

**Curriculum Vitae - short  
December 2006**

**João Filipe Lacerda Matos**

**1. Academic**

Post-doc degree (*Agregação*) in Education [University of Lisbon, 2000]  
PhD in Education – Mathematics Education [University of Lisbon, 1991]  
MSc in Mathematics [University of Lisbon, 1982]  
Degree in Mechanics Engineering [Instituto Superior Técnico - Lisbon, 1972]

**3. Position**

Professor of Education, Department of Education, Faculty of Sciences of the University of Lisbon  
Invited Professor of Education at the Institute of Education, Catholic University of Portugal  
Invited Professor of Education at Inter-University Institute of Macao, Republic of China

**4. Teaching**

4.1. Master and PhD programmes

At the University of Lisbon, University of Madeira, University of Azores, Catholic University of Portugal, Inter-University Institute of Macao, Portuguese School in Mozambique  
Courses coordinated between 1993 and 2006:

Master and PhD Programme in Education: Research Methods in Education, Mathematics Education, Theories of Learning, Problems in Mathematics Education, ICT in Education, Mathematics, Education and Society.

Master and PhD Programme in ICT and Education: Education and Technology; e-learning

4.2. Undergraduate courses

At the University of Lisbon, University of Madeira and University of Azores

Courses coordinated since 1986: Mathematics Education, Seminar on Mathematical Modelling and Applications, In-service Teaching,

**5. Supervision**

Until 31 December 2006, responsible for the supervision of 5 finished PhD and 5 in preparation and 50 Master thesis finished and 12 in preparation.

**6. Domains of research**

Coordinator of the Research Programme Reflecting of Learning: Mathematics, Society and Technology 2006-2012 (includes 6 PhD senior researchers, 5 Master, 8 Graduate teachers, 3 Master students and 3 PhD students). The Programme aims to develop and consolidate a theoretical perspective of learning drawing from situated learning, socio-cultural perspectives and critical theory. It is organized as a constellation of projects of research and participative action-research both in the school and non-school context. The Programme is part of the activities of the Centre for Research in Education of the Faculty of Sciences of the University of Lisbon.

**7. Funded projects**

<i>Title</i>	<i>Source of funding</i>	<i>period</i>	<i>Role</i>
PUENTI-CEB	Ministry of Education of Portugal and Cape Verde	1990-2002	Coordinator
Modelling in Mathematics Teaching	FCT (National Foundation for Science)	1992-1994	Coordinator
Mathematics and Reality	FCT	1994-1996	Coordinator
School mathematical activity in a exploratory perspective	ME (Ministry of Education), Programme SIQE	1995	Coordinator
Pupils' mathematics and school mathematics	ME, SIQE	1995	Coordinator
Mathematical activity o the classroom	ME, SIQE	1995	Coordinator

Affective aspects of pupils' mathematical activity	ME, SIQE	1995	Coordinator
Cooperative work in mathematics	ME, SIQE		Coordinator
Use of a computational tool for learning mathematical modelling	ME, SIQE	1996	Coordinator
Mathematical Thinking	British Council	1996-1998	Coordinator
Computer use and meaning making in mathematics	ME, SIQE	1996	Coordinator
Intercultural Microworld Courseware for Exploratory Learning	ODL SOCRATES, European Community	1996-1998	Coordinator in Portugal
Culture, Mathematics and Cognition (Portugal and Cape Verde)	PRAXIS, FCT	1997-1999	Coordinator
Modelling and Application in School mathematics	ME, SIQE	1997	Coordinator
Mathematical Thinking – Teaching and Learning	PRAXIS, FCT	1999-2001	Coordinator
WebLabs: new representational infrastructures for e-learning	Information Society Technology Programme, European Community	2000-2003	Coordinator in Portugal
DALEST	SOCRATES, European Community	2005-2007	Coordinator in Portugal
LEARN: Mathematics, Education, Technology and Society	(waiting for final approval from FCT)	2007-2010	Coordinator

## 8. Recent publications

- (2005). ICT in pre-service teacher education in Portugal: Trends and needs emerging from a survey. *Interactive Educational Multimedia*, 11, 153-167.
- (2002). Educação matemática e cidadania. *Quadrante*, XI (1), 1-6.
- (2002). Learning from learners. *Proceedings of the Annual Meeting of the International Group for the Psychology of Mathematics Education*. Norwich, July 21-26.
- (2001). Modelling and mathematics education. *ICTMA 9: Applications in Science and Technology* (1.<sup>a</sup> ed.). West Sussex: HORWOOD. Editor in collaboration with com Blum, W., Houston, S. K. & Carreira, S. P. (Eds.)
- (2000). Mathematics education and Society: *Proceedings of the Second International Mathematics Education and Society Conference 26th-31st March 2000* (1.<sup>a</sup> ed.). Lisbon: Centre for Research in Education of the Faculty of Sciences of the University of Lisbon. Editor in collaboration with Santos, M.
- (1999). Dez Anos de Investigação em Educação Matemática numa Perspectiva Vygotskiana Socio-cultural: Questões e Perspectivas, *Revista de Educação*, vol.III, nº1, 1-22.
- (1999). Embodied cognition as grounding for situatedness and context in mathematics education. *Educational Studies in Mathematics*, 39 (1-3), 45-65. In collaboration with com Núñez, R.E., & Edwards, L.D.
- (1998) School mathematics learning: participation through appropriation of mathematical artefacts. In A. Watson (Ed), *Situated Cognition and the Learning of Mathematics*, Centre for Mathematics Education Research, University of Oxford, pp. 106-126. In collaboration with Santos, M.
- (1996). The Quest for Meaning in Students' Mathematical Modelling Activity. In L. Puig & A. Gutierrez (Eds), *Proceedings of the 20th International Conference for the Psychology of Mathematics Education (PME20)*, vol.III, pp.345-352, Valencia.
- (1994). *Proceedings of the 18th International Conference for the Psychology of Mathematics Education*, (4 Volumes). Lisbon: Faculty of Sciences of the University of Lisbon. Editor em colaboração com Ponte, J. P.
- (1994). Teachers' and students' views and attitudes towards a new curriculum: A case study. *Educational Studies in Mathematics*, 26, 347-365. In collaboration with Ponte, J., Guimarães, H., Canavaro, P. & Leal, L.

(1992). Educação Matemática — Temas de investigação. Lisbon: Instituto de Inovação Educacional. Editor in collaboration with Brown, M., Fernandes, D. & Ponte, J. P.

(1992). Mathematical Problem Solving and New Information Technologies: Research in Context of Practice. Berlin: Springer-Verlag. Editor in collaboration with Ponte, J., Fernandes, D. & Matos, J.