CURRICULUM VITAE

1. *Family name*: **Georgescu**

2. *First name*: **Horia-Ioan**

3. *Date of birth*: 1945, April 18

4. *Nationality*: Romanian

5. *Civil status*: Married, one daughter and one son

6. *Education*:

- I graduated the University of Bucharest, Faculty of Mathematics in 1967
- Ph. D. in Mathematics, University of Bucharest, 1976

7. *Language skills*:
   English and French (very good), German (good).

8. *Membership of professional bodies*:
   Member of the American Mathematical Society
   Member of the Romanian Association of Computer Science (ANIRO), vice-president.

9. *Other skills*:
   Experience in programming languages (Pascal, C, C++, Java);
   Experience in text processing (LATEX, Word);
   Experience in network programming;
   Experience in using various computer packages (mathematical and statistical packages).

10. *Present position*:
    Professor at the University of Bucharest, Faculty of Mathematics and Informatics, Department of Computer Science, retired.

11. *Scientific supervisor of Ph. D. Students in Computer Science, University of Piteşti*
    - 8 Ph.D. students got the Ph.D. title under my supervision, namely:
      - Radu BORIGA
      - Cristina Ana DĂSCĂLESCU
      - Marinela NIDELEA
      - Raoul ŞERBAN
      - Măriuta ŞERBAN (TUDOR)
      - Mihăiţă DRĂGAN
      - Nicoleta IACOB
      - Luminiţa DEFTA

12. Fields of interest:
- Programming languages and programming techniques;
- Formal languages;
- Parallel, concurrent and distributed programming;
- Distributed databases.

13. Other activities:
- visits to some important Universities in Europe: De Montfort University (Preston, U.K.), I.U.T. "Paul Sabatier" (Toulouse, France), Bochum University (Germany), University of Granada (Spain), Universitatea din Sheffield (U.K.), University of Aalborg (Denmark), University of Hamburg (Germany), Abo University (Turku, Finland)
- I was the promoter of the first College in Computer Science in Romania (University of Bucharest, 1991);
- I was the trainer of the Romanian team in I.O.I. (International Olympiad in Informatics for high-school students) between 1990-2000. Best results: first place (Argentine, 1993), second place (China, 2000);
- I was the editor of "Gazeta de Informatica", the only monthly publication in the world for high-school students in Informatics;
- I was the trainer of the team of the University of Bucaharest at the A.C.M. contest. Best results: 4th place in the world in Eindhoven,1999;
- I initiated a long-distance master in "Databases and networking" in 2005, which proved to be very successful (about 70 students every year)

14. International and Romanian Programmes:
- I was the coordinator of the TEMPUS programme *DECOR* (DEvelopment of Colleges in Romania), involving 3 western european universities (Toulouse, Preston, Frankfurt) and 13 Romanian colleges (1993-1995);
- I was the coordinator of the TEMPUS programme "*Restructuring of the (re)training of school teachers in Computer Science*" (1996-1999), which involved four western european universities (Aalborg, Hamburg, Sheffield, Granada) and 6 Romanian Universities.
- I participated to 6 Romanian scientific programmes (for two of them I was coordinator).

15. Publications
　　　I wrote 20 books and about 60 papers. Some relevant publications are:

Books :

- *Programming in PL/1*, Ed. Acad. Rom., 1973.;
- *Introduction in the SIRIS operating system*, Ed. Albatros, Buc., 1978;
- *Design and Analysis of Algorithms*, Ed. Științifică și Enciclopedică, Buc., 1986;
- *Pascal and Turbo Pascal. Fundamental Concepts*, 1993;
- *Concurrent Programming*, Ed. Tehnică, 1996;
- *Parallel Programming*, Ed. Univ. "Ovidius" Constanţa, 1998;
- *Introduction in the Java Universe*, Editura Tehnică, 2002;

- *Programming techniques*, Ed. Univ. Bucharest, 2006;
- *Distributed Programming using Java*, Ed. Univ. Bucharest, 2008.

Papers :

- *Sur quelques problemes de classification automatique*, Bull. Math., tome 12, 3(1968);
- *Suboptimal feed-back for problems with small time constants*, Rev. Roum. Sci. Tech. Electrotech. and Energetique, tome 21, 4 (1978);
- *Suboptimal feedback for systems with small time constants*, Bull. Math. Soc. Sci. Math. R.S.R., Nouv. Ser. 24, 3 (1980);
- *Recursion as a Tool for Object Generation*, Analele Univ. Buc., 2 (1990);
- *An Overview of Informatics Education in Romania*, UNESCO International Workshop, November 1994 Sofia, John Muirhead, 1995;
- *National Report for Romania*, Proceedings of Evaluation Conference on Inter-University Cooperation in Europe in the Field of Computing, Dublin, 1996;
- *An integrating Approach to SSADM*, Proceedings of the International Conference of Technical Informatics, Proceedings, Computer Science and Engineering, vol 5, Nov. 14-16, 1996;
- *Grammar Systems with Counting Derivation and Dynamical Priorities*, în *New Trends in Formal Languages,* Lecture Notes in Computer Science 1218, 1997;
- *A New Cooperation Protocol for Grammar Systems*, Ann. Univ. Buc., XLVI, 1997;
- *A New Type of Counting Derivation for Grammar Systems*, în *Grammatical Models of Multi-Agent Systems*, OPA Overseas Publishing Associates (UK) Ltd, Gordon & Breach Science, 1998;
- *Parallel Algorithms for Simulating Arcsin Random Variables*, Foundations of Computing and Decision Sciences, Vol. 23, No. 2, 1998;
- *Generation of Combinatorial Elements using OOP*, Ann. Univ. Iaşi, tom VII (1998);
- *The Dynamic Programming Method. A New Approach*, Studia Universitatis "Babeş-Bolyai" Informatica Journal, Vol. XLII, 1 (1998);
- *Time Coloured Petri Nets Models for Requirements Analysis and Specifications*, Ann. Univ. Buc., XLVII - 1998;
- *Guarded Aditive Valence Grammars as Models for Synchronization Problems*, Ann. Univ. Buc., XLVIII-1999;
- *On Counting Derivation in Grammar Systems*, Romanian Journal of Information Science and Technology, Romanian Academy, Vol. 1, No. 1, 1998;
- *Grammatical Models for Some Process Synchronizers*, Proceedings of the MFCS'98 Satellite Workshop on Grammar Systems, Silesian University, Brno, 1998;
- *Communicating stream X-machines systems are no more than X-machines*, Journal of Universal Computer Science, 1999, vol. 5, nr. 9;
- *Some remarks on Stream X-machines based on Grammar Systems*, Proceedings of AFL '99, Hungary;

- *Relevant concurrency aspects for Industrial Mathematics. Formal and Implementation Aspects*, Intensive Balkan Seminar on Industrial Mathematics, Salonic, Nov. 1999;
- *A New Approach to Communicating X-Machines Systems*, Journal of Universal Computer Science, May 2000, Vol. 6, issue 5;
- *A structured way to use Channels for Communication in X-machine Systems*, Formal Aspects of Computer Science, 2000, vol.12;
- *Deadlock Detection in Communicating X-Machine Systems*, Ann. Univ. Buc., XLIX, 2000;
- *Modelling P Systems by Communicating X-Machine Systems*, Ann. Univ. Buc., L, 2001;
- *An efficient way to model P systems by X-machine systems*, Studia Univ. Babeş-Bolyai, Series Informatica, Vol. XLVI (1), 2001;
- T. Bălănescu, H. Georgescu, M. Gheorghe : *Stream X-Machines with underlying distributed grammars by using an algebraic constraint*, Roumanian Journal of Information and Technology, vol.6, nr. 1-2, 2003, pag. 33-44.
- Chiţescu, H. Georgescu : *Approximation of Infinite Dimensional Fractals Generated by Integral Equations*, Journal of Computational and Applied Mathematics, 234, nr. 5 (2010), pag. 1417-1425.;
- Chiţescu, H. Georgescu : *Approximation of Fractals generated by Hammerstein - type Operators*, Edited Collection "Classification and application of fractals", Ed. Nova Publishers, 18 pag., acceptat pentru publicare;
- Chiţescu, H. Georgescu : *Approximation of Fractals generated by Integral Operators*, "Vasile Alecsandri" Univ. of Bacău, Faculty of Sciences, Scientific Studies and Research, series Mathematics and Informatics, vol. 21/2011, no. 1, pag. 71-82;