### UNIVERSITÀ DI PISA

Scuola di Dottorato in Ingegneria "Leonardo da Vinci"



# Corso di Dottorato di Ricerca in INGEGNERIA DELL'INFORMAZIONE

Tesi di Dottorato di Ricerca

# DESIGN AND VALIDATION OF ELECTRONIC SYSTEMS FOR SENSOR CONDITIONING

Autore:	
Massimiliano Melani	
Relatori:	
Prof. Luca Fanucci	
Prof. Roberto Saletti	

#### A mia Madre e mio Padre

## **ACKNOWLEDGEMENTS**

Several people supported me in pursuing the course of my Ph.D. studies and I wish to thank them all. I want to thank my mother and my father for their unquestionably care they spend throughout my life and my lady for her beloved sustain.

Then, my gratitude goes to my tutor Prof. Luca Fanucci and Prof. Roberto Saletti both for their precious technical help, for the several chances of professional improving they provided to me, and their friendship.

A special thank goes to the SensorDynamics AG design centre of Navacchio in particular Eng. Marco De Marinis who believed in my work

Great thanks go finally to all my friends who contributed to make these last three years unforgettable.

.