

# CURRICULUM VITAE

Dr. Guillermo Morales-Luna

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## 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.  
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*, *Journal of System Sciences and Symbolic Computation*, *Springer Lecture Notes in Computer Science*, *International Journal of Information Security*, *IEEE-Signal Processing Letters*, *IEICE Transactions on Information and Systems* and *Multiagent and Grid Systems – An International Journal*, as well as in publications of the Sociedad Matemática Mexicana (4) and IPN (4).
- I have authored technical reports at the Electrical Engineering Department, CINVESTAV, three books at IPN, respective books published by “Morgan and Clay Publishers” and “IGI Global” and several chapter books published by Springer-Verlag, IGI Global, and Morgan Kaufmann.
- I have supervised 9 Ph. D. thesis (in Computer Science at CINVESTAV), 36 M. Sc. thesis (1 in Mathematics at IPN and 35 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.
- 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.
- I have been invited to participate in the Technical Committees of several congresses in Computing.
- I have refereed many texts and books by different international journals and editorials.
- Presently I am the chairman of the CINVESTAV Computer Science Department.
- 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 used to be a member of IEEE, SIAM, AMS, Soc. Mex. Cs. Comp. and Soc. Mat. Mex.

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