







PERSONAL INFORMATION **George Pagkalos**



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Sex Male | Born Athens, Greece | Nationality Greek

CURRENT POSITION

- Professor, Faculty of Technology, Aristotle University of Thessaloniki (AUTH)
- Director, Informatics and Information Security Laboratory (AUTH)

WORK EXPERIENCE

- 1990 - today **Professor**
Aristotle University of Thessaloniki, Thessaloniki, Greece
- Professor on Informatics and I.T. Security and director of the Informatics and Information Security Laboratory of AUTH (established 1992, one of the biggest of the Faculty)
- Business or sector:** Faculty of Technology ('Polytechniki Scholi')
- 2010 - 2014 **President IDIKA**
National I.T. Center for e-Government Applications in Social Security and Health, Athens, Greece
- Organization responsible for all national level e-Government applications in social security and health (national e-prescription project, AMKA national directory, Health information systems, hospital information systems support, etc)
- Business or sector:** State owned company (S.A., 500 employees)
- 2001-2003 **President and Director General (CO)**
Regional Health System (PESY) of Thessaly, Larissa, Greece
- Responsible for establishing and managing the Regional Healthcare System and the regional Health Information System of Thessaly
- Business or sector:** Regional Health Authority (responsible for approx. 1 million citizens)
- 1997- 1997 **Visiting Professor**
University of Rhode Island, RI, U.S.A
- Research, Teaching, Project Work.
- Business or sector:** Computer Science Department
- 1986-1990 **Associate Professor (L.407)**
University of the Aegean, Greece.
- Teaching, Research, Project Work (part of the initial group of five staff members that established the department and its infrastructure)
- Business or sector:** Mathematics and Computer Science Department
- 1993-1993 **Visiting professor**
University of Rhode Island, RI, U.S.A
- Research, Teaching, Project Work
- Business or sector sector:** Computer Science and Statistics Department

- 1979-1989 **Director of Informatics division**
Greek Productivity Centre, Informatics Institute, Athens, Greece
- Responsible for all projects and studies on informatics undertaken by the institute, director of the under and postgraduate schools on I.T. (unique at that time in Greece).
- Business or sector:** Institute of Informatics, Public Sector.
- 1976-1979 **Scientific Fellow**
Charring Cross Hospital, London, U.K.
- Development of Hospital Information Systems – research work on health informatics
- Business or sector:** Medical Informatics Division
- 1974-1975 **Scientific Fellow**
St. Mary's University Hospital, London, U.K.
- Development of Medical Information Systems – research work on medical databases design and implementation
- Business or sector:** Informatics Division

EDUCATION AND TRAINING

- 1975-1979 **Doctor of Science degree (Ph.D.) in Computer Science**
University of London (University College London), London, UK.
- Computer Science, Information Systems Design, Health information systems design
- 1974-1975 **Master of Science degree (M.Sc.) in Computer Science**
University of London (University College, Westfield College), London, UK.
- Computer Science, Information Systems Design, and Implementation.
- 1973-1974 **Postgraduate Degree in Systems Analysis**
Informatics State School, Athens, Greece
- Information Systems Analysis and design, Systems Analysis (2 years)
- 1969-1973 **Bachelor of Science (B.Sc.) Degree (4 Years) in Mathematics**
National University of Athens, Athens, Greece
- Mathematics

MANAGEMENT EXPERIENCE

- 1990-today **Director, Informatics and Information Security Laboratory of AUTH**
Faculty of Technology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- Responsible for the educational and the extensive research and project work undertaken by the laboratory
- 2010-2014 **President, IDIKA S.A.**
State center for e-Government Applications in Social Security and Health (500 employees)
- Responsible for overall management of the center (president of the Board)
- 2001-2003 **President and Director General, PESY.**
Regional Health Authority (PESY) of Thessaly, Larissa, Greece (85 employees)

- Regional Health Authority responsible for the entire regional Healthcare System of the province of Thessaly (1 million citizens, 5 major state hospitals, primary care network) and the regional Health Information System

1979-1989 Director, Informatics Division, ELKEPA

Greek Productivity Centre, Informatics Institute, Athens, Greece (35 employees)

- Responsible for both the undergraduate and postgraduate schools on I.T. (the only official state school at that time in Greece) and for all projects and studies (for the public and private sector and the E.U.) on informatics undertaken by the institute.

PERSONNAL SKILLS

LANGUAGES COMPETENCE
(self-assessment *)

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	5	excellent	5	excellent	5	excellent	5	excellent	5	excellent
French	1	basic	1	basic	1	basic	1	basic	1	Basic
Greek	5	excellent	5	excellent	5	excellent	5	excellent	5	excellent

(*) Competence on a scale of 1 to 5 (: 5 - excellent; 1 - basic)

**OTHER ASSIGNEMENTS
AND COMPETENCES**

- National Representative of Greece to the European Union’s FP7 Security Research Program SRP/FP7 (2004–2012)
- President of the Greek Computer Society (Nothern Greece) (1999–2003)
- President of the Education and Research Working Group of the Greek Coputer Society (1996 – 1999)
- President and Member of the Board of the (Brussels based) Confederation of European Computer Users Association (CECUA) (1988-1991, 1991-1993)
- Representative of Greece to the Inernational Medical Informatics Association (IMIA)
- Frequently chosen research proposal evaluator by the European Commission (twice prized as best evaluator)
- Vice-President of the Greek Medical Informatics Association (GMIA) (1992-1996)
- Co-founder and Director of the IT Support center of AUTH (10.000 staff, 55.000 students, www.itc.auth.gr) (1991-2011)
- Scientific coordinator of the AUTH Computer Forensics research group
- Scientific coordinator of the AUTH e-health research group
- Scientific coordinator of the AUTH information security research group
- Member of the supreme state technical advisory board for the approval of I.T. procurements in the Greek public sector (1980 – 1990)
- Member of the research management committee of AUTH (2007-today)

I. PUBLICATIONS

- Over 200 Articles in International Scientific Journals and Conferences. Mainly on informatics, e-health and information security related topics

(see Annex 1, below)

II. BOOKS

- 12 international books (author or co-author) on informatics, e-health and information security related topics

(see Annex 1, below)

- 14 books in Greek (author or co-author) on informatics, e-health and information security related topics

(see Annex 1, below)

III. IMPLEMENTATION OF RESEARCH PROJECTS AND STUDIES

- Project leader / expert in a significant number (more than 50) major international and several national research projects and studies in informatics, e-health, e-Gov, information security, etc.

(see annex 1, below)

IV. FORMULATION / SELECTION / EVALUATION OF EU PROGRAMS / PROJECTS

- Extensive experience as expert / proposals evaluator, after an invitation from the EU, for the formulation of EU research programs, and the evaluation / selection / progress of several EU projects

(see annex 1, below)

V. MANAGEMENT EXPERIENCE

- Responsible (as manager, president, etc.) for coordinating and motivating several groups of people
- Director / CEO of several departments / organizations
- Involved (as president, member of board, etc.) in several national and international professional bodies, social and other organizations

(see also annex 1 below)

ANNEX 1

I. SCIENTIFIC PUBLICATIONS

- G. Pangalos, I. Salmatzidis and I. Pagkalos, Using IT to provide easier access to cross-border legal procedures for citizens and legal professionals - implementation of a European Payment Order eCODEX pilot, International Journal for Court Administration (IJCA), Vol. 6, No. 2, December 2014
- G. Pangalos, V. Sfyroeras and I. Pagkalos, e-Prescription as a tool for improving services and the financial viability of healthcare systems: the case of the Greek national e-prescription system, Int. J. Electronic Healthcare, Vol. 7, No. 4, 2014.
- G. Pangalos, I. Salmatzidis and I. Pagkalos, IT at the service of citizens and legal professionals' cross-border access to legal means in Europe: The Greek e-Justice pilot of European Payment Order, 6th International Conference on Information Law and Ethics (ICIL 2014), Thessaloniki, 2014
- S. Veloudis, G. Pangalos, et.al., A formal framework to support dynamic authorisation in collaborative environments, Int. J. Computational Science and Engineering, Vol. 9, No. 4, 2014
- A. Tsiampiris, G. Pangalos, et.al., Geometrical Facial Feature Selection for Person Identification, 16th International Conference on Information Fusion, Istanbul, Turkey, July, 2013.
- G. Pangalos, N. Adamou, et.al, Using e-prescription as a tool for providing better services and achieving a sustainable stability of the healthcare system, ICABE 2013, International Conference on Applied Business and Economics, New York, USA, September 2013.
- G. Pangalos, N. Nader and I. Pagkalos "Using the NETC@RDS approach as a basis for cross-border electronic authentication, 12th IFIP Conference on e-Business, e-Services, e-Society, IFIP WG 6.11, Athens, 2013
- G. Pangalos, D. Asimakopoulos et.al., The new Greek national e-prescription system: an effective tool for improving quality of care and containing medication costs, Studies in Health Technology and informatics;190:13-7, 2013
- Above: Also published in International Conference on Informatics, Management and Technology in Healthcare 2013 (ICIMTH 2013), 2013
- D. Baltatzis, G. Pangalos, et. al., 'A formal framework to support dynamic authorization to on line collaborative environments', Information Security Journal, vol. 21, no. 1, pp. 12-27, 2012
- D.Baltatzis, G. Pangalos, et. al., A Role Engineering Framework to Support Dynamic Authorizations in Collaborative Environments, Information Security Journal: A Global Perspective, Taylor and Francis Group, Vol. 21, pp12-27, 2012.
- A. Zaharis A., Martini A., Pangalos G., et. al., Reconstructive Steganalysis by Source Bytes Lead Digit Distribution Examination, WDFIA 2011: 55-68, 2011.
- A. Zaharis, G. Pangalos, et.al., Lightweight Steganalysis Based on Image Reconstruction and Lead Digit Distribution Analysis, International Journal of Digital Crime and Forensics (IJDCF), Volume 3, Issue 4, 2011.
- G. Pangalos, C. Ilioudis, I. Pagkalos, The Importance of Corporate Forensic Readiness in the Information Security Framework, 19th IEEE International Workshop on Enabling Technologies: Infrastructures for Collaborative Enterprises, WETICE 2010, p. 12-16, June, 2010
- G. Vakaros, G. Pangalos, K-bass: A Knowledge-Based Access Security System For Medical Environments, 4th International AIS / IFIP Conference on Information Systems (MCIS-2009), Athens, 2009
- A. Samaras, G. Pangalos, et.al., 'Using Artificial Immune Systems for Improving Security: the Autonomous Detector Negative Selection Algorithm', International Informatics Conference, Greek Computer Society, Kerkira, 2009

- A. Samaras, G. Pangalos, et.al., Using nature and bio-inspired technologies for building innovative proactive security mechanisms, 5th CEPE International Informatics Conference, 2009.
- G. Pangalos, V. Kattos, Information assurance and computer readiness, e-democracy international conference, Athens, 2009.
- G. Pangalos, S. Kortesis, et.al., Deployment of the NETC@RDS Service: a new step towards the electronification of the European Health Insurance Card, 5th international EMMIT conference, Lebanon, 2009.
- Georgiadis C., Baltatzis D., and Pangalos G., "Secure mobile agent environments: modeling role assignments", in Int. J. Electronic Security and Digital Forensics, Interscience, Vol. 1, No. 3, pp. 249-267, 2008.
- S. Spyrou, G. Pangalos, et.al., A methodology for reliability analysis in health networks, IEEE transactions on information technology in biomedicine, Vol. 12, No. 3, May, 2008
- S. Kortesis, G. Pangalos, et.al., "An alternative approach towards the Introduction of the European Health Insurance Card - results achieved and lessons learnt from NETC@RDS initial deployment phase", 4th eGovernment and eHealth International Conference, Milan, Italy, 2008
- Mavridis, G. Pangalos, et.al, "Supporting Dynamic Administration of RBAC in Web-based Collaborative Applications during Run-time", International Journal of Information and Computer Security, Vol.2, No.4, pp.328 – 352, 2008.
- G. Pangalos, et.al, "Deployment of the netc@rds service: a new step towards the electronification of the European Health Insurance Card," EMMIT2008, 4th international medical informatics and telemedicine conference, March, 2008.
- Bratsas, G. Pangalos, et.al, KnowBaSICS-M: an ontology-based system for semantic management of medical problems and computerized algorithmic solutions, Computer Methods and Programs in Biomedicine Journal, 11/2007; 88(1):39-51, 2007.
- A. Mattas, I. Mavridis and G. Pangalos, "An Implementation of Dynamically Administered Role-based Access Control on the Web," International Review on Computers and Software Journal, Print ISSN:1828-6003, ISSN: 1828-6011, Vol. 2, No. 3, 2007.
- C. Ilioudis, D. Baltatzis, G. Pangalos, Securing Healthgrid Environments, SECRIPT'07 International Conference on security and cryptography, Barcelona, Spain, 2007
- G. Pangalos, S. Kortesis, et.al., "improving access to national health care systems with the use of advanced smart card technology," Proceedings EMMIT 2007, 3rd international conference on medical informatics and telemedicine, Mangalia, Romania, May, 2007.
- S. Kortesis, G. Pangalos, "NETC@RDS: towards the Introduction of the European Health Insurance Card," Hospital Healthcare Europe journal, Vol. 8, 2007.
- A. Mattas, I. Mavridis, C. Ilioudis, G. Pangalos, "Dynamic Access Control Administration for Collaborative Applications", Proceedings of 10th WSEAS International Conference on Computers, Greece, 2006.
- A. Mattas, I. Mavridis, G. Pangalos, "A Paradigm for Dynamic and Decentralized Administration of Access Control in Workflow Applications," Proceedings of 21st IFIP International Information Security Conference (SEC 2006), Karlstadt, Sweden, published by Springer, May, 2006.
- S. Kortesis, G. Pangalos, et.al, "An alternative approach towards the Introduction of the European Health Insurance Card", Hospital Healthcare Europe, Vol. 9, 2006.
- M. Hassapidou, G. Pangalos, S. Papadopoulou, D. Kugiumtzis, Obesity prevalence, dieting status and food choice criteria in adolescents in Thessaloniki, Greece: results from database processing and analysis, Obesity Reviews, 7(2), 352, 2006
- A. Mattas, I. Mavridis, C. Ilioudis, G. Pangalos, "DARBAC: Dynamically Administering Role Based Access Control," Transactions on Information Science & Applications Journal, Issue 10, Volume 3, October, 2006,.

- S. Kortesis, G. Pangalos, et.al, Using advanced e-health technology for improving access of mobile citizens to national health care systems, International Conference on Software Engineering Advances (ICSEA 2006), French Polynesia, 2006.
- Above: Published also in CIMCA - IAWTIC'06 Journal, Volume 01, IEEE Computer Society, pp. 205-210, 2005
- D. Baltatzis, C. Georgiadis, and G. Pangalos, "Mobile Agents in E-commerce Environments: Supporting Collaborative Activities," Proceedings of the International Conference on Computational Intelligence for Modeling, Control and Automation and International Conference on Intelligent Agents, Web Technologies and Internet Commerce, Vienna, Austria, 2005.
- D. Baltatzis, G. Pangalos, et.al, "Securing grid computing based business environments, New Horizons in Business, Industry and Education," 4th International Conference, Corfu, August, 2005
- S. Kortesis, G. Pangalos, et.al, "Improving access of mobile european citizens to the national health care systems using advanced smart card technology," e-Government and e-health, 2nd international conference, Milano, Italy, July, 2005.
- A. Mattas, I. Mavridis, G. Pangalos, 'Access Control Administration in Healthcare Applications', International Congress "Medical Informatics Europe", IOS Press, Budapest, Hungary, August, 2004
- C. Georgiadis, D. Baltatzis and G. Pangalos, 'Programming Secure Mobile Agents in Healthcare Environments using Role-Based permissions', MIE 2003, International Congress "Medical Informatics Europe" , IOS Press, St. Malo, France, May, 2004
- D. Baltatzis, C. Georgiadis, G. Pangalos, 'Dynamic authorizations: an important security aspect in distributed systems', MDM 05, International Conference on Mobile Data Management, IEEE TCDE/TCI, ACM SIGMOBILE/SIGMOD, 2004
- D. Baltatzis, S.Kortesis, C. Georgiadis, C. Ilioudis and G. Pangalos, 'Using RBAC for the mobile agent authorization problem', Proceedings of the 4th International Network Conference, Plymouth, July, 2004.
- D. Baltatzis, C. Georgiadis and G. Pangalos, "Role-based Authorizations using mobile agents in healthcare organizations", Int. Journal of Technology and Healthcare, pp. 449-450, Vol. 10, Nr. 6, 2004.
- G. Pangalos , G. Vakaros,C. Georgiadis, et. al., "Dynamic Access Control Management Using Expert System Technology", 3rd SETN Conference on Artificial Intelligence (SETN 04), Samos, Greece, May, 2004.
- D. Baltatzis, S.Kortesis, C. Georgiadis, C. Ilioudis and G. Pangalos, ' Using RBAC for the mobile agent authorization problem', Proceedings of the 4th International Network Conference, Plymouth, July, 2004.
- A. Mattas, I. Mavridis, G. Pangalos, 'Towards Dynamically Administered Role-Based Access Control', 14th International Workshop on Database and Expert Systems Applications (DEXA'03), (494-498), September 1-5, 2003, Prague, Czech Republic. IEEE Computer Society, 2003
- C. Georgiadis, D. Baltatzis and G. Pangalos, 'Access Control for E-Commerce Using Mobile Agents', ISSA 2003, 3rd Information Security Conference, Gauteng, South Africa, 9-11 July, 2003.
- C. Georgiadis, D. Baltatzis and G.I. Pangalos, 'Programming Secure Mobile Agents in Healthcare Environments using Role-Based permissions', MIE 2003, International Congress "Medical Informatics Europe", IOS Press, St. Malo, France, May, 2003
- D. Baltatzis, C. Georgiadis, G. Pangalos, 'Dynamic authorizations: an important security aspect in distributed systems', MDM'05, International Conference on Mobile Data Management, IEEE TCDE/TCI, ACM SIGMOBILE/SIGMOD, 2003.
- D. Baltatzis, C. Georgiadis, and G. Pangalos, 'Dynamic role assignment in secure distributed environments', Journal of Computer and Security, Elsevier, 2004.

- G. Pangalos, D. Baltatzis, C. Georgiadis, S. Kortesis, C. Ilioudis: Security Issues of Electronic Democracy: the Use of Mobile Agents, International Conference on E-Democracy, Athens, 2003.
- Above: Also published in Proceedings 18th International Congress of the European Federation for Medical Informatics" (MIE2003), St. Malo, France, May, 2003.
- C. Georgiadis, D. Baltatzis, G. Pangalos , "Programming Secure Mobile Agents in Healthcare Environments using Role-based Permissions", Studies in Health Technology and Informatics, 2003;95:136-40
- C. Georgiadis, I. Mavridis, G. Pangalos, "Healthcare Teams over the Internet: Programming a Certificate-based Approach", International Medical Informatics Journal (INT J MED INFORM), 70(2-3):161-71, July, 2003.
- C. Chousiadis, G. Pangalos, 'Implementing Authentication (LAP) and monitoring in healthcare information systems', Health Informatics Journal, vol. 9 no. 2, 79-87, June, 2003
- G. Pangalos, I. Mavridis, A Methodology for Role and Lattice based Access Control Engineering, 7th World Multi-conference on Systemics, Cybernetics and Informatics (SCI 2003), Orlando, USA, 2003.
- C. Chousiadis, I. Mavridis, G. Pangalos, An authentication architecture for healthcare, ISHIMR'03 conference, August, 2003.
- A. Mattas, I. Mavridis, G. Pangalos, 'Access Control Administration in Healthcare Applications', Proceedings International Congress "Medical Informatics Europe", IOS Press, Budapest, Hungary, August, 2002.
- G. Pangalos, Draft secure medical database standard. Studies in Health Technology and Informatics, 2002;69:49-110; discussion 229-37.
- C. Chousiadis, I. Mavridis, G. Pangalos. "An authentication architecture for healthcare information systems", Health Informatics Journal, ISSN 1460-4582, Volume 08, Issue 04, December, 2002
- D. Baltatzis, C. Georgiadis and G. Pangalos, Role-based Authorizations using mobile agents in healthcare organizations, Int. J. Technology and Healthcare, pp. 449-450, Vol. 10, Nr. 6, 2002.
- Above: Also published in Proceedings of the International Congress "Medical Informatics Europe, (MIE2002), August, IOS Press, 2002.
- C. Chousiadis, C. K. Georgiadis and G. Pangalos, "Integrating the Lightweight Authentication Protocol (LAP) with Access Control Mechanisms in Health Care Wireless Information Systems", Studies in Health Technology and Informatics 2002;90:697-701.
- C. Ilioudis, A. Kontogiorgis, G. Pangalos, et. al., "Web-based e-Procurement Mechanism in the Healthcare Marketplace", International Journal of Technology and Health care Vol. 10, No. 6, 2002.
- Georgiadis C., Mavridis I. and Pangalos G., "Programming a View-Based Active Access Control System For Healthcare Environments", Health Informatics Journal, ISSN 1460-4582, Volume 08, Issue 04, December 2002
- Baltatzis J., Georgiadis C. And Pangalos G., "Role-based Authorizations Using Mobile Agents in Healthcare Organizations", International Journal of Technology and Health Care, Vol. 10, No. 6, 2002.
- Pangalos G., Georgiadis C., Healthcare Teams over the Internet: Towards a Certificate-based Approach, MIE2002, 2002.
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trol in Healthcare Intranets', Medical Informatics and the Internet in Medicine Journal, ISSN 1463-9238, Volume 27, No. 3, pp. 185 - 201, September 2002

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- Mavridis I., Georgiadis C., Pangalos G. and Khair M., "Access Control based on Attribute Certificates for Medical Intranet Applications", Journal of Medical Internet Research – JMIR 2001;3(1):e9, (ISSN 1438-8871), 2001.
- Mavridis I. And Pangalos G., "Determining User Authorizations in Distributed Database Systems", Proceedings of the 8th International Conference on Informatics, Volume 1, Nicosia, Cyprus, ISBN 960-14-0459-7, November, 2001.
- Georgiadis C., Mavridis I. And Pangalos G., "Implementing Context and Team Based Access Control in Healthcare Intranets", in International Journal of Health Care Engineering, Special Issue: Abstracts of MEDNET2001, The 6th World Congress on the Internet in Medicine, Italy, November 2001, Volume 9, No. 6 (2001), ISSN 0928-7329, 2001.
- S. Tzelepi and G. Pangalos, "Multimedia Medical Images Security", Medical Informatics and the Internet in Medicine, 2002 Sep;27(3).
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- S. Tzelepi and G. Pangalos, "An Access Control Model for Multimedia Medical Image Security", Proceedings of the 8th International Conference on Informatics", Nicosia, Cyprus, November, 2001.
- S. Tzelepi and G. Pangalos, "A flexible Role-Based Access Control Model for Multimedia Medical Image Database Systems", Proceedings of the Information Security Conference", Malaga, Spain, October 1 -3, 2001.
- S. Tzelepi, D. Koukopoulos and G. Pangalos, "A flexible Content and Context-based Access Control Model for Multimedia Medical Image Database Systems", Proceedings of the Multimedia and Security Workshop at ACM Multimedia 2001, Ottawa, Ont. CANADA, October 5, 2001.
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- Georgiadis C., Mavridis I., Pangalos G. and R.Thomas, "Flexible Team-based Access Control Using Contexts", Proceedings of the 6th ACM Symposium on Access Control Models and Technologies (SACMAT 2001), ACM SIGSAC, Chantilly, VA, U.S.A, May, 2001.
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- Ilioudis C, Pangalos G, 'Secure Transmission of Medical Data Through the Internet Using XML technology', 2nd Conference on Emerging Issues in Computer and Systems Sciences, Stockholm, Sweden, 2000.
- Georgiadis C., Mavridis I. And Pangalos G., "Active Security Issues in Healthcare Information Systems", *Proceedings of the International Workshop on Emerging Issues in Computer and Systems Sciences*, Stockholm, Sweden, September, 2000.
- Georgiadis C., Mavridis I. and Pangalos G., "Context and Role Based Hybrid Access Control for Collaborative Environments", *Proceedings of the Fifth Nordic Workshop on Secure IT Systems – Encouraging Co-operation (NORDSEC 2000)*, Reykjavik, Iceland, October, 2000.
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- Ilioudis C, Pangalos G., 'Internet security policy development', *Journal of Medical Informatics & the Internet in Medicine*, Taylor and Francis, ISSN 1463-9238, Vol 25, No 4, 2000.
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- Mavridis I., Pangalos G. and Frangakis C., "Implementing a Secure Brokerage System For Electronic Commerce", *Proceedings of International Conference 'New Horizons in Industry and Education' (NHIS'99)*, Santorin, September, 1999.
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- Mavridis I., Pangalos G., Khair M. and Bozios L., "Defining Access Control Mechanisms for Privacy Protection in Distributed Medical Databases", *Proceedings of IFIP Working Conference on User Identification and Privacy Protection*, Stockholm, Sweden, June 1999.
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- G. Pangalos, Information oriented approach to structured analysis and design, Information Age journal, Vol. 8, No 1, 1986.

II. INTERNATIONAL BOOKS

Co-author in the following 12 international books on informatics, e-health and information security related topics:

- **Security For Object Oriented Systems**, Thuraisingham B., (Editor), Workshops Series, Springer-Verlag, London, 1994.
- **IMIA Yearbook / 1994**, Bommel J. (Editor), Schattauer Publishing Company, Germany, 1994.
- **Caring For Health Information: Safety, Security and Secrecy**, E B. Barber, A. Bakker, S. Bengtsson (Editors), Elsevier Science Publ., 1994.
- **Lecture Notes in Computer Science**, Karagiannis, D. (Editor), Springer-Verlag, 1994.
- **Database Security: Status and Prospects**, Biskup J. (Editor), North Holland, 1994.
- **IMIA Yearbook / 1996**, Bommel J. (Editor), Schattauer Publishing Company, Germany, 1996.
- **Information Systems Security: Facing the Information Society of the 21st Century**, Katsikas S. And Gritzalis D. (Editors), Chapman & Hall, London, 1996.
- **Data Security for Health Care**, Studies in Health Technology and Informatics, Volume 31, Management Guidelines, IOS Press, Amsterdam 1996.
- **Data Security for Health Care**, Studies in Health Technology and Informatics, Volume 32, Technical Guidelines, IOS Press, Amsterdam 1996.
- **Secure Information Exchange for Medical Devices**; Anselmann, N. Palikarakis, N. Pernice, A, (Editors), IOS Press, Amsterdam, 1996.
- **Data Security For Health Care**, Studies In Health Technology And Informatics, Volume 33, User Guidelines, IOS Press, Amsterdam, 1996.

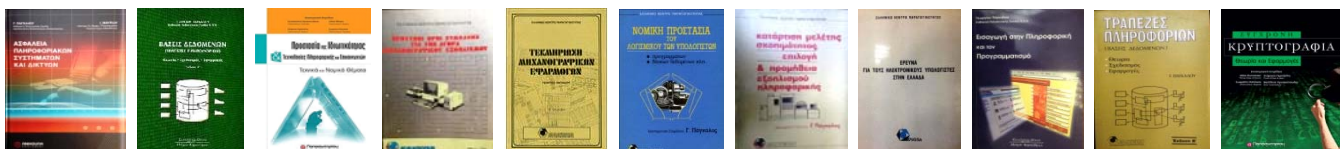
- **Security Standards For Health Care Information Systems**, Alært F, Blobel B, Louwers K, Barber B (Editors), Ios Press, Amsterdam, 2002.



III. BOOKS IN GREEK

Author or co-author of 14 books on I.T. in Greek (two under publication) on informatics, e-health and information security related topics

- **Information and Communication Systems Security**, Pangalos G., Mavridis J., Thessaloniki, 2005 (First Published 2002), Pages 408.
- **Information Security: Technical, Legal and Social Issues**, Pangalos G., C/O., Athens, 1996, Pages 396.
- **Security Of Computer Software, Programs And Databases**, Pangalos G., C/O., Athens, 1987
- **An Introduction to Informatics and Programming**, Pangalos G., Thessaloniki 2001 (First Published 1993), Pages 287.
- **Database Systems**, Pangalos G., Athens, 1998, 6th Edition, First Published 1993), ISBN: 001.642.4, Pages 280.
- **I.T. Application Documentation Standards**, Pangalos G., Athens, 1990, (First Published In 1986), ISBN: 7201, pages 131.
- **Methods And Procedures For The Procurement Of I.T. Infrastructure**, Pangalos G., Athens, 1987, Pages 282.
- **Legal Protection of Computer Software**, Pangalos G. (Co-Author – Editor), Athens, ISBN: 7198, 1987.
- **Study On The Current Status, Potential And Limitations of I.T. Technology In Greece**, Pangalos G., Athens, Pages 171
- **A Technical Guide for I.T. Procurement**, Pangalos G. (Co-Author – Editor), Athens 1985, pages 345.
- **A Survey on the Use of I.T. Technology by Public Organizations and Enterprises in Greece**, Pangalos G. (Co-Author – Editor), Athens 1986, Pages 223.
- **Protection of Privacy In Information Technology**, Pangalos G., C/O., Athens, 2010, ISBN 978-960-7182-70-8, pages 744.
- **Recent Developments In Cryptography**, Pangalos G., C/O., Athens, 2011, ISBN 978-960-7182-70-8, pages 728.



III. RESEARCH PROJECTS AND STUDIES

Extensive experience as project leader / expert in a significant number (more than 50) major international and national research projects and studies. These include:

Project	Years	Subject	Type of Participation	Funding
The SEISMED-I Project	1992-1994	Development of Secure Health Information Systems	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The SEISMED-II Project	1994-1996	Development of Secure Health Information Systems (II),	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The EUROMEDIES Project	1994-1995	An Inter-European System For The Control of Medical Devices	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The DALI Project	1994-1996	Implementation of Secure Automated Library Systems	Senior Expert, National Coordinator	European Union (EU)
The UNIVERSE Project	1995-1997	Development of Secure Information Availability Systems	Senior Expert, National Coordinator	European Union (EU)
The IKARUS Project	1995-1997	Development of Secure Health Care Environments	Senior Expert, Scientific Coordinator, Auth	GSRT
The AIAS Project	1992-1993	Advance Secure Database Systems Development	Senior Expert, National Coordinator	European Union (EU)
The PDC Initiative	1993- 1993	Implementation of Secure Patient Smart Card Based Systems	Senior Expert, National Coordinator	European Union (EU)
The AEP INSIS Project	1992- 1992	Use of I.T. For Improved Information Availability	Senior Expert, National Coordinator	European Union (EU)
The ISHTAR Project	1995-1997	Development of Security Guidelines For H.C. Information Systems	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The GAIA Project	1997-1998	Development of A Generic Information Availability Architecture	Senior Expert, National Coordinator	European Union (EU)
The CDA Project	1998-2000	Advanced Computing - ODL Applications	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The IHC	1998-1999	Development of A Secure Internet Based HC Systems	Senior Expert, Scientific	European Union (EU)

Project		Over The Internet	Coordinator, Auth	(EU)
The CDA/IP Project	1999-2001	Information Systems Security – IP	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The MOBI-DEV Project	2000-2002	Mobile Computing Devices For Secure HC Systems	Senior Expert, National Coordinator	European Union (EU)
The AGROMART Project	2001- 2003	On-Line Systems For Agricultural Market Information And Monitoring	Senior Expert, I.T. sector Coordinator	European Union (EU)
The OPUS Project	2002- 2003	Optimal And Secure On-Line Procurement And Auctioning	Senior Expert, National Coordinator	European Union (EU)
The NETCARDS Project	2002-2003	Use Of Smart Cards For Easier And Secure Access To National HC Systems	Senior Expert, National Coordinator	European Union (EU)
The SCOFI Program	2002- 2004	Developing Security IT Filters For A Safer Use Of The Internet	Senior Expert, National Coordinator	European Union (EU)
The NETCARDS II Project	2004- 2006	Pilot Implementation of The Netc@rds Concept In Europe	Senior Expert, National Coordinator	European Union (EU)
The IKA SMART CARD Project	2004-2006	Pilot EHIC Implementation In Greece	Senior Expert, National Coordinator	IKA (GR)
The IP/PROG Project	2005-2007	Multimedia Computing Security And Applications	Senior Expert, Scientific Coordinator, Auth	European Union (EU)
The NETCARDS III Project	2006- 2009	Further Deployment of The Netc@rds Concept and service In Europe	Senior Expert, National Coordinator	European Union (EU)
The NETCARDS IV Project	2009 - 2011	Deployment of The Netc@rds Concept In Europe	Senior Expert, National Coordinator	European Union (EU)
The epSOS I and II Projects	2007-2009 / 2010-2013	Development of European Patient Smart Open Services and E-Health Applications	Senior Expert, National Coordinator	European Union (EU)
Security VODAFON S.A. Study	2006-2007	Analysis And Improvement of The Company's ICT Security Framework	Senior Researcher	Vodafone S.A. GR

Smart Card e-HEALTH Project	2007-2007	Regional Implementation of A Smart-Card Based System	Senior Expert, National Coordinator	YPESDA GR
The IKA SMART CARD Project	2008-2008	National Implementation of A Smart-Card Based System	Senior Expert, National Coordinator	IKA GR
The e-CODEX I and II project	2010-2016	e-Justice Communication Via on-line Data Exchange for Europe	Senior Expert, National Coordinator	European Union (EU)
The BIOTAFTOTITA project	2011-2013	Advanced Secure Biometric Identification Methods	Senior Expert, National Coordinator	General Secretariat for Research
The New4EESI project	2012-2013	Study on real-time service extensions for EESSI	Senior Expert, National Coordinator	European Union (EU)
The eHGI project	2012-2014	European Electronic Health Governance Initiative	Senior Expert, AUTH Project Coordinator	European Union (EU)
The SOHealth project	2013-2014	Smart Open Internet Services for Health	Senior Expert, Project Coordinator	General Secretariat for Research
The e-SENSE project	2013-2016	Electronic Simple European Networked Services	Senior Expert, AUTH Project Coordinator	European Union (EU)
The EXPAND project	2014-2016	Expanding Health Data Interoperability Services	Senior Expert, AUTH Project Coordinator	European Union (EU)

- Various other projects for the Greek government and the private sector in Greece etc.
- All projects implemented successfully

IV. FORMULATION / SELECTION / EVALUATION OF EUROPEAN UNION PROGRAMS / PROJECTS

Participation, as an expert evaluator, after an invitation from the EU, in the evaluation for the selection / progress of several EU projects and programs (tens of times, over 25 years of experience). Many of them on IT, information security and e-Health related areas. These include: the evaluation of proposals and applications on e-health, the evaluation of proposals submitted to the IST program (1999, 2000, 2001, 2002, 2004), the evaluation of proposals submitted to the Copernicus program (1996, 1997), the evaluation of proposals submitted to the AIM program (1996 and 1994), the evaluation of proposals submitted to the INFOSEC program (1994), the evaluation of proposals submitted to the AIM-2 program (1992), the evaluation of the progress of several AIM projects (1989-1991), the evaluation of proposals submitted to the AIM-1 program (1989), the assessment of the development of the ESPRIT (phase 2) work program (1986), The evaluation of proposals submitted to the FP6 program, the evaluation of proposals submitted to the FP7 program, etc..