

1. Filip, F.G., Dragomirescu, H., Predescu, R., et al.

IT tools for foresight studies

Studies in Informatics and Control vol.13, no.3: 161-8 Sept. 2004



Inspec

2. Duta, L., Filip, F.G., Henrioud, J.-M.

A method for dealing with multi-objective optimization problem of disassembly processes

Proceedings of the 2003 IEEE International Symposium on Assembly and Task Planning (ISATP2003) (Cat. No03TH8673) 163-8 2003



Inspec

3. Filip, F.G., Donciulescu, D.A., Filip, Cr.I.

Towards intelligent real-time decision support systems for industrial milieu

Studies in Informatics and Control vol.11, no.4: 303-11 Dec. 2002



Inspec

4. Popovici-Vlad, O., Curaj, A., Filip, F.G., et al.

Evolutionary brainway-a possible type of control structure for humanoid robots

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 471-6 2002



Inspec

5. Yamada, K., Filip, F.G., Dumitrache, I., et al.

Control structure of stabilizing controller for the minimum phase systems and design method of adaptive control systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 581-6 2002



Inspec

6. Amemiya, T., Filip, F.G., Dumitrache, I., et al.

Delay independent stabilization of delayed systems and quadratic stabilizability of uncertain delay-free linear systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 575-80 2002



Inspec

7. Yamada, K., Filip, F.G., Dumitrache, I., et al.

A parametrization for the class of all proper stabilizing controllers for linear minimum phase systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 569-74 2002



Inspec

8. Hennes, J.-C., Castelan, E.B., Filip, F.G., et al.

Invariant polyhedra and control of large scale systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 563-8 2002



Inspec

9. Brdys, M.A., Foo, S.M., Filip, F.G., et al.
alpha =(1,2) inverse control of speed and flux in voltage-fed induction motor
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 557-62 2002
 Inspec
10. Gessing, R., Filip, F.G., Dumitrache, I., et al.
Discrete-time linear-quadratic output regulator for multivariable systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 551-6 2002
 Inspec
11. Arnold, E., Dietze, S., Filip, F.G., et al.
Nonlinear moving horizon state estimation of an activated sludge model
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 545-50 2002
 Inspec
12. Brdys, M.A., Konarczak, K., Filip, F.G., et al.
Dissolved oxygen control for activated sludge processes
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 539-44 2002
 Inspec
13. Brdys, M.A., Zhang, Y., Filip, F.G., et al.
Robust hierarchical optimising control of municipal wastewater treatment plants
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 531-8 2002
 Inspec
14. Katebi, M.R., Filip, F.G., Dumitrache, I., et al.
H/sub infinity / state estimation in activated sludge processes
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 525-30 2002
 Inspec
15. Chotkowski, W., Makinia, J., Brdys, M.A., et al.
Mathematical modelling of the processes in integrated municipal wastewater systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 511-23 2002
 Inspec
16. Culita, J., Iuliana, S., Caramihai, S.I., et al.
Monitoring the desynchronizing dysfunctions in flexible manufacturing systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 505-10 2002
 Inspec

17. Favela, A., Cruz, B., Filip, F.G., et al.

Discrete transition enabling properties applied to a hybrid automaton model

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 499-504 2002



InspeC

18. Dumitrache, I., Caramihai, S.I., Culita, J., et al.

Intelligent autonomous agents for manufacturing

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 493-8 2002



InspeC

19. Kurovsky, M., Alla, H., Filip, F.G., et al.

Analysis and control of manufacturing systems: a hybrid approach

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 487-92 2002



InspeC

20. Dumitrache, I., Filip, F.G., Dumitrache, I., et al.

Hybrid intelligent techniques in manufacturing systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 477-85 2002



InspeC

21. Shimizu, H., Mashiba, H., Sobata, Y., et al.

Optimization of signal control parameters for two-way traffic arterials

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 465-70 2002



InspeC

22. Manesis, S.A., Filip, F.G., Dumitrache, I., et al.

Hard platooning versus soft platooning in large-scale highway transportation systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 457-63 2002



InspeC

23. Kotsialos, A., Papageorgiou, M., Filip, F.G., et al.

Nonlinear optimal control applied to coordinated ramp metering in the Amsterdam ring-road

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 451-6 2002



InspeC

24. Radulescu, C.Z., Radulescu, M., Filip, F.G., et al.

Decision analysis for the project selection problem under risk

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 445-50 2002



InspeC

25. Resteanu, C., Mitan, E., Masei, S., et al.

Production planning method for supporting processing business in petrochemistry

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 439-44 2002



InspeC

26. Zamfirescu, C.-B., Candea, C., Luca, M., et al.

On integrating agents into GDSS

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 433-8 2002



InspeC

27. Popescu, D., Serbanescu, M., Filip, F.G., et al.

Software package for optimal decisions in large scale systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 427-32 2002



InspeC

28. Groumpos, P., Kusimov, S., Ilyasov, B., et al.

The approach to develop the distributed information decision support system

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 421-5 2002



InspeC

29. Gheorghe, A.V., Vamanu, D.V., Filip, F.G., et al.

Disaster risk management decision tools

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 413-19 2002



InspeC

30. Radu, C., Dinu, R., Dinu, S., et al.

Overview of the risk legislation

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 409-12 2002



InspeC

31. Kafka, P., Filip, F.G., Dumitrache, I., et al.

New challenges for risk assessment tools for new kind of decisions

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 403-8 2002



InspeC

32. Kroger, W., Filip, F.G., Dumitrache, I., et al.

Safety of complex technical systems - needs for a risk and governance approach.

Introductory remarks

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 395-402 2002



InspeC

33. Bakule, L., Rodellar, J., Rossell, J.M., et al.

Overlapping LQ control of discrete-time time-varying systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 389-94 2002



34. Karcianas, N., Filip, F.G., Dumitrache, I., et al.

System, design, redesign for decentralised control

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 383-8 2002



35. Aybar, A., Iftar, A., Filip, F.G., et al.

Decentralized control design for interconnected discrete-event systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 379-82 2002



36. Ikeda, M., Guisheng Zhai, Uezato, E., et al.

Centralized design of decentralized stabilizing controllers for large-scale descriptor systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 373-8 2002



37. Fagarasan, I., Ploix, S., Gentil, S., et al.

Bounding approach for fault detection and diagnosis [nuclear fuel reprocessing]

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 367-72 2002



38. Arsene, P., Fagarasan, I., Barbulea, S., et al.

Observers approach regarding thermal processes fault detection

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 361-5 2002



39. Ariton, V., Filip, F.G., Dumitrache, I., et al.

Abstraction levels for the fault isolation in multifunctional conductive flow systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 355-60 2002



40. Stoica, V., Coconu, C., Ionescu, F., et al.

Parallel implementation of image filtering algorithms in multiprocessor systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 349-54 2002



41. Cernega, D.C., Minzu, V., Filip, F.G., et al.
The computation of the supremal controllable language for an assembly workstation
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 343-8 2002



42. Grosu, I., Arotaritei, D., Corduneanu, C., et al.
Control of chaotic population dynamics using OPCL method
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 339-41 2002



43. Teodorescu, H.-N., Stoica, A., Mlynek, D., et al.
Nonlinear dynamics sensitivity analysis in networks and applications to sensing
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 333-8 2002



44. Creanga, I.Al., Creanga, D.E., Stan, C., et al.
Evidence of non linear dynamics in forestry ecosystems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 325-32 2002



45. Mihaila, M.N., Scheffer, F., Heedt, C., et al.
Nonlinear effects in the 1/f noise of a 2D electron gas
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 319-24 2002



46. Jaskola, P., Malinowski, K., Filip, F.G., et al.
Gasoline blend optimisation as a local unit in hierarchical system
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 313-18 2002



47. Hadjiski, M., Boshnakov, K., Filip, F.G., et al.
Multilevel fuzzy control of esterification reactor
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 307-12 2002



48. Stoilova, K., Ivanova, Zl., Stoilov, T., et al.
Two level noniterative control
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 301-6 2002



49. Magiera, P., Karbowski, A., Filip, F.G., et al.
Dynamic portfolio optimization with expected value-variance criteria
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 295-300 2002



50. Saeki, O., Tsuji, K., Sawai, K., et al.

An application of interior point method to 0-1 mixed integer programming problems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 289-94 2002



51. Abu-el-zeet, Z.H., Becerra, V.M., Roberts, P.D., et al.

Steady-state optimisation using data reconciliation and bias estimation

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 283-8 2002



52. Ebihara, Y., Hagiwara, T., Filip, F.G., et al.

Multiobjective state-feedback control design with non-common LMI solutions: a subspace approach

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 277-82 2002



53. Roberts, P.D., Becerra, V.M., Filip, F.G., et al.

Hierarchical algorithm for optimal control of nonlinear differential algebraic equation systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 271-6 2002



54. Preitl, S., Precup, R.-E., Solyom, S., et al.

Development of conventional and fuzzy controllers for output coupled drive systems and variable inertia

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 261-9 2002



55. Sbarciog, F.A., Dugan, V., De Keyser, R., et al.

Experiences with a development tool for fuzzy modeling applications

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 255-60 2002



56. Precup, R.-E., Preitl, S., Preitl, Z., et al.

Robustness analysis of a class of fuzzy control systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).

Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 249-54 2002



57. Lakov, D., Filip, F.G., Dumitrache, I., et al.

Soft computing agents in intelligent routing tasks

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 243-8 2002



Inspec

58. Brdys, M.A., Lee, Y.H., Filip, F.G., et al.

Fuzzy logic scheduling in PI control of the servo system under high stiction torque

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 237-42 2002



Inspec

59. Neagu, C.-D., Kalapanidas, E., Avouris, N., et al.

Air quality prediction using neuro-fuzzy tools

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 229-35 2002



Inspec

60. Davrazos, G.N., Manesis, S.A., Koussoulas, N.T., et al.

Intelligent control for off-tracking elimination in long articulated vehicles with multiple semi-trailers

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 223-8 2002



Inspec

61. Barbat, B.E., Filip, F.G., Dumitrache, I., et al.

Agent-oriented captology for anthropocentric systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 217-22 2002



Inspec

62. Dobrescu, R., Ionescu, G., Popescu, D., et al.

A new process control strategy based on fieldbus

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 211-16 2002



Inspec

63. Voicu, M., Panescu, D., Dumbrava, S., et al.

Combining AI with simulation techniques in CIM control

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 205-10 2002



Inspec

64. Mahulea, C., Barsan, L., Pastravanu, O., et al.

MATLAB tools for Petri-net-based approaches to flexible manufacturing systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 199-204 2002



Inspec

65. Nitulescu, M., Filip, F.G., Dumitrache, I., et al.

Performance aspects of differential mobile robots integrated in CIM technology

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 193-8 2002



Inspec

66. Sugihara, H., Takao, R., Tsuji, K., et al.

A planning model of integrated energy service systems for a specific area

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 187-92 2002



Inspec

67. Brdys, M.A., Duzinkiewicz, K., Grochowski, M., et al.

Robust estimation of variables and parameters in dynamic water distribution systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 179-85 2002



Inspec

68. Brdys, M.A., Duzinkiewicz, K., Tarnawski, J., et al.

Two-layer control of integrated quality and quantity in dynamic water distribution systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 171-7 2002



Inspec

69. Alexandru, A., Buzuloiu, A., Filip, F.G., et al.

Supervision and diagnosis of complex PV power systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 165-9 2002



Inspec

70. Menniti, D., Pinnarelli, A., Scordino, N., et al.

Decentralized adaptive load frequency control in a multi-area power system

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 157-63 2002



Inspec

71. Andone, D., Dobrescu, R., Iliescu, S.S., et al.

Potential and application of fuzzy technology in power systems: a survey

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 151-6 2002



Inspec

72. Toma, L.D., Ioan, S., Filip, F.G., et al.

Control problems related to a balancing machine with magnetic bearings

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 145-50 2002



Inspec

73. Lepikson, H.A., Filip, F.G., Dumitrache, I., et al.
A new approach to shop floor management with autonomous units
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 139-44 2002
 Inspecc
74. Collart Dutilleul, S., Denat, J.-P., Filip, F.G., et al.
Periodic patterned control and periodic output flows
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 133-8 2002
 Inspecc
75. Takai, S., Ushio, T., Filip, F.G., et al.
Strong co-observability for decentralized supervisory control of discrete event systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 127-32 2002
 Inspecc
76. El-Kashlan, A., Filip, F.G., Dumitrache, I., et al.
Decentralized PI controller design by eigenvalues assignment
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 121-6 2002
 Inspecc
77. Vesely, V., Hypiuseva, M., Zvara, I., et al.
Decentralized robust output feedback controller design: centralized approach
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 115-20 2002
 Inspecc
78. Akazawa, K., Uesugi, K., Taji, K., et al.
Nonlinear model of evaluating the economic policies for global warming issue taking into account the competitiveness in international market
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 109-14 2002
 Inspecc
79. Fujita, S., Tamura, H., Filip, F.G., et al.
A group decision making model among multi-municipals for siting a refuse incineration plant
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 103-8 2002
 Inspecc
80. Tian, Y., Sannomiya, N., Filip, F.G., et al.
Modeling of fish schools on adaptive behavior under environmental variations
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 97-102 2002
 Inspecc

81. Stoilova, K., Ivanova, Z., Stoilov, T., et al.
Coordination and management in organizational systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 91-6 2002



82. Ikkai, Y., Ishihara, K., Honda, S., et al.
A high speed planning method by grouping jobs by characteristic of their constraints in a process ordering problem using spare jobs
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 85-90 2002



83. Tamaki, H., Kitamura, S., Filip, F.G., et al.
A meta-heuristic solution for identical parallel machine scheduling with earliness and tardiness penalties
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 79-84 2002



84. Ould-Louly, M.-A., Dolgui, A., Filip, F.G., et al.
A dynamic single-stage multi-item inventory control model
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 73-8 2002



85. Merezeanu, D., Andone, D., Filip, F.G., et al.
Applications of QBD process in the study of tandem queueing systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 67-72 2002



86. Stylios, C.D., Groumpos, P.P., Filip, F.G., et al.
Fuzzy Cognitive Maps multi-model for complex manufacturing systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 61-6 2002



87. Oltean, V.E., Iliescu, S.S., Arsene, P., et al.
Building the DES-plant model in a class of hybrid control systems
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 55-60 2002



88. Jun Zhou, Hagiwara, T., Filip, F.G., et al.
 H_2 and H_∞ norms of continuous-time periodic systems - the skew truncation approach: convergence and computations
9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 49-54 2002



89. Stanciulescu, F., Filip, F.G., Dumitrache, I., et al.

Mathematical-heuristic modelling: a new approach of high complexity systems modelling and its applications

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 43-8 2002



InspeC

90. Bratcu, A., Minzu, V., Filip, F.G., et al.

Modeling and analysis of self-balancing manufacturing lines as hybrid dynamic systems

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 37-42 2002



InspeC

91. Groumpos, P.P., Filip, F.G., Dumitrache, I., et al.

Complex systems and intelligent control: issues and challenges

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 29-36 2002



InspeC

92. Ikeda, M., Kunimoto, N., Filip, F.G., et al.

Vibration suppression design of adaptive structures: an application of control theory

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 19-27 2002



InspeC

93. Roberts, P.D., Filip, F.G., Dumitrache, I., et al.

Optimal control using integrated system optimisation and parameter estimation

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 7-18 2002



InspeC

94. Cassandras, C.G., Filip, F.G., Dumitrache, I., et al.

Complexity made simple - at a small price

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 1-5 2002



InspeC

95. Filip, F.G., Dumitrache, I., Iliescu, S.S.

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01). Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium

9th IFAC Symposium on Large Scale Systems: Theory and Applications 2001 (LSS'01).
Proceedings volume from the 9th IFAC/IFORS/IMACS/IFIP Symposium 2002



InspeC

96. Filip, F.G., Filip, C.L., Groumpos, P.P., et al.

Decision support systems: from job aids to intelligent assistants

Manufacturing, Modeling, Management and Control (MIM 2000) Proceedings volume from the IFAC Symposium 429-34 2001



Inspec

97. Zamfirescu, C.B., Filip, F.G., Tjoa, A.M., et al.

Supporting self-facilitation in distributed group decisions

Proceedings 13th International Workshop on Database and Expert Systems Applications. DEXA 2002 321-5 2002



Inspec

98. Duta, L., Filip, F.G., Henrioud, J.M.

Conceptual modeling of the disassembly processes

Studies in Informatics and Control vol.11, no.2: 177-84 June 2002



Inspec

99. Kerckhoffs, E.J.H., Alla, H., Bobeanu, C.-V., et al.

Using a repository model base to support a Petri net-based multifaceted modelling of complex manufacturing systems

Simulation in Industry. 9th European Simulation Symposium 1997. ESS'97 728-35 1997



Inspec

100. Resteanu, C., Filip, F.-G., Stanescu, T.-S., et al.

Building pattern charts and fault trees for reliability, availability and maintainability analysis

Simulation: Past, Present and Future. 12th European Simulation Multiconference 1998. ESM'98. As Part of the 50th Anniversary Celebrations of the University of Manchester the Home of Computing 211-15 1998



Inspec

101. Filip, F.G., Koussoulas, N.T., Groumpos, P.P.

Decision support systems, human factors and hypointegrated enterprises

Large Scale Systems: Theory and Applications 1998 (LSS'98). Proceedings volume from the 8th IFAC/IFORS/IMAC/IFIP Symposium 399-403 vol.1 1999



Inspec

102. Zamfirescu, C.-B., Filip, F.-G., Nahavandi, S., et al.

From steering to coaching: a new challenge to executive support systems

Proceedings of the Second World Manufacturing Congress. WMC 1999. International Symposia on Manufacturing Systems - ISMS'99. Manufacturing Technology - ISMT'99. Manufacturing Management - ISMM'99 641-7 1999



Inspec

103. Resteanu, C, Filip, FG, Stanescu, S, et al.

A cooperative production planning method in the field of continuous process plants

INT J PROD ECON 64 (1-3): 65-78 MAR 1 2000



Web of Science



Current Contents Connect



Inspec

104. Zamfirescu, C.B., Barbat, B., Filip, F.G., et al.

The "coach" metaphor in CSCW decision making system design

Intelligent Systems for Manufacturing: Multi-Agent Systems and Virtual Organizations. Proceedings of the BASYS'98-3rd IEEE/IFIP International Conference on Information Technology for Balanced Automation Systems in Manufacturing 241-50 1998



105. Filip, FG, Donciulescu, AD, Neagu, G

Decision support for blend monitoring in process industries

COMPUT IND 36 (1-2): 13-19 APR 30 1998



106. Filip, F.G., Neagu, G., Donciulescu, D.A., et al.

DSSfM: from technology transfer to culture transfer in decision making

Proceedings of the 13th World Congress, International Federation of Automatic Control. Vol.B. Manufacturing, Social Effects, Bio-Production, Biomedical, Environment 367-72 1997



107. Filip, F.G., Alexandru, A., Socol, I.

Technology management and international cooperation: several success stories

Human Systems Management vol.16, no.3: 223-9 1997



108. Filip, F.-G.

DSS for enterprise and management reengineering: towards anthropocentric systems

Symposium on Modelling, Analysis and Simulation. CESA '96 IMACS Multiconference. Computational Engineering in Systems Applications 438-43 vol.1 1996



109. Donciulescu, A.D., Filip, F.G.

Production schedule extended optimization

Symposium on Control, Optimization and Supervision. CESA '96 IMACS Multiconference. Computational Engineering in Systems Applications 1265-9 vol.2 1996



110. Bobeann, C.-V., Filip, F.-G., Bruzzone, A.G., et al.

Advanced simulation tools using Petri nets as an implementation basis for modular systems paradigm

Simulation in Industry. 8th European Simulation Symposium. ESS'96 324-5 vol.2 1996



111. Resteanu, C., Filip, F.-G., Snorek, M., et al.

Simulation as complement to and substitute for optimization in DSS for petrochemical plants

European Simulation Multiconference 1995 462-7 1995



112. Bobeanu, C., Filip, F.-G., Snorek, M., et al.

Simulation-based DSS for production scheduling

European Simulation Multiconference 1995 457-61 1995



Inspec

113. Resteanu, C., Filip, F.-G., Ionescu, C., et al.

On optimal choice problem solving

1996 IEEE International Conference on Systems, Man and Cybernetics. Information Intelligence and Systems (Cat. No.96CH35929) 1864-9 vol.3 1996



Inspec

114. Filip, F.-G.

ITs applications in the culture domain: context, vision and models

Studies in Informatics and Control vol.5, no.4: 385-99 Dec. 1996



Inspec

115. Filip, F.-G., Donciulescu, A.-D.

Internal models and negotiations in the extended scheduling problem

Studies in Informatics and Control vol.5, no.4: 353-60 Dec. 1996



Inspec

116. Filip, F.G., Camarinha-Matos, L., Afsarmanesh, H.

Towards more humanized real time decision support systems

Balanced Automation Systems. Architectures and Design Methods. Proceedings of the IEEE/ECLA/IFIP International Conference on Architectures and Design Methods for Balanced Automation Systems, 1995 230-7 1995



Inspec

117. Bobeanu, C., Filip, F.-G.

ModCPN-an integrated set of tools for Petri nets-based modelling of manufacturing systems

Proceedings 1995 INRIA/IEEE Symposium on Emerging Technologies and Factory Automation. ETFA'95 (Cat. No.95TH8056) 95-103 vol.1 1995



Inspec

118. Filip, F.-G., Verbraeck, A., Kerckhoffs, E.J.

An object oriented multilayer model for scheduling

Proceedings of the 1993 European Simulation Symposium 173-80 1993



Inspec

119. Resteanu, C., Filip, F.-G., Ionescu, C., et al.

Knowledge-based simulation in multiattribute decision making

EUROSIM '95 Simulation Congress. Proceedings of the 1995 EUROSIM Conference, EUROSIM '95 1271-6 1995



Inspec

120. Filip, F.-G., Neagu, G.

Object oriented approach to software engineering for CIMIA

Studies in Informatics and Control vol.4, no.1: 47-58 March 1995



Inspec

121. Filip, F.G.

Trends and tools in systems analysis, modelling, simulation and control

Conference Proceedings. 1993 International Conference on Systems, Man and Cybernetics. Systems Engineering in the Service of Humans (Cat. No.93CH3242-5) 413-16 vol.4 1993



Inspecc

122. Filip, F.G.

Evolutions in systems analysis, modelling, and simulation in computer based industrial automation

Systems Analysis and Modelling Simulation vol.15, no.2: 135-49 1994



Inspecc

123. Filip, F.G., Neagu, G., Leiviska, K.

CIM in continuous and discrete manufacturing: object-oriented generic modelling

CIM in Process and Manufacturing Industries. IFAC Workshop 53-8 1993



Inspecc

124. FILIP, FG

SYSTEM-ANALYSIS AND EXPERT SYSTEMS TECHNIQUES FOR OPERATIVE DECISION-MAKING

SYST ANAL MODEL SIM 8 (3): 203-219 1991



Web of Science



Inspecc

125. Filip, F.G., Donciulescu, D.A., Socol, I., et al.

Models and data representation for computer-aided production control in large-scale industrial systems

Large Scale Systems: Theory and Applications 1989. Selected Papers from the 5th IFAC/IFORS/IMACS Symposium 311-16 1990



Inspecc

126. FILIP, FG, DONCIULESCU, DA, MAJARO, A, et al.

EXTERNAL AND CONCEPTUAL MODELS IN DECISION SUPPORT SYSTEMS

SYST ANAL MODEL SIM 6 (7): 507-512 1989



Web of Science



Inspecc

127. Filip, F.G., Donciulescu, D.A., Istrate, I.

Practical representation and optimization algorithm for large-scale systems with sparse structure

Proceedings of the 1988 IEEE International Conference on Systems, Man, and Cybernetics (IEEE Cat. No.88CH2556-9) 1330-3 vol.2 1988



Inspecc

128. Badea-Dinca, N., Filip, F.G., Neagu, G.

Computer aids for operations control in discrete part manufacturing and FMS

Proceedings of the 1988 IEEE International Conference on Systems, Man, and Cybernetics (IEEE Cat. No.88CH2556-9) 742-4 vol.1 1988



Inspecc

129. Donciulescu, D.A., Filip, F.G., Popescu, Th.D., et al.

Computer aided decision making in water retention and allocation

Large Scale Systems: Theory and Applications 1986. Selected Papers from the 4th IFAC/IFORS Symposium 761-6 vol.2 1987



Inspec

130. Filip, F.G., Donciulescu, D.A., Kotob, S.

DISPATCHER-R: a computer aid in modelling and operational control in refineries

Automatic Control in Petroleum, Petrochemical and Desalination Industries. Proceedings of the IFAC Workshop 63-8 1986



Inspec

131. Donciulescu, A.D., Filip, F.G., Sydow, A., et al.

DISPECER-H-A decision supporting system in water resources dispatching

Systems Analysis and Simulation 1985. Proceedings of the 2nd International Symposium 263-6 vol.2 1985



Inspec

132. Orasanu, L., Gaspar, R., Filip, F.G., et al.

A CAD system of the physical control structure for large scale systems

Systems Analysis and Simulation 1985. Proceedings of the 2nd International Symposium 445-8 vol.1 1985



Inspec

133. FILIP, FG, DONCIULESCU, DA, GASPARG, R, et al.

MULTILEVEL OPTIMIZATION ALGORITHMS IN COMPUTER-AIDED PRODUCTION CONTROL IN PROCESS INDUSTRY

COMPUT IND 6 (1): 47-57 1985



Web of Science



Inspec

134. GURAN, M, FILIP, FG, DONCIULESCU, D, et al.

HIERARCHICAL-OPTIMIZATION IN COMPUTER-AIDED DISPATCHER SYSTEMS IN THE PROCESS INDUSTRY

LARGE SCALE SYST 8 (2): 157-167 1985



Web of Science



Inspec

135. Filip, F.G., Donciulescu, D.A., Muratcea, M., et al.

Industrial applications of hierarchical optimization methods

Large Scale Systems: Theory and Applications 1983. Proceedings of the IFAC/IFORS Symposium 455-60 1984



Inspec

136. Orasanu, L., Gaspar, R., Filip, F.G., et al.

Two CAD systems of large scale control structures

Real Time Control of Large Scale Systems (preprints received) 476-84 1984



Inspec

137. Filip, F.G., Neagu, G., Donciulescu, D.A.

Job shop scheduling optimization in real-time production control

Computers in Industry vol.4, no.4: 395-403 Dec. 1984



Inspec

138. FILIP, FG, NEAGU, G, DONCIULESCU, DA

JOB SHOP SCHEDULING OPTIMIZATION IN REAL-TIME PRODUCTION CONTROL

COMPUT IND 4 (4): 395-403 1983



Web of Science

139. FILIP, FG, DONCIULESCU, DA

ON AN ONLINE DYNAMIC DIRECT COORDINATION METHOD IN PROCESS INDUSTRY

AUTOMATICA 19 (3): 317-320 1983



Web of Science



Inspec

140. Filip, F.G., Donciulescu, A.D., Muratcea, M., et al.

Hierarchical control of large scale chemical and metallurgical systems

Large Scale Systems Theory and Applications. Proceedings of the IFAC Symposium 563-75 1981



Inspec