

CURRICULUM VITAE

Dr. Guillermo Morales-Luna

June 30, 2007

1 Personal data

Name: Guillermo Morales-Luna
Date and place of birth: March 21, 1955, Mexico City
Nationality: Mexican and Polish
Marital status: Married
Wife: Małgorzata Hadryś (Polish)
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1.1 Academic background

- B. Sc. in Physics and Mathematics, Superior School of Physics and Mathematics (ESFM) of National Polytechnic Institute (IPN), Mexico City, 1976.
- M. Sc. in Mathematics, Mathematics Department, Research and Advanced Studies Center of IPN (CINVESTAV), Mexico City, 1978.
- Ph. D. in Mathematics, Mathematics Institute, Polish Academy of Sciences, Warsaw, Poland, 1984.

1.2 Current position

Researcher-CINVESTAV 3-A.
Computer Science Section, Electrical Engineering Department, CINVESTAV.
I have been in this position since 1985.

1.3 Membership at Mexican National System of Researchers

The Mexican Federal Government established a *National System of Researchers* (SNI) in order to fund

and recognize scientific research in Mexican institutions. Since 1985 I have been appointed into SNI, except for the period 2000-2002.

1.4 Areas of interest

- Theoretical Computer Science
- Mathematical Logic and Automated Theorem Proving
- Cryptography
- Complexity Theory
- Optimization

2 Research

- I have authored research articles, related to Theoretical Computer Science, Logic and Cryptography, published in journals as *Journal of Symbolic Logic* (1), *Journal of System Sciences and Symbolic Computation* (1), *Springer Lecture Notes in Computer Science* (13), *International Journal of Information Security* (1), *IEEE-Signal Processing Letters* (1), *IEICE Transactions on Information and Systems* (1) and *Multiagent and Grid Systems – An International Journal* (1), as well as in publications of the Sociedad Matemática Mexicana (4) and IPN (4).
- I have authored six technical reports at the Electrical Engineering Department, CINVESTAV, one book at IPN, and one chapter in a book published by Springer-Verlag.
- I have supervised 7 Ph. D. thesis (in Computer Science at CINVESTAV), 21 M. Sc. thesis (1 in Mathematics at IPN and 20 in Computer Science at CINVESTAV), and 3 B. Sc. thesis (2 in IPN and 1 in the Military School of Engineering, in Mexico).
- In 1983 I attended the International Congress of Mathematicians in Warsaw, Poland, and

from 1981 to 1984, several mathematical meetings at the *Stefan Banach Mathematical International Center* in Warsaw. In 1996 I attended the “*Logic, Algebra and Computer Science Minisemester*” at the Stefan Banach Mathematical International Center held in memoriam of prof. Helena Rasiowa.

- Since 1978 I use to participate in scientific congresses and symposia in several countries in Europe and the Americas.

3 Professional experience

- Programmer at the Computing Unit of El Colegio de México (1976-1977).
- Research assistant in the Basic Processes Division of Mexican Institute of Petroleum (IMP) (1977-1978).
- Full-time professor at the Physics and Mathematics School of the Autonomous University of Puebla (August 1978 till December 1980).
- Partial-time professor at the ESFM of IPN (from 1975 till 1978 and later from 1985 till 1994). I taught courses in Applied Mathematics at undergraduate and graduate levels.
- Informatics Subdirector of the Special Projects Unit at the Mexican Ministry of Transport and Communications (in 1985).
- In 1992 I spent a sabbatical year as visiting researcher in the Exploitation Direction of IMP. At this time I was appointed as an IMP Numerary Researcher.
- In 2001 I was in a second sabbatical leave in IMP. At that time I was a visiting researcher at the Molecular Engineering Research Program.

4 Main projects and activities

- In 1985 I participated in the Automatic Test System of “Morelos” Satellite System.
- From 1989 to 1992 I chaired the CINVESTAV Computer Science Section.
- During 2003 and 2004 I have been the Academic Deputy of the CINVESTAV Computer Science Section.

- I have organized several events at CINVESTAV, e.g. the “Expert System International Courses” and the “Electrical Engineering Conference, CIE” (in 1997).
- I have received several grants for research and technology projects from Mexican CONACyT, UNESCO, PEMEX and the Mexican Institute of Telecommunications.
- During 1996 and 1997 I was responsible for the Mexican part of the joint project “*Statistical and computational methods in automatic reasoning*” developed with the Computer Science Institute of the Polish Academy of Sciences, sponsored jointly by Mexican CONACyT and Polish Komitet Badań Naukowe (Committee of Scientific Research).
- I have been invited by Mexican CONACyT to review academic graduate programs in Computing, to award scholarships to Mexican students for studies abroad and to referee research projects.
- I have been invited by the Argentinian Science and Technology Research Fund to referee research projects in 2002, 2003 and 2004.
- I have been invited to participate in the Technical Committees of several congresses in Computing.
- I have refereed texts and books edited by the Sociedad Matemática Mexicana, the Universidad Autónoma Metropolitana and IPN.
- From 2000 till 2004 I was the President of the *Polish-Mexican Association*, a binational society related to the Polish community in Mexico.

5 Idioms y scientific societies

- I speak fluently Spanish (my native language), French, English and Polish.
- I read Latin, Catalan and Italian.
- I am a member of IEEE, SIAM, AMS, Soc. Mex. Cs. Comp. and Soc. Mat. Mex.

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