

List of scientific publications

Monographs

1. M. Florescu, E. Niculescu - Mizil, M.T. Gruiescu, Tr. Ionescu, M. Tertisco, F.D. Lazaroiu, M. Florescu - Balcesti, M.M. Ciochina, A. Gheorghe, A. Davidoviciu, I. Grigoriu, N.Cr. Parvan, M. Guran, N. Gheorghe, D.C.L. Anton, D. Popescu, **F. Filip**, I.Belcea, E. Diatcu (1979). **Cibernetica automatica informatica in industria chimica**. Ed. Tehnica, Bucuresti, 830 p.
2. M. Guran, **F. Filip** (1986), **Sisteme ierarhizate si in timp real in prelucrarea distributia a datelor**. Ed. Tehnica, Bucuresti, 300 p.
3. B. Barbat, **F. Filip** (1997). **Informatica industrială: ingineria programarii in timp real**. Ed. Tehnica, Bucuresti, 286 p.
4. **Filip, F.G.**, B. Barbat (1999). **Informatica industrială ; noi paradigme si aplicatii**. Ed. Tehnica, Bucuresti. , ISBN 973-31-1324-7, 440 p.
5. **Filip, F.G.** (2002). **Decizie asistata de calculator: decizii, decidenti , metode si instrumente de baza**. Ed. Expert si Ed. Tehnica, Bucuresti, ISBN 973-31-2105-3, 344 p. (*Premiul COPY RO pentru Informatica pe 2002*)
(http://www.academiaromana.ro/carti/pag_carte_ffilip.htm)
- 5' **Filip F.G.** (2005). **Decizie asistata de calculator: decizii , decidenti, metode de baza si instrumente informatice asociate** .(Editia doua completata si revizuita a lucrării de la #5), Ed. TEHNICA , Bucuresti, ISBN 973-31-2254-8, XXVIII+376 p.(http://www.academiaromana.ro/carti2005/c0414_ffilip.htm)
6. **Filip, F.G.** (2004). **Sisteme suport pentru decizii**. Ed. TEHNICA, Bucuresti, ISBN973-31-2232-7,XXI+335p.
(http://www.academiaromana.ro/carti/pag_carte_ffilip_sept2004.htm)
- 6' **Filip, F.G.** (2007). **Sisteme suport pentru decizii**. (Editia II revazuta si adaugita a lucrării de la #6), Ed. TEHNICA, Bucuresti(ISBN978-973-31-2308-8), XI+XIX+372p. (http://www.acad.ro/carti2007/carte07_02FF.htm)
7. P. Borne, D. Popescu , **F.G. Filip**, D. Stefanoiu (2012) . **Optimisation en sciences de l'ingenieur** . Hermes-Lavoisier, Paris , ISBN 978-2-77462-3897-8
8. P. Borne, D. Popescu , F.G. Filip, D. Stefanoiu (2013) . **Optimsation in Engeneering Sciences** . iSTE & J. Wiley, London , UK. XIV+312 pag., ISBN 9781848214323
(<http://eu.wiley.com/WileyCDA/Section/id-302479.html?query=Floria+G.+Filip>)
9. Stefanoiu , D., Borne, P., Popescu, D. , **Filip, F.G.**, El Kamel, A. (2014). **Optimisation en science de l'ingénieur ; méthaheuristiques, méthodes stochastiques et aide à la décision**. Hermes Science - Lavoisier , Paris, ISBN 9782746239272, 396 p

http://books.google.ro/books/about/Optimisation_en_sciences_de_l_ing%C3%A9nieur.html?id=aEjKoAEACAAJ&redir_esc=y

Edited volumes

1. Guran, M., **F. Filip**, I. Trandafir (coord.) (1995). **25 de ani in informatica: istoria unui institut**. Ed. Publicatii in informatica si conducere, Bucuresti, 68p.
2. **Filip, F.** , M. Guran (coord) (1995). **25 de ani in informatica: contributi in cercetare si dezvoltare**. Publicatii in informatica si conducere, Bucuresti, 300p.
3. Coordonarea traducerii cartii " **Ceva fi; cum vom trai in lumea noua a informatiei**"(de M. Dertouzos) , Ed. Tehnica, Bucuresti (2000)
4. **Filip, F.G.**, I. Dumitrache, S.S. Iliescu (Eds.)(2001). **Large Scale Systems; Theory and Applications**. Preprints of the IFAC/IFORS/IMACS/IFIP Symposium, Bucharest, July 18-20, Informatics and Control Publications, ISBN 973-98407-8-7, 602 p.
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6. **Filip, F.G.**, I. Dumitrache, S.S. Iliescu (Eds.) (2002). **Large Scale Systems: Theory and Applications 2001(LSS'01)**. Elsevier Science Ltd. (Pergamon) Oxford,(ISBN:0—08-0436919)588p.
(<http://www.elsevier.com/inca/publications/store/6/2/2/7/3/9/index.htm>).
7. Tufis, D., **F.G. Filip (2003)** (Coord). **Limba romana in Societatea informationala-Societatea cunoasterii**. Ed. Expert, Bucuresti , ISBN 973-8177-83-9, 510 p. (http://www.acad.ro/carti/carti2003/pag_carte_ffdt.htm).
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9. Corina Pascu , **F. G. Filip** (Eds.)(2005). **VISIONS ON INFORMATION SOCIETY FUTURE IN AN ENLARGED EUROPE**. Ed Academiei , Bucuresti, ISBN973-271199-X,214p.
(http://www.academiaromana.ro/carti2005/c0726_ffilip.htm).
10. Agachi, S, A. Curaj, I. Dumitrache, **F.G Filip**, G. Popa, I. Stănciulescu, Lanyi Szabolcs (2006). **Sistemul Național de Cercetare, Dezvoltare și Inovare în contextul integrării în Aria Europeană a Cercetării**. Ed Academiei Romane, Bucuresti, 670 p., ISBN (10) 973-27-1481-6 ; ISBN (13) 978-973-27-1481-2
(<http://www.academiaromana.ro/carti2006/CDI-integrare.htm>).
11. Ioan Dzitac, **Florin Gheorghe Filip**, Misu-Jan Manolescu (eds.), - **Proceedings of ICCCC 2006, International Journal of Computers, Communications & Control (IJCCC), Vol. I** (2006), supplementary issue, ISSN 1841-9836, 512 p
(<http://www.iccc.univagora.ro/?page=publication>).
12. **Filip, F.** (coord.), Semenescu A., Mihail, I., Marin , A., Panaitescu , S., Ilie, R., Mazurchievici, A. (2007). **Cum participam cu succes la PC7 al UE. Ghid aplicativ**, ed. II. INID, Bucuresti , ISBN 978-973-0-04889-6, 272 p.
13. Dzitac, **I. F.G. Filip**, M.J. Manolescu (Eds.), **Proc. of International Conference on Computers , Communications and Control-ICCC 2008** AGORA Univ. Editing House , Oradea , ISSN 1841-9836, 540 p.
(http://www.journal.univagora.ro/?page=supp_isue2008).

14. Enachescu, C., Iantovics B., **Filip F.** (2008). **Advanced Bio-Inspired Computational Methods.** Editura Univ. "Petru Maior", Tg. Mures. ISBN 978-973-7794-77-2.
15. Enachescu, C., Iantovics B., **Filip F. G.** (eds) (2009). **BICS 2008.** American Institute of Physics. Melville, New York, ISBN 978-0-7354-0654-4 ,234 pag. (http://www.academiaromana.ro/carti2009/carte09_02FFilip.htm).
16. Zadeh, L.A., Tufis, **D., Filip, F.G.,** Dzitac, I. (2008) (Eds.). **From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence.** Editing House of the Romanain Academy, Bucharest. ISBN 978-973-27-1678-6, 268 pag. (http://www.acad.ro/carti2008/carte08_06Zadeh.htm).
17. Iantovics B., Enachescu, C., **Filip F.** (2008). **Complexity in Artificial and Natural Systems.** Editura Univ. "Petru Maior", Tg. Mures. ISBN 978-973-7794-76-5.
18. Borne, P., **Filip, F.G.,** Benrejeb, M., Popescu, D. (Editeurs)(2009). **Automatique Avancée et Informatique Appliquée.** Editura Academiei Romane, Bucuresti. ISBN: 9790732718063, 342 pag.1 (http://www.academiaromana.ro/carti2009/carte09_03FFilip.htm)
19. Iantovics, B. L., Enachescu, C., **Filip F.G.** (2009) (Eds). **Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems, Biomedical Computing.** . IEEE Computer Society, Los Alamitos, CA , ISBN 978-0-7695-3621-7, VIII+258 p.
20. **Filip, F. G.** (2010). ETECA '09 . Proceedings of the 1st Workshop on Energy, Transport and Environment Control Applications. Expert Publishing House, Bucharest, ISBN 973-159-080-3, 146 pag. (http://www.acad.ro/carti2010/carte10_01FFilip.htm).
21. Borne, P., **Filip, F. G.** (Eds.) (2010) Proc. of IFAC Sump on "Large Scale Complex Systems Theory and Applications", IFAC Papers on-line and ELSEVIER (http://www.ifac-papersonline.net/Large_Scale_Complex_Systems_Theory_and_Applications/12th_IFAC_Symposium_on_Large_Scale_Systems_Theory_and_Applications_2010_/index.html)
22. Enachescu C., **Filip F.G.** , Iantovics B. (Eds.) (2012). **Advanced Computetional Technologies.** Editura Academiei Romane
23. Borangiu Th., Dolgui, A., Dumitrache I., **Filip F.G.** (editor) (2012). Proc. of **14th IFAC Symposium on Information Control Problems in ManufacturingInformation Control Problems in Manufacturing, IIFACC On line & Elsevier** ISBN: 978-3-902661-98-2 (http://www.ifac-papersonline.net/Information_Control_Problems_in_Manufacturing/14th_IFAC_Symposium_on_Information_Control_Problems_in_Manufacturing/index.html)

Articles

A. In journals

A1. International journals

1. **Filip F.G.** si D.A. Donciulescu (1983). On an on-line direct dynamic coordination method in process industry. **IFAC J. Automatica**, **19**(3) (Pergamon Press), 317-320.
2. **Filip F.G.**, G. Neagu, D. Donciulescu (1983). Jobshop scheduling optimisation in real time production control. **Computers in Industry**, **4**(4) (North Holland), 395-403.
3. **Filip F.G.**, D. Donciulescu, R. Gaspar, M. Muratcea, L. Orasanu (1985). Multilevel optimisation algorithms in computer aided production control in the process industries. **Computer in Industry**, **6**(1) (North Holland), 47-57.
4. **Filip F.G.**, D. Donciulescu, M. Muratcea (1985). A comparison of different coordination control in the process industries. **Advances in Modelling & Simulation**, **4**(1) (AMSE Press, Paris) 41-52.
5. **Filip F.G.**, D. Donciulescu, A. Majaru, Irina Socol, D. Bara (1989). External and conceptual models in DSS. **J. of Syst. Anal. Model. Simul.** **7**(2) (Akademie Verlag, Berlin), 507-512.
6. Guran M., **Filip F.G.**, D. Donciulescu, L. Orasanu (1985). Hierarchical optimisation in computer aided dispatcher system in the process industry. **Large Scale System**, **8** (North Holland), 157-167.
7. **Filip F.G.** (1989). Creativity and Decision Support System **Studies and Researches in Computer and Informatics**, **1**(1) 41-49.
8. **Donciulescu, A.-D., Filip, F.-G (1985)**. DISPECER-H — A decision supporting system in water resources dispatching, **Annual Review in Automatic Programming (Elsevier)** Vol. 12, part. 2
9. **Orasanu, L. Gaspar, R., Filip, F.G., (1985)** A CAD system of the physical control structure for large scale systems. **Annual Review in Automatic Programming**, (Elsevier), **Vol. 12** (January), Part. 1, p. 445-448.

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10. **Filip F.G.** (1990). System analysis and expert systems techniques for operative decision making. **J. of Syst. Anal. Model. Simul.** **8**(2) (Akademie Verlag, Berlin), 296-404.
11. **Filip F.G.**, J. Sindelar (1990). Programy pro pocitacova rizebi vyrobnich procesu. **Automatizace**, Praha.

12. **Filip F.G.** (1990). A solution for sparse system with relatively constant parameters. **Studies and Researches in Computers and Informatics** (new series), **1**(2), 19-38.
13. **Filip F.G.** (1990). Review of the book "Engineering Simulation: Tools and Application Using the IBM PC Family (by M. Shah). **Studies and Researches in Computers and Informatics** (new series), **1**(6), 129-130.
14. Donciulescu D., F. Ellis, **F.G. Filip**, P.D. Roberts (1990). An approach to operational production control under uncertainties. **Studies and Researches in Computers and Informatics** (new series), **1**(1), 83-98.

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15. **Filip F.G.** (1991). Decision support system in process coordination, part 1. Modelling issues. **Studies and Researches in Computers and Informatics** (new series), **1** (3), 77-110.
16. **Filip F.G.** (1991). Decision support system in process coordination, part 2. Technology issues. **Studies and Researches in Computers and Informatics** (new series), **1** (4), 27-46.
17. **Filip F.G.** (1991). Review of the book "Analysis and Design of Hierarchical control System with Special Reference to Steel Plant Operations" (Th. Williams, Ed). **Studies and Researches in Computers and Informatics** (new series), **1** (3) 131-132.
18. **Filip F.G.** (1991). Review of the book: "A Reference Model for Computer Integrated Manufacturing (T. J. Williams, Ed.). **Studies and Researches in Computers and Informatics** (new series), **1** (4) 101-103.

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19. **Filip F.G.** (1992). Foreword. **Studies in Informatics and Control**, **1** (1), p. 5.
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21. **Filip F.G.**, P.D. Roberts and J. Zhang (1992). Combined numeric/knowledge based hierarchical control; Part I: A survey of reported results. **Studies in Informatics and Control**, **1**(2), 87-98 (<http://www.staff.ncl.ac.uk/jie.zhang/zhangp.htm>).
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24. **Filip F.G.** (1992). Review of the book: "Intelligent Design and Manufacturing" (A. Kusiak Ed.). **Studies in Informatics and Control**, **1(4)**.

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41. **Filip, F., Popescu , D., Mateescu, M. (2008)**. Optimal decisions for complex systems-software packages. **Mathematics and Computers in Simulation**, **76** , (5-6) (January): 422-429. (ISSN: 0378-4754) , p. 422-429.(http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V0T-4NHM55M-4&_user=10&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=26e7ecc65047d60610caaecebbb29cc2)
42. Duta, L., **Filip, F.G.** , Henrioud, J. M., Popescu , C. (2008). Disassembly Line Scheduling with Genetic Algorithms. **International Journal of Computers , Communication, and Control - IJCCC** **3** (3), 270-280

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48. Zemouri , R., **Filip, F.G.** , Minca, E., Racoceanu, D., Zehrouni, N. (2009). Boosting the performances of neural network by fuzzy min-max. **ROMJIST**, 12(1), 69-90 (<http://www.imt.ro/romjist/>)

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- 50 **Filip F.G.**(2011). Designing and building modern information systems; A series of decisions to be made. **Computer Science Journal of Moldova**, vol.19, no.2(56),119-129.
- 51 Nicoara E.S, **Filip F.G.**, Paraschiv N. (2011). Simulation –based optimization using genetic algorithms for multi-objectives flexible JSSP. **Studies in Informatics and Control**, 20 (4),333-344.

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54. Suduc A.M.,Bizoi M.,**Filip, F.G.** (2012). Usability in Scientific Databases. **Computer Science Journal of Moldova**, vol.20, no.2(59), 147-161.

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A2 National journals

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6. **Filip F.G.** (1982). Recenzia cartii: "Dinamica sistemelor mari" (de F. Stanciulescu), **BRI**, **III**(3), 121-126.
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12. **Filip F.G.**, D. Donciulescu si L. Orasanu (1980. Simpozionul "Sisteme mari: teorie si aplicatii", **BRI**, **II(4)**, 96-98.
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