

Luis M^a Laita de la Rica

ACADEMIC DEGREES

LTTD AND MASTER (1) "Licenciado" in Physics: Univ. Complutense de Madrid, 02/03/1960

(2) M.A.: Hist. And Phil. of Science (Major in Logic), University of Notre Dame (USA), 07/02/1971

PHD'S: (1) Mathematics, Univ. Complutense de Madrid, 07/02/1974, Director Prof. M. Abellanas, supervised by Prof. Boleslaw Soocinski.

(2) Hist. And Phil. of Science (Major in Logic), University of Notre Dame (USA), 09/07/1975, Director Prof. Michael J. Crowe.

The Ph. D. Thesis of Universidad Complutense was published in 1976, *Un estudio de la Lógica Algebraica desde el punto de vista de la Teoría de Categorías*. Notre Dame Journal of Formal Logic (USA), vol.17 89-117,

The Ph. D. Thesis of Notre Dame University was published from 1977 to 1980 in U. K. in three parts

1) The influence of Boole's search for a universal method in analysis on the creation of his logic *Annals of Science*, vol 34, pp 163-1762)

2) Influences on Boole's logic, the controversy Hamilton-De Morgan, *Annals of Science*, vol 34, pp. 163-1763) 3) Boolean Algebras and its extra-logical sources, *History and Philosophy of Logic*, Turnbridge Wells, vol 1, pp. 37-60.

CURRENT PROFESSIONAL STATUS

- University Professor, Logic, Computer Science and Artificial Intelligence, Universidad Politécnica de Madrid, School of Computer Science, Artificial Intelligence Department, 04/02/1983
- Correspondent Academician of the Royal Academy of Sciences of Spain (elected in 1994)
- Prize of the General Foundation of Universidad Politécnica (academic year 2004-05) to Research and/or Technological Development

PLACES OBTAINED BY COMPETITIVE EXAMINATIONS (SPANISH SYSTEM, "OPOSICIÓN")

- High School Teacher (Mathematics) (1966).
- University Associate Professor, ALGEBRA (1978).
- University Associate Professor, LOGIC (1979).
- University Professor, THEORY OF COMPUTABILITY (School of Mathematics, (Univ. Complutense de Madrid) 1983.
- University Professor (by merits), COMPUTER SCIENCES AND ARTIFICIAL INTELLIGENCE, School of Computer Science, Univ. Politécnica de Madrid) 1987.

PRIOR SCIENTIFIC OR PROFESSIONAL ACTIVITIES

1960-69 High School Teacher

1969-1975 PHD student and "Instructor", University of Notre Dame, where I worked under the supervision of Professors Michael J. Crowe and Boleslaw Sobocinski.

Associate Professor of Algebra, School of Mathematics, Universidad de Sevilla

1981-82 (8 months), Research Assistant, University of California at Berkeley, where I worked under the supervision of Professor Leon Henkin.

1985-87 Professor of Theory of Computability, School of Mathematics, Universidad Complutense de Madrid

1990: Visiting Professor at Carnegie-Mellon University, where I worked under the supervision of Professor Herbert Simon, Nobel Prize

MAIN RESEARCH PROJECTS (among 16 projects as main coordinator, 6 Spanish universities)

- Verification and automated extraction of consequences in information and knowledge systems. Theoretical foundations and implementation. Project B96-0098-C04 (Ministry of Education)
 - Construction and verification of expert systems, Theory and interdisciplinary applications. Project 2000-1368-C03 (Ministry of Science and Technology).
 - TARSKI, (Theory and Application of Relational Structures as Knowledge Instruments), COST ACTION. 12 countries. Coordinator in Spain until 2004.
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PUBLICATIONS:

120 (67 international, 35 of which cited in the JCR, plus 6 in AAI, Kluwer (2), Springer (4), Addison (1), C.E (2), Marcel Dekker (2), and among the Spanish ones, 7 in the Royal Academy.

Invited Editor of a volume of the "RACSAM", Special Series in Mathematics of the Royal Academy Journal, collaborating the most important researches in the world in the field of Symbolic Computation in Logic and Artificial Intelligence Vol 98 (1) 2004.

CONGRESSES and CONFERENCES: 62 (37 abroad)

SCHOLARSHIPS

- (1) Fundación Juan March, Mathematics Section, doctoral studies, USA, University of Notre Dame 10969-70.
 - (2) Scholarships University of Notre Dame, 1971-75.
 - (3) American-Spanish Joint Committee for Cultural Cooperation, postdoctoral studies at the University of California, Berkeley, 1982
 - (4) Carnegie-Mellon University Visiting Professor.
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DOCTORAL DISSERTATIONS TUTORED; 11 (3 MORE IN PROGRESS)

"TRABAJOS FIN DE CARRERA" (MASTER THESES); 54

TEACHING: 46 YEARS: approximately, I have taught more than 8000 students and, directly or indirectly I have contribute to train 150 researchers. I was the founder of the Sevilla Dept. of Computer Science and A. I.. Director of the A. I. Dept. of Universidad Politécnica from 1987 to 1994; in that period, the "CEOE" (Spanish Confederation of Companies) gave to my Department the National Research "ESABE".