, he is interested in formal models that do not abstract from certain characteristics of the systems under study, which makes the associated state space infinite.

He is co-author of about thirty publications, of which 11 are publications in JCR-indexed journals and 10 are publications in CORE-rated international conferences. He has directed a doctoral thesis (María Rosa Martos Salgado) on verification of Petri net extensions with costs and time, which was defended in January 2016.

In 2009 he received together with David de Frutos the best paper award in the congress "Petri Nets 2009", for the paper "Decidability Results for Restricted Models of Petri Nets with Name Creation and Replication".

He is a reviewer for many specialized journals and international congresses of recognized prestige.