

# A type-theoretic approach to proof support for algebraic design frameworks

UNIVERSITAT POLITÈCNICA DE CATALUNYA  
DEPARTAMENT DE LLENGUATGES I SISTEMES INFORMÀTICS

Tesi doctoral presentada per

**Nikos Mylonakis**

per optar al títol de Doctor en Informàtica

Direcció: **Fernando Orejas**

Barcelona, 30 de Juny de 2000

# Acknowledgements:

I would like to thank first Fernando Orejas, my supervisor, for his support, guidance and for introducing me to the international community of algebraic specifications. Second, I would like to thank the whole Laboratory of Foundations of Computer Science at the University of Edinburgh, for their help during my long and difficult visit for more than three years. Special thanks go to Don Sannella for the weekly meetings which we had while I was there. Third but not last, I would like to thank my family for their love and support and my aunt Kalliope Mylonakis also for her support while I was doing my alternative social service to the military service at the University of Edinburgh...