



## PERSONAL DATA

- Name:** Florin - Gheorghe FILIP
- Born:** 25.07.1947, Bucharest, Romania
- Education:** Tech. Univ. Bucharest, Dept. Control Engrg. and Comp. Sci., M. Sc (1970), PhD (1982)
- Scientific Titles:** PhD (1982), Member of the Romanian Academy (since 1991)
- Organisation:** Romanian Academy ([www.academiaromana.ro](http://www.academiaromana.ro))
- Current position:** Head of the “Information Science and Technology” Section (<http://valhalla.racai.ro/sti/info.htm>) of the Romanian Academy (elected in 2009 , reelected in 2015)
- Previous positions:** Director-general of the Academy Library ( January 2009-October 2017) ( [www.biblacad.ro](http://www.biblacad.ro) )  
Vice-President of the Romanian Academy ( March 2000-April 2010) ( [www.acad.ro](http://www.acad.ro) )  
Managing director of the National Institute for R&D in Informatics - ICI ([www.ici.ro](http://www.ici.ro) 1991-1997), President of the Scientific Council of ICI (1995-2003), Head of Research Laboratory in ICI (1985-1991)
- Professional Address:** **Romanian Academy**, 125, Calea Victoriei, 71102 BUCHAREST-1, Romania, *E-mail:* [ffilip@acad.ro](mailto:ffilip@acad.ro)
- Expertise Sectors:** Large-scale complex systems,  
Decision Support Systems-DSS,  
Information Society,  
IT applications in libraries and cultural institutions,  
Technologies management,  
Foresight in science and technology
- Scientific activity:** Author/coauthor of over 300 papers published in international journals (IFAC J Automatica, IFAC J Control Engineering Practice, Annual Reviews in Control, Computers in Industry, System Analysis Modeling Simulation, Large Scale Systems, Techn.and Ec. Development of Economy-TEDE and so on) and contributed to volumes printed by international publishing houses (Pergamon Press, Springer, Elsevier, Kluwer, Chapman & Hall, and so on).  
Author/coauthor of 13 monographs and editor/coeditor of 27

contributed volumes published in Romanian and international organizations ( Romanian Academy Publishing House-EAR, Editura tehnică, Springer, J. Wiley & Sons, Hermes Lavoisier Paris, Elsevier and so on ) . He was an IPC member of more than 50 international conferences held in Europe, USA, South America, Asia and Africa.

**Teaching:**

- Full Professor at the "Valahia" University of Targoviste ( 1997-2014).
- Associate Professor at the "Politehnica" University of Bucharest supervising PhD studies (1993-2016).
- Visiting professor invited to hold plenary talks, at international conferences and seminars in universities and R&D organizations in Austria, Brazil, Chile, China, England, France, Germany, Kuwait, Lithuania, Republic of Moldova, Poland, Portugal, Spain, and Sweden.

**Other information:**

- Coordinator of the National R & D Programme in IT (1993 - 1994)
- Member of the "National Advisory Council for Science and Technology" (1993-2010), and Secretary General of the council (1998-2010).
- Evaluator for EC-PECO (1992), COPERNICUS (1996), FP5 (2001), IST (2000-2013).
- Member of the Evaluation Committee for "European Prizes in IT" - "IST Prize" (1997-2007).
- Founder and Editor-in-Chief (EiC) of the international journals "Studies in Informatics and Control - SIC" (since 1991; <http://sic.ici.ro>) and co-founder and co-EiC of "International Journal of Computers, Communications, and Control –IJCCC" (since 2006; <http://journal.univagora.ro/>), both ISI covered.
- Executive President of the Romanian Forum for the Information Society (since 1997).
- National representative in EC FP5 IST TC (1999-2001)
- Associate member in NATO TC "Computer networking" (2000, 2001).
- President of IFAC TC 5.4 SML - Large Scale Systems (2002-2008)
- Member of three IFAC technical committees: TC 4.5 (HMS), TC 5.2 (MMC) and TC5.4 (LSS)
- Member of IFIP WG 5.12 (Enterprise Integration).
- Member of the EU ISTAG - Information Society Technologies Advisory Group (2001).
- Member of the Honorary Committee of PITCH (the Association 'For the Promotion of International Technological Co-operation for Humanistic Ends')
- Member of the Scientific Council of IDSI, Chişinău (<https://idsi.md/consiliul-stiintific>)

**Languages:**

English, French, Russian (W, R, S – proficient); German, Swedish, Italian, Spanish (W, R, S - some).

**Honours:**

- Honorarius Magister of the University "Dunarea de Jos", Galati, (December, 2003).
- Recipient of the prize "COPY RO" awarded for the best Romanian book in IT of the year 2002: "Computer Aided Decision Making".
- Doctor Honoris Causa from:
  - "Lucian Blaga" University of Sibiu (2000)
  - "Valahia" University, Targoviste (2007)
  - "Ovidius" University, Constanta (2007)
  - Ecole Centrale de Lille (France) (2007)
  - Technical University "Traian Vuia", Timisoara (2009)
  - Agora University, Oradea (2012)
  - Academy of Economic Studies - ASE, Bucharest (2014)
  - "Petrol-Gaze" University, Ploiești (2017)
  - University of Pitești (2017)
  - "Aurel Vlaicu", University of Arad (2018).
- Recipient of the Romanian National Order "Serviciul Credincios" ("Faithful Service"), rank of "Grand Cross" (awarded by the President of Romania in 2000)
- Recipient of the "Grigore Moisil" Prize and of the Medal "Man of the Year 1999" from the "Association for Economic Informatics - INFOREC".
- Honorary member of the Academy of Sciences of Republic of Moldova (since 2007). (<http://www.asm.md/>)
- Honorary member of the Academy of Technical Sciences of Romania-ASTR (since 2007). (<http://www.astr.ro/acad-florin-filip/>)
- Founding member of the "International; Academy for IT and Quantitative Management-IAITQM" (since 2012). (<http://www.iaitqm.org/>)
- Recipient of the medal "Prof. Marin Drinov with Golden Ribbon" from the Bulgarian Academy of Sciences - BAS, Sofia (2007).
- Recipient of the "W. Scott Jr. in IT Award" from the International Academy of IT and Quantitative Management (IAITQM)(May 2013)
- Adjunct professor of the Management School of the University of the Chinese Academy of Sciences-CAS (2013-2016).
- Recipient of the "Stefan Odobleja Prize" from the Academy of Technical Sciences (2015).
- Recipient of the Romanian National Order "Steaua Romaniei" ("The Star of Romania"), rank of "Knight" (awarded by the President of Romania in 2015)

- Recipient of the "Nicolai Miclescu Spataru" from the Academy of Sciences of Rep. Moldova (2017)
- Recipient of the "Vasile Catuneanu Prize" from Academy of the Technical Sciences of Romania for the monograph "Optimisation en science de l'ingénieur; méthaheuristiques, méthodes stochastiques et aide à la décision", published in 2014 by Hermes Lavoisier, Paris (2017)

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## SELECTED PAPERS

- Filip, F. G.**, Zamfirescu, C. B., & Ciurea, C. (2017). **Computer-Supported Collaborative Decision-Making.** Springer International Publishing (<http://link.springer.com/book/10.1007/978-3-319-47221-8>)
- Filip, F. G.**, L. Herrera - Viedma (2014). Big Data in Europe (invited paper). **The Bridge** (The National Academy of Engineering of the National Academies-USA), Winter 2014, pp. 33-37 (<http://www.nae.edu/19582/bridge.aspxP>)
- P. Borne, D. Popescu, **F. G. Filip**, D. Stefanoiu (2012) **Optimization in Engineering Sciences; Exact methods.** ISTE & J. Wiley, London, ISBN 9781848214323
- Filip F.G** & Leiviska K.(2009) Large-Scale Complex Systems. In: Nof S. (eds) **Springer Handbook of Automation.** Springer Handbooks. Springer, Berlin, Heidelberg ([https://link.springer.com/chapter/10.1007/978-3-540-78831-7\\_36](https://link.springer.com/chapter/10.1007/978-3-540-78831-7_36))
- Filip. F. G.** (2008) Decision support and control for large-scale complex systems. **Annual Reviews in Control**, **32**(1), pp. 61-70.
- Nof S.Y., G. Morel, L. Monostori, A. Molina, and **Filip. F.** (2006) From plant and logistics control to multi-enterprise collaboration. **Annual Reviews in Control**, (Elsevier) **Volume 30**, Issue 1, 55-68.
- Filip. F. G.** (2004) **Decision Support Systems** (Sisteme suport pentru decizii). Technical Publishers, Bucharest, XXI + 337 pages, ISBN 973-31-2232-7 (in Romanian) (2nd edition in 2007).
- Filip, F.G.** (2002) **Computer Aided Decision-Making: Decisions, Decision Makers and Basic Methods and Tools.** Technical Publishers & Expert Publishers, Bucharest, 344 pgs. ISBN 973-31-2105-3 (in Romanian) (2nd

- edition in 2005), "Awarded by *Copy.Ro* for the best book in IT in 2002".
- Filip F. G.**, Dumitrache I., Iliescu S. S. (Eds) (2002) **Large Scale Systems: Theory and Applications 2001 (LSS'01)**. Elsevier Science Ltd. (Pergamon), Oxford, (ISBN: 0—08-043691 9), 588 pages.
- Filip F. G.** (Editor) (2001) **Information Society-Knowledge Society**, Expert Publishers, Bucharest, 540 pages, (in Romanian).
- Filip F. G.**, Boldur B. (1999) **Industrial Informatics - New Paradigms and Applications**, Technical Publishers, Bucharest, 440 pages, (in Romanian).
- Filip F. G.** (1998) Optimization models with sparse matrices and relatively constant parameters. **Systems Analysis Modelling and Simulation**, **33**, pp. 407-430.
- Filip F. G.**, Alexandru A. and Socol I. (1997) Technology management and international cooperation: several success stories. **J. Human Systems Management**, **16**, pp. 223-229.
- Filip F. G.** (1995) IT culture dissemination in Romania: experiments and achievements. In: A. Inzelt and R. Coenen (Eds.) **Knowledge Technology Transfer and Forecasting**, Kluwer Academic, Dordrecht, pp. 149 - 160.
- Filip F. G.** (1995) Towards more humanized DSS. In L. M. Camarinha Matos and H. Afsarmanesh (Eds.) **Balanced Automation Systems: Architectures and Design Methods**. Chapman & Hall, London, pp. 230 - 240.
- Filip F. G.** (1994) Evolutions in systems analysis, modelling and simulation in Computer based industrial automation. **Systems Analysis, Modelling and Simulation**, **15**, pp. 135 - 149.
- Filip F. G.** (1993) An object - oriented multilayer model for scheduling. In: A. Verbraeck, and E.J.H. Kerckhoffs (Eds.). **Proceedings, European Simulation Symposium** pp. 173-180.
- Filip F. G.** and Neagu G. (1993) CIM in continuous and discrete manufacturing: object-oriented generic modeling. In: **IFAC J. Control Eng. Practice**, **1(5)**, pp. 815 - 825.
- Filip F. G.** (1992) System analysis and expert systems techniques for operative decision making. In: A. Sydow (Ed.) **Computational Systems Analysis: Topics and Trends**, ELSEVIER, Amsterdam, pp. 285 - 304.
- Guran M. and **Filip F. G.** (1986) **Hierarchical Real-Time Systems**. Technical Publishers, Bucharest, (in Romanian)

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- Filip F. G.** and Donciulescu D. A. (1983) On on-line direct dynamic coordination method in process industry. **IFAC J. Automatica**, **19**(1), pp. 317 - 320.
- Filip F. G.**, Neagu G. and Donciulescu D. (1983). Jobshop scheduling optimisation in real time production control. **Computers in Industry**, 4(4) (North Holland), pp. 395 - 403.
- Filip F. G.**, Donciulescu D., Muratcea M., Oraseanu L. and Predoiu D. (1980). Hierarchical control of large scale chemical and metallurgical systems. In: A. Titli and M. G. Singh (Eds.). **Large Scale Systems: Theory and Application**. Pergamon Press, Oxford, pp. 563 - 575.

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*"To whom it may concern*

*... Dr. Filip has shown himself to be a very innovative and productive researcher, whose papers are equivalent in quality and cutting-edge findings to those from the best research organizations of the world. Witness his publications in Automatica, Computers in Industry and other leading journals in the field. The establishment of Dr. Filip's stature, as an internationally recognized researcher in his field, and the acceptance of his work is shown by the large number of international conferences where he has served as session chairman and/or program committee member and many invited seminars he has presented in other countries ..."*

**Prof. Theodore J. Williams,**

Professor of Engineering and Director, Purdue Lab. for Applied Industrial Control, Purdue University;

Past President of Instrument Society of America;

Past President of the American Federation of Information Processing Societies;

Chairman of IFAC/IFIP Task Force on "Architecture for Enterprise Integration"

(August 1994).

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