Acad. Florin Gheorghe Filip
Scientific coordinator in the domain "System Engineering"
Doctoral school Automatic Control and Computers
University Politehnica of Bucharest

Contact:
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Research profile:
- Decision support and automatic control of large, complex systems
- Analysis, modelling and simulation in industrial computer-based automation
- Complexity and intelligence of natural and artificial complex systems

Ph.D. coordinator since 1992
- 24 theses finalised;
- 1 ongoing.

Scientific publications: 9 monographs, 21 volumes with contributions, 260+ articles and papers in journals and conference proceedings

Research projects (selection, on the last 10 years):
- Aggregating digital content from Europe's libraries", project European Libraries; Grant A. N. 270933 (2010-2012)
- ATHENA Plus (http://www.athenaplus.eu/ ; http://www.biblacad.ro/athenap.html) (2013-2015
- ForSociety - "Laying the Foundations for an ERA-NET on Foresight and Society" (contract ERAS-CT-2003-003231)
- ROINTERA - "Romanian Research Community Integration in the European Research Area" (contract INCO-CT-2003-510469), (www.rointera.ro)
- ROMOB - "Romanian Mobility Center" (contract FP 6 - 513461)
- ForSociety -"Transnational Foresight ERA Net" ((http://195.251.117.130/ForSociety/partners/index.html)

Chair and membership in scientific organisations and committees, editorial boards, scientific awards
- Member of the Romanian Academy (correspondent since 1991, titular since 1999)

- President of Section XIV "Information Science and Technology" of the Romanian Academy, 2010-2011
- General Director of the Romanian Academy Library, 2012-present
- Editor in chief of the journal "Studies in Informatics and Control"-SIC (since 1991), journal indexed ISI Thomson
- Editor in chief of the journal "International Journal for Computers, communication and Control" (since 2006) , indexed ISI Thomson
- Chairman of the IFAC Technical Committee TC 5.4 "Large Scale-Complex Systems", 2003-2008
- Member of IFAC - IFIP ("International Federation of Information Processing") Task-Force "Architectures for Enterprise Integration" (since 1995)
- Honour member (together with two Nobel laureates) of PITCH ("Association For the Promotion of International Technological Co-operation for Humanistic Ends") (din2000) (http://www.pitchworld.org/pitch+honorary-committee.htm

Doctoral research themes proposed:

- Hierarchical control and computing methods
- Real-time hierarchical information systems
- Decision support systems based on the theory of collaborative control
- Applications of complex systems in medicine
- High performance computing in biomedicine