

Dr ATHANASIOS DRIGAS

BIOGRAPHICAL DATA

PRESENTATION

OF SCIENTIFIC

AND WRITING

WORK

OCTOBER 2010

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EXECUTIVE SUMMARY

INTERDISCIPLINARITY (IMPORTANT ATTRIBUTE for Research Directors Positions)

Electrical Engineering Degree. Psychology Degree, PhD in Resources Management in Computer Networks. R&D in networks, terrestrial and satellite telecommunications, e-government, e-learning, e-support for the students and teachers and education, e-commerce, e-procurement, e-psychology, e-culture, e-support for disabled people, e-science, e-environment, e-evaluation, artificial intelligence, cryptography, etc.

IMPORTANT DISTINCTIONS

3 ARTICLES IN THE SMINTHONIAN INSTITUTE & NASA DATABASE 2009

The SAO/NASA Astrophysics Data System (ADS) is a Digital Library portal for researchers in Astronomy and Physics, operated by the Smithsonian Astrophysical Observatory (SAO) under a NASA grant.

<http://adsabs.harvard.edu/abs/2009bpks.conf..552D>

ARTICLE ABOUT THE SUPPORT OF DISABLED PEOPLE IN A REPORT TO THE PRESIDENT OF THE USA 2006

Empowerment for Americans with Disabilities: Breaking Barriers to Careers and Full Employment. Under its congressional mandate, National Council on Disability NCD is charged with the responsibility to gather information on the development and implementation of federal laws, programs, and initiatives that affect people with disabilities.

http://www.ncd.gov/newsroom/publications/2007/NCDEmployment_20071001.htm

2 ARTICLES IN THE NASA STAR REPORT 2006

Scientific and Technical Aerospace Reports (STAR) is an online information resource listing citations and abstracts of NASA and world wide aerospace-related STI.

<http://202.118.250.135/nasa/STAR/star0624.pdf>

BEST PRACTICE DISTINCTION FOR A NET MEDIA LAB PROJECT BY THE EUROPEAN UNION 2006

Leonardo Awards 2006: Leonardo da Vinci Community Program Innovative projects contributing to the Copenhagen Process – Linking policy to practice EU2006 FINLAND.

http://ec.europa.eu/dgs/education_culture/publ/pdf/leonardo/success-stories_en.pdf

ARTICLE ABOUT Intelligent Tools for Building E-Learning in a BRANDON HALL RESEARCH CENTER REPORT 2006

Emerging E-Learning Technologies: Tools for Developing Innovative Online Training

http://courseware.hbs.edu/demo/new_wave/EmergingTechnologies10-31-06.pdf

NATIONAL INNOVATION AWARD FOR A PATENT 2004-2005

Innovative inventions and new technologies were awarded a prize for the second year in a row by the Industrial Property Organization and the General Secretariat of Research and Technology

<http://cordis.europa.eu/greece/el/spotlight19.htm>

BEST PRACTICE AWARD FOR A NET MEDIA LAB PROJECT BY THE EUROPEAN UNION 2002

Leonardo BEST PRACTICE Awards 2002: Solwin LdV project for using innovative e-learning and ICT services.

SCIENTIFIC COLLABORATOR OF EARTHQUAKE VICTIMS RECOVERY PUBLIC SERVICE - HELLENIC MINISTRY OF ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS. 2003-2004.

An e-government project was realized for the Earthquake Victims Recovery Public Service.

SCIENTIFIC COLLABORATOR OF THE GENERAL SECRETARIAT OF YOUTH. 2002-2003.

An e-government project was realized for the Youth Information Centers.

SCIENTIFIC COLLABORATOR OF THE MINISTRY OF COMMERCE 2001-2002

Consultant for e-commerce issues and head of the national public e-procurement system.

SCIENTIFIC COLLABORATOR OF THE MINISTRY OF DEVELOPMENT 1999-2001

Consultant for Information and Communication Technologies and for the design of the Operational Programme 'Competitiveness And Entrepreneurship' and Information Society actions.

MEMBER OF THE NATIONAL INFORMATICS COUNCIL (MINISTRY OF INTERIOR) 1999-2003

The scope of the National Informatics Council was to coordinate the ICT actions within the public sector entities.

MEMBER OF THE NATIONAL E-COMMERCE COMMITTEE 1999-2003

Participation as a scientific consultant at the Ministry of Commerce for the coordination of the committees' actions.
<http://www.ebusinessforum.gr/teams/teamsall/view/inner/index.php?language=el&ctn=50&moduleid=-2&label=0>

MEMBER OF THE INFORMATION SOCIETY DESIGN COMMITTEE 1999-2001

Design of the Information Society operational program.

SCIENTIFIC COLLABORATOR OF THE HELLENIC GENERAL SECRETARIAT FOR CIVIL PROTECTION OF THE MINISTRY OF INTERIOR 1996-1998

Scientific collaborator for the design of the ICT infrastructure of the operations room and that of the General Secretariat for Civil Protection.

NATIONAL REPRESENTATIVE IN THE RARE-COSINE WORKING GROUPS OF THE EUROPEAN UNION 1988-1994.

Participation in the WG2, WG4, WG5 for the coordination and interconnection of the European Academic Networks services and head of the National link with the E.M.P.B. Network.

EXECUTIVE SUMMARY OF THE CV IN NUMBERS	
RECORDS	TOTAL
SEMINARS	34
DISTINCTIONS	37
MEMBER OF COMMITTEES	40
TECHNICAL CONSULTANT	13
HEAD OF R&D PROJECTS	40
AUCTORIAL WORK - IMPORTANT PATENTS	3
SPIN OFF AND READY PRODUCTS	1+7
AUCTORIAL WORK - BOOKS	8
AUCTORIAL WORK - CD-ROMS	27
TOTAL NUMBER OF PUBLISHED WORKS (INTERNATIONAL AND NATIONAL)	214
PUBLICATIONS IN INTERNATIONAL JOURNALS (with reviewers)	52
PUBLICATIONS IN INTERNATIONAL CONFERENCES (with reviewers)	52
SPEECHES, ARTICLES in NATIONAL CONFERENCES	48
PUBLICATIONS IN NATIONAL JOURNALS	62
CITATIONS	110
HEAD OF INITIATIVES AND E-SERVICES APPLICATIONS, BRIDGING THE NEEDS OF THE SOCIETY WITH TECHNOLOGY	17
PARTICIPATION IN EXHIBITIONS	8
PARTICIPATION IN WORKSHOPS, SEMINARS AND CONFERENCES	130
REPORTS AND INTERVIEWS TO THE PRESS	142
PRESENTATIONS ON THE RADIO AND TELEVISION	60
PART 1 GENERAL, EDUCATION, RESEARCH, PROFESSIONAL	
IDENTITY: ATHANASIOS (SOTIRIOS) DRIGAS.	
EDUCATION: ELECTRICAL ENGINEER, PhD in MEMORY AND BANDWIDTH MANAGEMENT IN COMPUTER NETWORKS, PSYCHOLOGY DEGREE.	
FOREIGN LANGUAGES: FRENCH (AVERAGE), ENGLISH (PROFICIENCY).	
SEMINARS (ORGANIZATION AND ATTENDANCE): TOTAL 34.	
RESEARCH & DEVELOPMENT ACTIVITIES: E-SERVICES (E-LEARNING, E-COMMERCE, E-GOVERNMENT, E-HEALTH, E-CULTURE, E-PSYCHOLOGY, E-INCLUSION, ETC), CRYPTOGRAPHY, A.I., NEURAL NETWORKS, VIDEO TRAFFIC ANALYSIS, VIDEOCONFERENCE, PERFORMANCE EVALUATION, TERRESTRIAL AND SATELLITE APPLICATIONS. ALL THE R&D AXES (PROJECTS, PUBLICATIONS, BOOKS, CD ROMS, PATENTS AND AWARDS) ARE REALIZED IN THE FRAMEWORK OF THE NET MEDIA LAB ACTIVITIES AND ARE JUSTIFIED BY THE PUBLICATIONS AND THE R&D PROJECTS.	
EDUCATIONAL ACTIVITIES: EXTENSIVE IN THE FRAMEWORK OF 25 PROJECTS E-LEARNING PROJECTS AT BOTH NATIONAL AND INTERNATIONAL LEVEL. (AMONG THEM A PAN-HELLENIC SEMINAR FOR 480 SPECIAL NEEDS TEACHERS, VIA E-LEARNING AND TRAINING IN A CLASSROOM ABOUT ICTS AND E-LEARNING). IN ADDITION, SUPERVISION OF PhD THESES AND DISSERTATIONS.	

PROFESSIONAL ACTIVITIES AND EXPERIENCE:

HEAD OF BOTH NET MEDIA LAB AND THE DEPARTMENT OF TECHNOLOGICAL APPLICATIONS.

ATHANASIOS DRIGAS IS THE FOUNDER AND SCIENTIFIC COORDINATOR OF NET MEDIA LAB, WHICH BEGAN ITS ACTIVITIES IN 1996 WHEN IN COLLABORATION WITH THE TELECOMMS LAB OF THE INSTITUTE OF INFORMATICS AND TELECOMMUNICATIONS IT SUBMITTED A PROPOSAL IN THE FRAMEWORK OF THE GENERAL SECRETARIAT OF RESEARCH AND TECHNOLOGY'S SERVICES PROVISION LABORATORIES. THE PROJECT BEGAN IN 1997 AND AIMED AT THE UPGRADE OF THE TELECOMMS LAB AND THE FORMATION OF NET MEDIA LAB. SINCE THEN, NET MEDIA LAB HAS DEVELOPED ACTIVITIES IN THE E-SERVICES SECTIONS (E-LEARNING, E-GOVERNMENT, E-HEALTH, E-CULTURE, E-COMMERCE, E-INCLUSION,...), CRYPTOGRAPHY, NEURAL NETWORKS, VIDEO TRAFFIC ANALYSIS, VIDEOCONFERENCE, PERFORMANCE EVALUATION, TERRESTRIAL AND SATELLITE APPLICATIONS, ETC. IN ITS SUCCESSFUL COURSE ARE INCLUDED NUMEROUS R&D PROJECTS (NATIONAL AND EUROPEAN), PUBLICATIONS (NATIONAL AND INTERNATIONAL), PATENTS, RESEARCH PRODUCTS, EDUCATIONAL PRODUCTS SUCH AS BOOKS AND CD-ROMS AS WELL AS NUMEROUS DISTINCTIONS THE MOST IMPORTANT OF WHICH WAS THE 2004 INNOVATION AWARD WHICH WAS GRANTED BY THE MINISTRY OF DEVELOPMENT AND THE INDUSTRIAL PROPERTY ORGANIZATION.

DEVELOPMENTAL AND OPERATIONAL WORK:

Management and operational support of the telephone center of NCSR DEMOKRITOS which consists of 3 interconnected telephone centers, one central and two branches.

Design, realization and operational support of the web portal of NCSR DEMOKRITOS. The web portal comprises information that is addressed to the citizen but more importantly to the entities with which NCSR DEMOKRITOS collaborates.

E-government project of NCSR DEMOKRITOS. Development of a voice portal system with IVR & Text to Speech technologies and a document management and e-protocol system in the framework of the e-government actions of the Information Society.

Wireless Network and Wi-Fi of NCSR DEMOKRITOS (E-Science). The project includes the creation of a wireless backbone network using 802.11a & 802.11n bridges as well as the installation of wi-fi access points to all the buildings of NCSR DEMOKRITOS. In addition, it includes the development of an e-science web portal that offers web casting services, in the framework of the Information Society broadband axis.

Telecommunications Services Provision Laboratory. Through the lab a number of services related to the laboratory's expertise are provided not only to NCSR DEMOKRITOS but also to the Hellenic citizens.

Participation in committees that deal with the design, monitoring and delivery of projects towards building Management Informatics Systems to support the operation of NCSR DEMOKRITOS.

PART 2 PARTICIPATION IN COMMITTEES AND FORA, DISTINCTIONS-ACKNOWLEDGMENTS

DISTINCTIONS (ACCORDING TO THE MODEL CV THAT THE MINISTRY OF EDUCATION SUGGESTS) (AWARDS, PARTICIPATION IN SCIENTIFIC TEAMS, IN EDITORIAL BOARDS FOR SCIENTIFIC JOURNALS AND FOR THE ORGANIZATION OF CONFERENCES): **TOTAL 37.**

IMPORTANT DISTINCTIONS:

2004 INNOVATIVE AWARD BY THE INDUSTRIAL PROPERTY ORGANIZATION, PARTICIPATION IN THE ORGANIZATIONAL COMMITTEE OF NUMEROUS INTERNATIONAL CONFERENCES, 2 BEST PRACTICE DISTINCTIONS BY THE LEONARDO DA VINCI FRAMEWORK, MEMBER OF COMMITTEES AND WORKING GROUPS OF THE EUROPEAN UNION, ETC.

MEMBER OF NATIONAL AND INTERNATIONAL COMMITTEES: TOTAL 40 (MAINLY MANAGEMENT OF INTERNATIONAL PROJECTS, ORGANIZATION OF CONFERENCES, CONSULTING).

TECHNICAL CONSULTANT OF INSTITUTIONS AND PUBLIC SECTOR ENTITIES (THROUGH NET MEDIA LAB): **TOTAL 13.** (MAINLY FOR THE DESIGN AND DEVELOPMENT OF ICT INFRASTRUCTURE)

PART 3 NEW SCIENTIFIC IDEAS, DESIGN, PROJECT MANAGEMENT, PATENTS, SPIN-OFFS

HEAD OF R&D PROJECTS: TOTAL 40, 20 OF WHICH ARE EUROPEAN PROJECTS.

BUDGET 10.000.000 EUROS

PATENTS – PATENT DIPLOMAS: TOTAL 3 IN CRYPTOGRAPHY, QUANTUM AND WITH DYNAMICAL SYSTEMS.

SPIN OFF, AND READY PRODUCTS FOR BUSINESS EXPLOITATION: 1 PRAKSE PHASE A' IN THE VOICE SUPPORT OF DISABLED PEOPLE, ANOTHER 7 PRODUCTS READY.

PART 4 AUCTORIAL WORK, ARTICLES, SPEECHES

BOOKS, SPECIAL PUBLICATIONS: TOTAL 8

(AMONG THESE A BOOK WHICH WAS A JOINT PUBLICATION WITH THE UNIVERSITY OF IOANNINA ABOUT THE SUPPORT OF PEOPLE WITH MULTIPLE DISABILITIES THROUGH THE USE OF E-LEARNING AND ICTS (1000 PAGES AND 2 BOOKS PUBLISHED BY THE HELLENIC TECHNOLOGY CHAMBER).

DESIGN OF EDUCATIONAL CD-ROMS: TOTAL 27. (AMONG THESE CD-ROMS FOR DISABLED PEOPLE, THE MEDIA, E-COMMERCE, TELEMEDICINE ETC).

PUBLICATIONS IN INTERNATION JOURNALS WITH REVIEWERS: 52 (AMONG THESE **IEEE, IFIP, Springer, Kluwer, Elsevier, etc**)

PUBLICATIONS IN INTERNATION CONFERENCES WITH REVIEWERS: TOTAL 52. (AMONG THESE **IEEE, HET - NETs 04, Gallaudet University's Videoconference Washington, etc**).

SUBMITTED FOR PUBLICATION IN INTERNATIONAL JOURNALS: TOTAL 3 IN THREE INTERNATIONAL JOURNALS.

SPEECHES, ARTICLES IN NATIONAL CONFERENCES: TOTAL 48. (AMONG THESE **Infosystem, Interop, Greek ICT Forum, Conference of Internet Society Hellenic Chapter, General Secretariat of Research and Technology Conferences**).

PUBLICATIONS IN NATIONAL JOURNALS AND PUBLICATIONS: TOTAL 62. (AMONG THESE **Com Business, Infoplus, Infotech**).

STUDIES, TECHNICAL ARTICLES, REPORTS, SPEECHES, ARTICLES IN VARIOUS FRAMEWORKS: TOTAL 13.

PART 5 VARIOUS PROJECTS, PARTICIPATION IN WORKSHOPS, CONFERENCES, PUBLICITY

HEAD OF INITIATIVES AND E-SERVICES APPLICATIONS WITH SOCIAL IMPACT AND INTERNATIONAL PROJECTIONS: TOTAL 17 WHICH ARE STILL SUPPORTED.

ORGANIZATION AND PARTICIPATION IN EXHIBITIONS (THROUGH NET MEDIA LAB): TOTAL 8. (AMONG THEM THE **ATHENS BUSINESS CLUB OLYMPIC INNOVATION EXHIBITION, WHERE HE WAS INVITED DUE TO THE INNOVATIVE PRODUCTS OF NET MEDIA LAB**).

PARTICIPATION IN WORKSHOPS, SEMINARS AND CONFERENCES: TOTAL 130.

REPORTS-INTERVIEWS FOR THE PRESS AND FOR INFORMATIVE MAGAZINES (About technology issues and for the presentation of Athanasios Drigas' work): **TOTAL 142.**

PRESENTATIONS ON THE RADIO AND THE TV (EDUCATIONAL PROGRAMS ABOUT ICTS, SCIENCE AND TECHNOLOGY): **TOTAL 60.**

INTRODUCTION

This CV is organized into five chapters

1st GENERAL, EDUCATION, RESEARCH, PROFESSIONAL, 2nd DISTINCTIONS-RECOGNITION - ACKNOWLEDGMENTS, PARTICIPATION IN COMMITTEES AND FORA, 3rd NEW SCIENTIFIC IDEAS, DESIGN, PROJECT MANAGEMENT, PATENTS, SPIN OFF, 4th AUCTORIAL WORK, ARTICLES, SPEECHES, 5th VARIOUS PROJECTS, PARTICIPATION IN WORKSHOPS, CONFERENCES, PUBLICITY.

According to the 2919 25/6/2001 law the qualifications of a level A researcher and an Institute Director require: **A. Demonstrable skills to develop research and its applications in new areas, B. Coordination of activities in broader research and technology development fields, C. Contribution towards the mapping out of research and technology policies and the development of research organizations drawing external funding, D. International recognition - acknowledgment for his contribution to scientific and technological fields of his expertise E. Contribution to the diffusion and implementation of the produced knowledge F. Extensive auctorial work as far as publications in prestigious international journals and/or important patent diplomas are concerned.**

The A and B characteristics that law 2919 requires (Demonstrable skills to develop research and its applications in new areas and Coordination of activities in broader research and technology development fields) are justified by chapters 3 NEW SCIENTIFIC IDEAS, DESIGN, PROJECT MANAGEMENT, PATENTS, SPIN-OFFS, 4, AUCTORIAL WORK, ARTICLES, SPEECHES and 5 VARIOUS PROJECTS, PARTICIPATION IN WORKSHOPS, CONFERENCES, PUBLICITY of the CV. The large number of research and development projects (40) that have been already realized and continue to be realized with myself as coordinator, the large number of published articles (8 books, 104 international publications and 110 national publications) and the extent of the research fields (e-services, e-learning, e-government, e-commerce, e-inclusion, e-health, e-culture, cryptography, neural networks, performance evaluation, videoconference, network traffic analysis, terrestrial and satellite networks etc), the patents (2), the participation in the organization of international conferences in state-of-the-art issues, justify both A and B characteristics that the law requires. In addition, the distinctions (according to the definition of the Ministry of Education for the teachers CVs) (37) and the draw of funds for (40) projects, prove that the ability to develop research and its applications in new areas and to coordinate activities in broader research and technological development fields is acknowledged by the project financiers (E.U, General Secretariat of Research and Technology, Information Society, Operational Programme for Education and Initial Vocational Training (O.P. "Education")) as well as by the entities that have granted the distinctions. Moreover, the broad educational field (psychology degree, electrical engineering degree, PhD in memory and bandwidth management in broadband computer networks), contributes significantly towards my ability to support and coordinate activities in wider research and technological development fields (according to this CV these fields include I.T.s, Telecomms both satellite & terrestrial, Cryptography, e-learning, e-government, e-business, e-culture, e-psychology, e-health, e-inclusion, e-testing, e-evaluation etc), while additionally it emphasizes the interdisciplinary character of the cognitive basis. Emphasis should be given to the fact that Psychology as a science, studies (among other things) the improvement of a procedure's efficiency (perception, productivity, creativity, etc) on a cognitive, perceptive, operational and even meta-cognitive level for both general and special theoretical frameworks such as a unit (a person, an organization, an Institute), a fact that comports with the A and B characteristics of the law.

The C characteristic (Contribution towards the mapping out of research and technology policies and the development of research organizations with drawing external funding) is justified by chapters 2 and 3 of this CV. The draw of external funds for a large number of research and development projects (40) in the framework of both Net Media Lab's and Telecomms Lab's operation (being the scientific coordinator of both), as well as the participation in numerous committees and the consultancy services provision (40+13) for the mapping out of research and technological policies in various levels and areas, among which the participation for a number of years in COSINE and RARE working groups, the coordination and the mapping out of the research and technological policy of the EU in the field of academic networks and the coordination of the project for the national strategic plan for telecommunications 2007-2013, justify fully this particular characteristic.

The D characteristic (International recognition-acknowledgment for my contribution to scientific and technological fields of my expertise) is justified by chapter 2 of this CV as well as from the citations (110) that exist for my work. The various distinctions and awards (37) among which, the 2004 Innovation award as well as the 2002 and 2006 Best Practice awards, the invitations for participation in national and international committees and fora (40+13), the participations in the organization of international conferences, symposia and sessions, the invitations for participation in national and EU project evaluation committees, the participation as a reviewer in international journals,

the participation for a significant number of years in COSINE and RARE working groups, for the coordination and mapping out of the research and development policy of the EU in the area of academic networks, the coordination of the project for the **national strategic plan for telecommunications 2007-2013**, the funding and jubilant comments of the international health organization (WHO) for the organization of conferences regarding the “Effects of non-ionized radiation” every two years, justify in full this particular characteristic. **In addition, another important element that proves the acknowledgment and recognition of Athanasios Drigas, is the fact that he is the scientific coordinator of 40 national and international projects, which means that the financiers (E.U, General Secretariat of Research and Technology, Information Society, Operational Programme for Education and Initial Vocational Training (O.P. "Education")) recognize and acknowledge his ability and skills in managing and coordinating these extensive and special scientific, research and development fields that these projects cover, acknowledge the innovation, the scientific interest and the added value of these projects and therefore, approve the funding of these projects. In addition, the international project partners, which are universities, scientific unions, enterprises from countries such as England, France, Holland, Finland, Sweden, Norway, Denmark, Italy, Cyprus, Greece etc, recognize and acknowledge these skills regarding Athanasios Drigas and trust him as a scientific coordinator and as a result participate in these projects. It must be noted that this kind of scientific recognition-acknowledgment (together with the distinctions) constitutes an acknowledgment and recognition of a highest level than the citations to his publications (Citations 110), because in this kind of recognition-acknowledgment there is also the financial factor (funding or award) whereby the person or organization that grants it recognizes and acknowledges “the contribution to scientific and technological areas of one’s expertise” and that one possesses the characteristics of an A level researcher and/or Research/Institute Director) according to the law, in a very high or superlative degree.**

The E characteristic (International acknowledgment for his contribution to scientific and technological fields of his expertise), is justified by chapter 5 of this CV. The interviews and reports on the press (142), the educational and informative programs on the television (60), and the organization of conferences as well as the publication of books (8) and the production of educational CD-ROMs (27), the patents (3), the spin-offs and the exploitable products (1+7), the development of initiatives and e-services (17), the organization of participation in exhibitions (8), **as well as the (40) research and development projects in which enterprises, universities, private and public entities have participated and have been the recipients of the knowledge and the beneficiaries of the developed applications,** justify fully this particular characteristic.

The F characteristic (Extensive auctorial work as far as publications in prestigious international journals and/or important patent diplomas are concerned), is justified by chapter 4 of this CV. The large number of published works (8 books and 27 CD-ROMs – e-books, 52 international publications in journals with reviewers, 52 international publications in conferences with reviewers and 110 national publications in journals and conferences) (two books have been published by the Hellenic Technology Chamber and are presented by the Teletext of the **Greek National TV and the Hellenic Resources Network Portal on an international level**, another book by the Athens Chamber of Commerce and Industry and another jointly with the University of Ioannina in the framework of the Operational Programme for Education and Initial Vocational Training (O.P. "Education")) as well as the very important patent diplomas (3), one of which was awarded with the **2004 National Innovation Award**, justify in full this particular characteristic of the law, which although requires **publications or patent diplomas for a level A researcher, in this particular CV there are all three in high numbers.**

Summing up this introduction, it can be said that the work of Dr. Athanasios Drigas that is presented in this CV is extensive, multi-dimensional, innovative, justified and recognized-acknowledged as it can be seen from the total number of figures which are presented in detail in this CV as well as concisely in the executive summary on page 2.

PART 1 GENERAL, EDUCATION, RESEARCH, PROFESSIONAL

IDENTITY ITEMS

SURNAME	DRIGAS
NAME	ATHANASIOS
FATHER'S NAME	SOTIRIOS
MOTHER'S NAME	STERGIANI
BIRTH YEAR	1959
BIRTH PLACE	THESSALONIKI
NATIONALITY	GREEK
PROF. ADDRESS	NCSR DEMOKRITOS, AGIA PARASKEVI, 15310, ATHENS
TEL.	210 6503124, 210 6503888
FAX	210 6503132
E-MAIL	dr@iit.demokritos.gr
HOME ADDRESS	FILIKIS ETAIRIAS 98, DRAFI, PIKERMI
TEL.	210 6534977, 6943499000
MEMBER	T.C.G. Since 1983.
	I.E.E.E. Since 1986.
	I.E.I.C.E. Since 2009.
	HEL.Ps.C. Since 2007.

EDUCATION

- **ELECTRICAL ENGINEERING DIPLOMA:** upper division
Technical School of **University of Patras: 1983.**
- **Phd Thesis:** first class honours
Resource Management in Computer Networks
Informatics Division, Electrical Engineering Department. **National Technical University of Athens. 1990.**
- **PSYCHOLOGY DIPLOMA:** first class honours
Psychology Division, Philosophy-Pedagogic-Psychology department. **University of Athens. 2006.**

SPOKEN LANGUAGES

- **Greek Native.**
- **English . excellently Proficiency.**
- **French fairly**

SEMINARS (Co organization & participation)

TOTAL 34 for Network Technologies, for ICTs, for e-services, for Students, for Teachers, for Disabled, etc

RESEARCH

- **Net Media Lab & Telecoms Lab Since 1990.**
Net Media Lab founded by A. Drigas at 90's as part of R&D activities within Ariadne Network. In 95 funded by General Secretariat of Research & Technology within the framework of Services Provisioning Labs. Emphasis of research & development activities is put on e-services (**e-learning, e-government, e-culture, e-health, e-inclusion, e-commerce, e-procurement, e-testing e-psychology** etc), **voice & videoconference, video traffic analysis, performance evaluation, intelligent systems, neural networks, cryptography (conventional, quantum dynamical systems), wired, wireless & satellite networks, etc**
- **Ariadne Network 1985-2000.**

R&D activities to establish the academic and research network in Greece and to support the interconnectivity with the European Academic R&D Nets.

- **Resource management within the framework of Phd Thesis work. 1985-1989**

- **Microelectronics. 1983-1985.**

Laser Annealing of Semiconductors Implanted with Ion Implantation.

University of Patras, Physics Lab.

EDUCATIONAL ACTIVITIES

- Within the framework of activities of Telecoms Lab - Net Media Lab & the implementation of many R&D projects, we have educated in ICTs and their exploitation, more than 500 people (students for practice & diploma work, Teachers, Disabled people, Technicians & Scientists in many sectors as Public administration, commerce, SMEs, Environment, Culture, Education etc). Also there is PhD students supervision. **since 1990**
- **Educational activities within Telecoms Systems Lab Informatics Division of Technical University of Athens 1985-1990**

PROFESSIONAL ACTIVITIES & EXPERIENCE IN R&D POSITIONS

- **NCSR DEMOKRITOS**

Coordinator of Technological Applications Department. Since **2000**.

Coordinator of Net Media Lab. Since **2000**.

Coordinator of Telecoms Lab. Since **2006**.

Coordinator of Telecommunications Infrastructure (**PBX, Wi-Fi, Wireless Backbone**), of **WEB Services**, of e-gov Services (**Voice portal, Document Management System**), of **Voip Services**, of NCSR Demokritos.

- **NCSR DEMOKRITOS. 2006-2010**

Senior Researcher.

- **NCSR DEMOKRITOS. 2004- 2006.**

Operations Scientist. **Degree A´**.

- **NCSR DEMOKRITOS. 2000-2004.**

Operations Scientist. **Degree B´**.

- **NCSR DEMOKRITOS. 1996-1999.**

Operations Scientist. **Degree C´**.

- **NCSR DEMOKRITOS. 1995-1996.**

Special Scientist.

- **NCSR DEMOKRITOS ARIADNE NETWORK. 1991-1999.**

Operational Manager of Ariadne Network

- **NCSR DEMOKRITOS ARIADNE NETWORK. 1988-1991.**

Network Engineer. Infrastructure & service development.

- **General Secretariat of Research & Technology - ARIADNE NETWORK. 1985-1988.**

Network Engineer. Infrastructure & service development.

- **Scientific collaborator in Physics Lab University of Patras. 1983-1984.**

Laser annealing of semiconductor implanted with ion implantation.

PART 2 DISTINCTIONS- RECOGNITION, PARTICIPATION IN COMMITTEES & FORA

DISTINCTIONS (AWARDS, PARTICIPATION IN JOURNAL EDITORIAL BOARDS & CONFERENCE COMMITTEES) (TOTAL 37)

- 1) **3 ARTICLES IN BIBLIOGRAPHICAL DATABASE of SMINTHONIAN INSTITUTE & NASA 2009** The SAO/NASA Astrophysics Data System (ADS) is a Digital Library portal for researchers in Astronomy and Physics, operated by the Smithsonian Astrophysical Observatory (SAO) under a NASA grant.
<http://adsabs.harvard.edu/abs/2009bpks.conf..552D>
- 2) Reviewer in **International Journal of Human-Computer Studies ELSEVIER 2008.**
- 3) Reviewer in **International Journal Humanistic Computing Systems. Interscience Publishers. 2008.**
- 4) **Member of International Advisory Committee ECIT'2008 Conference ROMANIA E-Learning Workshop**
- 5) Reviewer in **The 7th International Conference on Web-based Learning (ICWL 2008).** August 2008, Zhejiang Normal University, Jinhua, China.
- 6) **Session Organizer – Chairman στο The 7th International Conference on Web-based Learning (ICWL 2008).** August 2008, Zhejiang Normal University, Jinhua, China.
- 7) **Article included in congressional essay to USA President. 2006** *Empowerment for Americans with Disabilities: Breaking Barriers to Careers and Full Employment.* Under its congressional mandate, National Council on Disability NCD is charged with the responsibility to gather information on the development and implementation of federal laws, programs, and initiatives that affect people with disabilities.
http://www.ncd.gov/newsroom/publications/2007/NCDEmployment_20071001.htm
- 8) **2 articles in STAR REPORT THE NASA 2006 Scientific and Technical Aerospace Reports (STAR) is an online information resource listing citations and abstracts of NASA and world wide aerospace-related STI.**
<http://202.118.250.135/nasa/STAR/star0624.pdf>
- 9) **(DISCUSSANT) in: The 9th European Conference on Psychological Assessment (ECPA9).** Thessaloniki, Greece 3 - 6 May, 2007. Symposium title: **PSYCHOLOGICAL ASSESSMENT FOR CHILDREN WITH SPECIAL EDUCATIONAL NEEDS.**
- 10) Reviewer in **The IEEE International Conference on Communications 2007 - ICC-2007 Glasgow, Scotland, Computer and Communications Network Security Symposium.**
- 11) **Session Organizer – Chairman στο IEEE's International Conference on Interactive Computer Aided Learning, September 27-29, 2006 Villach, Austria.**
- 12) **Session Organizer – Chairman στο IEEE's International Conference on Next Generation Web Services Practices (NWeSP'06) September 25-28, 2006 Seoul, Korea.**
- 13) **Scientific Coordinator of the Study-project Undertaken by Net Media Lab: Strategic design of Telecoms within ESPA 2007-2013: of General Secretariat of Communications. 2006-2007.**
- 14) **DEDALOS - Leonardo Da Vinci, project (Scientific Coordinator) had taken Best Practice distinction and is included in Compendium of EU. 2006.**
- 15) **Session Organizer – Chairman IEEE's, 2nd International Conference on Information & Communication Technologies: from Theory to Applications - ICTTA'06 (April 24 - 28, 2006, Omayyad Palace, Damascus, Syria) με θέμα ICT and Education.**
- 16) **Sesion Organiser – Chairman in IFIP CONFENIS 2006. The IFIP International Conference on Research and Practical Issues of Enterprise Information Systems. (April 24-26, 2006 - Vienna, Austria) με θέμα Realization Technology and EIS Development.**
- 17) **Symposium Organiser – Chairman in International Conference of Applied Psychology της IAAP (International Association of Applied psychology) July 16-21 2004 Athens Hilton & Caravel με θέμα E-psychology: the new evolution of psychology.**
- 18) **Symposium Co-Organiser – Chairman in International Conference of Applied Psychology της IAAP (International Association of Applied psychology) July 16-21 2004 Athens Hilton & Caravel with subject Early detection of the learning ability for children 4-8 years old: presentation of psycho diagnostic measures by the laboratory of special and therapeutic education of the University of Ioannina.**
- 19) **20 YEARS IEEE COMMUNICATION SOCIETY PARTICIPATION DISTINCTION.**
- 20) **Participation in organization of 4th INTERNATIONAL WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS (Sponsored by World Health Organization, Bioelectromagnetic Society, Ministry of Transport and Communications, BMES, etc.). 10/2006 Crete. As Co-chairman, and session chairman.**
- 21) Reviewer in **Internationa Journal Computers & Industrial Engineering του Elsevier. 2006**
- 22) **National Prize of Innovation 2004 from Industrial Property Organization, for Quantum Cryptography patent. 10/2004 Athens.**

- 23) Associate Editor of **Proceedings of 3rd Int. Conf. on E-ACTIVITIES (E-ACTIVITIES 04) & Int. Conf. on ELECTRONICS, CONTROL and SIGNAL PROCESSING (ICECS 04)**. 10/2004 Rethymno Greece.
- 24) **Participation in organization of 3rd INTERNATIONAL WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS** (Sponsored by World Health Organization, Bio electromagnetic Society, Ministry of Transport and Communications, Ministry of Transport and Communications and others). 10/2006 Kos. As **Co-chairman**.
- 25) Member of organization Committee of "Networking 2004". May 2004 Athens. As Finance Chair.
- 26) **Participation in organization of 2nd INTERNATIONAL WORKSHOP ON BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS** (Sponsored by World Health Organization, Bio electromagnetic Society, Ministry of Transport and Communications, Ministry of Transport and Communications and others). 10/2006 Kos. As **Co-chairman**.
- 27) **Best Practice Distinction for (ELECTRON) LEONARDO DA VINCI project. 2002.**
- 28) **Member of National Informatics Council in Ministry of Interior. 1999-2003.**
- 29) **Member of National Committee of Electronic Commerce. General Secretariat of Commerce. 1999-2002.**
- 30) **Member of National Committee for Information Society Design Framework Program YΠEΘO. 2 έτη.**
- 31) **Distinctions for network services by History Channel και Best of Europe Award. 1995-2000.** Also: Perseus Award, Linked by Internet Press, Linked by News Resource, Linked by Museums World, Linked by Global Education, Linked by North Suburban Library System, Linked by TheoLogic Systems Internet Center, and others.
- 32) **Presentation of the biographical Data in Who's Who in WORLD & in Millennium edition of the Marquis Who's Who Catalogue.** References in my Scientific Work. 2000.
- 33) **Member of International Committee for evaluation of proposals in Implementation of Standardization in Information Society (IS-IS) of GD III EU. EU DGIII Brussels.** October 1996 & April 1997.
- 34) **National Access Point Manager of European Multiprotocol Backbone των RARE- COSINE-TERENA 1991-1996.**
- 35) **Working Groups of RARE. National Representative.** (WG2 FTAM, WG4 Network Technologies, WG5 Multimedia). 1988 – 1996.
- 36) Proposed for BODOSAKI Award 1994 in the field of Informatics Proposed By Prof Halatsis, Prof Siotis, Prof Drys, and Dr Arvillias.
- 37) **Member of TECHNICAL ADVISORY BOARD (TAB) of RARE for design of EU Academic Networks Services. 1990.**

MEMBER OF NATIONAL & INTERNATIONAL COMMITTEES (TOTAL 40)

Among them: EU committees for proposal evaluations, Rare Technical Advisory Committee, RARE technical Working Groups, various Greek Ministry committees for design ICT policies in Commerce, Development, Education, Public administration, Public Protection, Health, Research, as well as for Information Society, Scientific Committees for administration of international ICT projects, etc

SCIENTIFIC COUNSELOR OF PUBLIC ORGANIZATIONS (THROUGH NET MEDIA LAB) (TOTAL 13)

Counselor for ICTS, e-commerce, e-government (G-C, G-B, G-E etc), e-health, e-learning etc in various Public Organizations.

Among them Ministry of Development, GC of Commerce, GC of Young Generation, GC of Public Works, GC of Communications, GC of Public Protection, Athens Chamber of Commerce & Industry,

PART 3 NEW SCIENTIFIC IDEAS, DESIGN & PROJECT MANAGEMENT, PATENTS, SPIN OFF

COORDINATOR FOR R&D PROJECTS (40 Projects, 10 Million EU)

More than 40 Projects in Areas of:

Satellite Communications, Wired & Wireless Nets, Wi-Fi, Video Conference, e-learning, e-inclusion, e-government, e-culture, e-psychology, vocational e-training, e-evaluation, e-environment, e-business, penetration of ICTs, VoIP, etc

PATENTS (TOTAL 3)

- 1) **I. BAKOPOULOS, I. BRETTAROS, A.S. DRIGAS**
One automated procedure for reliable & secure creation & distribution of quantum key numbers.
No 1003891. **Athens 5/2002.**
- 2) **Y. Bakopoulos, V. Soulioti, S. Nikolopoulos, S. Kouremenos, A. Drigas, Y. Vrettaros**
Networks Telecommunication security by randomness checks
No. **1004844. Athens 3/2005.**
- 3) **NCSR DEMOKRITOS, A.S. DRIGAS, N. BARDIS, I. BRETTAROS, O. MARKOVSKY.**
Check sum parallel calculation Device which detects all double & even number of errors in data transmission.
No. **1006605. Athens 4/2008.**

SPIN OFF, & COMPLETE PRODUCTS FOR EXPLOITATION. (TOTAL 8)

- 1) **Development of Portal platform for Internet supportive navigation to help disabled and other Cosial groups. Praxe Face I. Is Based on various Alternative navigation techniques, voice navigation is included.**
- 2) **E-learning Platform**
- 3) **E-learning Platform for People with disabilities**
- 4) **Intelligent system of Data Mining (SOM Algorithm)**
- 5) **Intelligent system of cognitive abilities evaluation (SOLO Taxonomy).**
- 6) **Fussy logic based Intelligent system for CV evaluation**
- 7) **Cryptography Techniques**
- 8) **E-psychology electronic platform**

PART 4 WRITING WORK, ARTICLES & CONFERENCE PRESENTATIONS

WRITING WORK, BOOKS (TOTAL 8)

1) A.S. DRIGAS & All

ANTIKEADAS **Book 284 pages**. Athens 2006 Greek Letters

Book for Special Education, for problems that pupils with special educational needs are facing in every day school lives, teaching and intervention procedures and methods and for exploitation of ICTS in the above mentioned fields ειδικές ανάγκες καθώς και για την αξιοποίηση των τεχνολογιών πληροφορικής και επικοινωνιών στον χώρο αυτό.

2) Prof. L Stavrou, Dr A.S. Drigas & All

Improvement of Inclusion Conditions in Education System of People with multiple Disabilities.

Book **1000 pages**. Athens 2004. Publication of University of Ioannina & NCSR Demokritos – Net Media Lab.

3) A.S. DRIGAS

Teleconference & Multimedia in Internet **Book 320 pages**. Athens 2000. T.C.G. Publication.

4) A.S. DRIGAS & All

A comprehensive guide of Internet services

" Ολοκληρωμένος Οδηγός Υπηρεσιών Internet ". **Book 120 pages**. Athens 2000. Net Media Lab Publication in a related project framework.

5) A.S. Drigas, B. Salapatas

Internet and its Services. Guide for services exploitation. **Handbook, 105 pages..** Athens 1996. ACCI Publication.

6) A.S. DRIGAS

Network Applications in Ariadne Network. **Book 313 pages**. Athens 2000. T.C.G. Publication.

7) A.S. DRIGAS & All

Greek scientists abroad catalogue. Book 2 Vol, **464 pages** Athens 1993.

Presentation of the e-government project and the catalogue.

8) A.S. DRIGAS

Resource Management in Computer Networks. **PhD Thesis. 205 Pages** Athens 1990.

WRITING WORK, (CD-ROM DESIGN & MATERIALIZATION) (TOTAL 27)

27 Educational CR ROMs for various ICTS themes that produced in the framework of various projects. The following subjects included: E-learning, E-commerce, E-procurement, e-health, e-inclusion, Global policies & strategies in Telecoms, e-working, sign language, e-psychology, e-business, e-environmental protection & renewable energy sources, innovative learning practices, e-commerce etc,

ARTICLES IN INTERNATIONAL JOURNALS & BOOK CHAPTERS (TOTAL 60)

1) Athanasios Drigas, Dimitris Kouremenos and John Vrettaros

Learning Applications for Disabled People

Book chapter in "Technology Enhanced Learning for People with Disabilities: Approaches and Applications" (IGI-Global), pp. 44-57, 2011.

2) Athanasios Drigas and Lefteris Koukianakis

Convergence of Culture and ICTs: E-Culture

Organizational, Business, and Technological Aspects of the Knowledge Society, Communications in Computer and Information Science, Volume 112, pp. 488-496, 2010.

3) Nikolaos Bardis, Athanasios Drigas, Alexander Markovskyy and John Vrettaros

Accelerated Modular Multiplication Algorithm of Large Word Length Numbers with a Fixed Module

Organizational, Business, and Technological Aspects of the Knowledge Society, Communications in Computer and Information Science, Volume 112, pp. 497-505, 2010.

4) **Spyros Domoxoudis, Stelios Kouremenos, Vasilios Loumos and Athanasios Drigas**
An Introduction to Videoconference Video Traffic
Organizational, Business, and Technological Aspects of the Knowledge Society, Communications in Computer and Information Science, Volume 112, pp. 506-513, 2010.

5) **Athanasios Drigas, John Vrettaros, Alexandros Tagoulis and Dimitris Kouremenos**
Teaching a Foreign Language to Deaf People via Vodcasting & Web 2.0 Tools
Organizational, Business, and Technological Aspects of the Knowledge Society, Communications in Computer and Information Science, Volume 112, pp. 514-521, 2010.

6) **N. G. Bardis, A. Drigas, A. P. Markovskyy and I. Vrettaros**
Check Sum Optimization for Transmission and Storage of Digital Information
Knowledge Management, Information Systems, E-Learning, and Sustainability Research, Communications in Computer and Information Science, Volume 111, pp. 582-590, 2010.

7) **Nikolaos Doukas, Athanasios Drigas and Nikolaos G. Bardis**
Design of an Interactive Game for Teaching War Ethics
Technology Enhanced Learning. Quality of Teaching and Educational Reform, Communications in Computer and Information Science, Volume 73, pp. 558-564, 2010.

8) **John Vrettaros, Katerina Argiri, Piliou Stavrou, Kostas Hrissagis and Athanasios Drigas**
Evaluation Study of Pedagogical Methods and E-Learning Material via Web 2.0 for Hearing Impaired People
Technology Enhanced Learning. Quality of Teaching and Educational Reform, Communications in Computer and Information Science, Volume 73, pp. 595-601, 2010.

9) **Anna Kamakari and Athanasios Drigas**
Video Conferencing and Knowledge Management in In-Service Teacher Distance Lifelong Training and Development
Technology Enhanced Learning. Quality of Teaching and Educational Reform, Communications in Computer and Information Science, Volume 73, pp. 610-619, 2010.

10) **John Vrettaros, Apostolos P. Leros, Kostas Hrissagis, & Athanasios Drigas**
The Problem of Knowledge Elicitation from the Expert's Point of View
Book chapter in Computer-Based Diagnostics and Systematic Analysis of Knowledge, Part 1, pp. 61-73, 2010.

11) **Drigas A., Koukianakis L.,**
E-Government to Citizen (G2C) Applications
International Journal of Knowledge Society Research, IGI-Global, 2010, Accepted.

12) **Doukas N., Drigas A., Bardis N., & Karadimas N.,**
Accessible Secure Information Society Applications via the Use of Optimised Cryptographic Calculations
International Journal of Multimedia Intelligence and Security (Inderscience Publishers), 2010, Accepted.

13) **Vrettaros J., Pavlopoulos J., Vouros G. & Drigas A.,**
GPNN Techniques in Learning Assessment Systems
International Journal of Technology Enhanced Learning (Inderscience Publishers), 2010, Accepted.

14) **Vrettaros J, Tagoulis A, Giannopoulou N, Drigas A,**
Case Study in using Web 2.0 tools by Greek Educators
International Journal of Social and Humanistic Computing (Inderscience Publishers), 2010, Accepted.

15) **Athanasios Drigas*, Dimitris Kouremenos John Vrettaros, Miltos Karvounis and Piliou Stavrou**
The Diagnosis of the Educational Needs of the Hearing Impaired
International Journal of Social and Humanistic Computing, Volume 1, Number 2, pp. 138-148, 2009.

16) **Klimis Ntalianis, Paraskevi Tzouveli, Stefanos Kollias and Athanasios Drigas**
Protection of Real and Artwork Human Objects based on a Chaotic Moments Modulation Method

International Journal of Information Assurance and Security (JIAS), Volume 4, Issue 6, pp. 509-518, 2009.

17) Athanasios S. Drigas, Katerina Argyri and John Vrettaros

Decade review (1999–2009): progress of application of artificial intelligence tools in student diagnosis

International Journal of Social and Humanistic Computing, Vol. 1, No.2, pp. 175-191, 2009.

18) Nikolaos G. Bardis, Athanasios Drigas, Nikolaos Doukas and Nikolaos V. Karadimas

Optimised information system reliability techniques for knowledge society acceptance

International Journal of Knowledge and Learning, Vol. 5, No.3/4, pp. 207-221, 2009.

19) Athanasios Drigas, Leyteris Koukianakis, and Yannis Papagerasimou

Towards an ICT-Based Psychology: E-Psychology

International Journal of Computers in Human Behaviour Elsevier, 2009, Accepted.

20) Klimis S. Ntalianis and Athanasios S.Drigas

Unsupervised Segmentation of Stereoscopic Video Objects: Proposal and Comparison of Two Depth-Based Approaches

International Journal of Pattern Recognition and Artificial Intelligence, 2009, Accepted.

21) John Vrettaros, George Vouros, Athanasios S. Drigas

Using Back-Propagation (BPN) neural networks for basic knowledge of the English language diagnosis

Information Systems Management, Special Issue "Information Systems Research for a Sustainable Knowledge Society", Volume 27, Issue 3, Taylor & Francis, 2009, Accepted.

22) K.S. Ntalianis, P. D. Tzouveli and A.S. Drigas

"Automatic Stereoscopic Video Object-Based Watermarking Using Qualified Significant Wavelet Trees"

International Journal of Computer Science & Technology, 2009, Accepted.

23) Athanasios Drigas, Leyteris Koukianakis and John Glentzes

An E-Culture - E-Museums Environment for Common Citizens and Disabled Individuals

International Journal of Digital Culture and Electronic Tourism, Vol. 1, No.4, pp. 267-279, 2009

24) Athanasios S. Drigas, Katerina Argyri and John Vrettaros

Decade Review (1999-2009): Artificial Intelligence Techniques in Student Modeling

Best Practices for the Knowledge Society. Knowledge, Learning, Development and Technology for All, Communications in Computer and Information Science, Volume 49, Part 3, pp. 552-564, 2009.

25) Athanasios Drigas and Leyteris Koukianakis

Government Online: An E-Government Platform to Improve Public Administration Operations and Services Delivery to the Citizen

Visioning and Engineering the Knowledge Society. A Web Science Perspective, Lecture Notes in Computer Science, Volume 5736/2009, pp. 523-532, 2009.

26) John Vrettaros, George Vouros and Athanasios S. Drigas

An Expedient Study on Back-Propagation (BPN) Neural Networks for Modeling Automated Evaluation of the Answers and Progress of Deaf Students' That Possess Basic Knowledge of the English Language and Computer Skills

Best Practices for the Knowledge Society. Knowledge, Learning, Development and Technology for All, Communications in Computer and Information Science, Volume 49, Part 3, pp. 542-551, 2009.

27) John Vrettaros, Alexis Tagoulis, Niki Giannopoulou and Athanasios Drigas

An Empirical Study on the Use of Web 2.0 by Greek Adult Instructors in Educational Procedures

Best Practices for the Knowledge Society. Knowledge, Learning, Development and Technology for All, Communications in Computer and Information Science, Volume 49, Part 2, pp. 164-170, 2009.

28) Athanasios S. Drigas and John Vrettaros

Using the Self-Organizing Map (SOM) Algorithm, as a Prototype E-Content Retrieval Tool

Computational Science and Its Applications - ICCSA, Lecture Notes in Computer Science, Volume 5073/2008, pp. 14-23, 2008.

- 29) Athanasios Drigas, Leyteris Koukianakis and Yannis Papagerasimou
Advanced Methods of Web Learning
Advances in Blended Learning, Lecture Notes in Computer Science, Volume 5328/2008, pp. 16-24, 2008.
- 30) Athanasios Drigas, Dimitris Kouremenos and John Vrettaros
Teaching of English to Hearing Impaired Individuals Whose Mother Language Is the Sign Language
Emerging Technologies and Information Systems for the Knowledge Society, Lecture Notes in Computer Science, Volume 5288/2008, pp. 263-270, 2008.
- 31) Athanasios Drigas, Leyteris Koukianakis and Yannis Papagerasimou
Psychology in the ICT Era: Electronic Psychology
Emerging Technologies and Information Systems for the Knowledge Society, Lecture Notes in Computer Science, Volume 5288/2008, pp. 88-95, 2008.
- 32) John Pavlopoulos, John Vrettaros, George Vouros and Athanasios S. Drigas
The Development of a Self-assessment System for the Learners Answers with the Use of GPNN
Emerging Technologies and Information Systems for the Knowledge Society, Lecture Notes in Computer Science, Volume 5288/2008, pp. 332-340, 2008.
- 33) Athanasios Drigas, Leyteris Koukianakis and John Glentzes
An E-Culture Environment for Common Citizens and Visually Impaired Individuals
The Open Knowledge Society. A Computer Science and Information Systems Manifesto, Communications in Computer and Information Science, Volume 19, pp. 641-648, 2008.
- 34) John Vrettaros, George Vouros and Athanasios Drigas
Development of an Intelligent Assessment System for Solo Taxonomies Using Fuzzy Logic
Symbolic and Quantitative Approaches to Reasoning with Uncertainty, Lecture Notes in Computer Science, Volume 4724/2007, pp. 901-911, 2007.
- 35) S. Kouremenos, S. Domoxoudis, V. Loumos and A. Drigas
Modelling of Unconstrained and Constrained H.26x Traffic over IP Networks
Book Chapter in Heterogeneous Networks Vol. I - Traffic Engineering, Performance Evaluation Studies & Tools River Publishers 2007
- 36) John Vrettaros, George Vouros and Athanasios Drigas
An Intelligent System for Solo Taxonomy
Intelligent Information Processing III, IFIP International Federation for Information Processing, Volume 228/2007, pp. 421-430, 2007.
- 37) Athanasios Drigas, S. Kouremenos, Y. Bakopoulos, Vassilis Loumos
A study of H.263 traffic modeling in multipoint videoconference sessions over IP networks.
Computer Communications 29(3): 372-391 (2006)
- 38) A.S.DRIGAS, L.G. KOUKIANAKIS, Y.V. PAPAGERASIMOU
A Web Based E-Learning and E-Psychology Modular Environment (Extended Version)
International Journal of Web Services Practices, Vol.2, No.1-2, pp. 35-42, 2006.
- 39) Athanasios Drigas, Leyteris Koukianakis and Yannis Papagerasimou
An E-Activities Platform to Support SMEs
Research and Practical Issues of Enterprise Information Systems, IFIP International Federation for Information Processing, Volume 205/2006, pp. 467-477, 2006.
- 40) A.S.Drigas, L.G.Koukianakis
“An Open Distance Learning e-system to support SMEs e-enterprising”
TRANSACTIONS on INFORMATION SCIENCE AND APPLICATIONS, Issue 3, Volume 3, March 2006.
- 41) A.S.Drigas, L.G.Koukianakis, J.G. Glentzes
“An ODL system and Virtual Class for the electrical engineering sector”
WSEAS TRANSACTIONS on COMPUTERS, Issue 2, Volume 5, February 2006.

- 42) **A.S.Drigas, L.G.Koukianakis, Y.V.Papagerasimou**
 "A system for e-inclusion for individuals with sight disabilities"
TRANSACTIONS on CIRCUITS and SYSTEMS, Issue 11, Volume 4, pp. 1776-1780, November 2005
- 43) **A.S.Drigas, L.G.Koukianakis, Y.V.Papagerasimou**
 "An E-Government Web Portal"
WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT, Issue 1, Volume 1, pp. 150-154, October 2005
- 44) **A.S.Drigas, A. Tagoulis, P.Kyragianni, P. Nikolopoulos, D. Kalomoirakis, D.Kouremenos, CH. Emmanouilidis**
 "A self learning e-system for Greek palaeography"
WSEAS TRANSACTIONS on INFORMATION SCIENCE and APPLICATIONS , Issue 8, Volume 2, pp. 1096-1099, August 2005
- 45) **Y. Bakopoulos, N. Lygeros and A.S.Drigas**
 "Adaptive Encryption Protocols"
WSEAS TRANSACTIONS on COMMUNICATIONS , Issue 8, Volume 4, pp. 694-700, August 2005
- 46) **A.S.DRIGAS, D.KOUREMENOS, J.VRETTAROS**
 An e-Learning Management System for the Deaf people
WSEAS Transactions on Advances in Engineering Education, Issue 1, Volume 2, pp. 20-24, January 2005.
- 47) **A.S. DRIGAS**
 "E-course support and delivery for e-psychology"
WSEAS Transactions on Advances in Engineering Education, Issue 1, Volume 2, January 2005.
- 48) **Stavros Perantonis, Basilis Gatos, Konstantinos Ntzios, Ioannis Pratikakis, Ioannis Vrettaros, Athanasios Drigas, Christos Emmanouilidis, Anastasios Kesidis, and Dimitrios Kalomirakis**
 "DIGITISATION PROCESSING AND RECOGNITION OF OLD GREEK MANUSCRIPTS (THE D-SCRIBE PROJECT)"
International Journal "Information Theories & Applications" Vol.11, No 3, pp.232-240, 2004.
- 49) **J. VRETTAROS, G. VOUIROS, A.S.DRIGAS**
 "Development of a Diagnostic System of Taxonomies Using Fuzzy Logic – Case SOLO (useful for e-learning system)".
WSEAS Transactions on Information Science and Applications, Issue 6, Volume 1, December 2004.
- 50) **S.J. PERANTONI, B. GATOS, K. NTZIOS, I. PRATIKAKIS, I. VRETTAROS, A.S.DRIGAS, C. EMMANOULIDIS, A. KESIDIS, D. KALOMIRAKIS**
 "A System for Processing and Recognition of Old Greek Manuscripts (The D-SCRIBE Project)"
WSEAS Transactions on Computers, Issue 6, Volume 3, December 2004.
- 51) **V.SOULIOTI, Y.BAKOPOULOS, S.KOUREMENOS, S.NIKOLOPOULOS, Y.VRETTAROS, A.S.DRIGAS**
 "Quantum Key Distribution and Adaptive Protocols"
WSEAS Transactions on Systems, Issue 10, Volume 3, December 2004.
- 52) **A.S.Drigas, J. Vrettaros**
 "An Intelligent Tool for Building E-Learning Content-Material Using Natural Language in Digital Libraries".
WSEAS Transactions on Information Science and Applications, Issue 5, Volume 1, November 2004.
- 53) **A.S.DRIGAS, J.VRETTAROS, D.KOUREMENOS, L. STAVROU**
 "E-learning Environment for Deaf people in the E-Commerce and New Technologies Sector".
WSEAS Transactions on Information Science and Applications, Issue 5, Volume 1, November 2004.
- 54) **A.S.Drigas, S. Kouremenos, S. Vrettos, J. Vrettaros, D. Kouremenos**
 "An expert system for job matching of unemployed".
Elsevier's Expert Systems with Applications Vol. 26 p. 217-224, 2004.

55) A.S.Drigas, L. Koukianakis

“A modular environment for e-learning and e-psychology applications”

WSEAS Transactions of Information Science and Application, issue 6, vol. 3, p.p. 2062-2067, 2004.

56) V. Soulioti, Y. Bakopoulos, S Kouremenos, Y. Vrettaros, S. Nikolopoulos, A.S.Drigas

“Stream Ciphers created by a Discrete Dynamic System for application in the Internet”.

WSEAS Transactions on Communications, Issue 2, Volume 3, April 2004.

57) C. SKIANIS, K.KONTOVASILIS, A.S.DRIGAS and M. MOATSOS

"Measurement and Statistical Analysis of Asymmetric Multipoint Videoconference Traffic in IP Networks”.

Springer’s Telecommunications Systems 23:1,2, p. 95-122, 2003.

58) A.Stafylopatis, A.S.Drigas.

"On the Processing Time of a Parallel Linear System Solver"

Lecture Notes in Computer Science, Supercomputing p. 994-1010. 1988

SUBMITTED FOR PUBLICATION IN INTERNATIONAL JOURNALS

59) Nikolaos Papadakis, Klimis Ntalianis, Athanasios Drigkas and George Stamoulis

An Automatic Wrapper-based Multi-resolution Visualization System for Image Retrieval and Organization Over the Web

World Wide Web-internet and Web Information Systems 2009.

60) S. Domoxoudis, S. Kouremenos, V. Loumos, and A. Drigas

Characteristics of video traffic from videoconference applications: from H.261 to H.264

IEICE, Communications Journal, 2009.

PUBLICATIONS IN INTERNATIONAL CONFERENCES WITH REVIEWERS (TOTAL 49)

61) Nikolaos G. Bardis, Athanasios S Drigas, Oleksandr P. Markovskiy

Performance Increase of Error Control Operation on Data Transmission

IEEE, Proceedings of the 3rd International Conference on New Technologies, Mobility and Security, Cairo, Egypt, pp. 275-280, 2009.

62) Athanasios Drigas, Leyteris Koukianakis, and Yannis Papagerasimou

E-Psychology: A Platform and Methods

14th International Conference on Neural Information Processing (ICONIP 2007), Japan.

63) A.DRIGAS, M. KARVOUNIS, J.VRETTAROS, D.KOUREMENOS, P.STAVROU.

The Diagnosis of Educational Needs of the Hearing Impaired on the New Technologies

9th European Conference on Psychological Assessment (ECPA9). Thessaloniki, Greece 3-6 May, 2007.

64) A.S.DRIGAS, S.KOUREMENOS, D.KOUREMENOS

Performance Evaluation of Sign-Language Videoconference Traffic

IEEE Conference on Innovations in Information Technology, IIT 2006. Dubai, pp. 1-6, 2006.

65) A.S.DRIGAS, L.G. KOUKIANAKIS, Y.V. PAPAGERASIMOU

A Web Based E-Learning and E-Psychology Modular Environment

International Conference on Next Generation Web Services Practices (NWeSP'06), Seoul, Korea, pp. 168-174, 2006.

66) A.S. Drigas, D. Kourenemos, A. Tagoulis and J. Vrettaros

Designing e-learning services for teaching English as a second language to Deaf people whose first language is the Sign Language

International Design for All Conference on 13-15 September 2006. Rovaniemi, Finland.

67) A.S.DRIGAS, Y.VRETTAROS, D.KOUREMENOS

Web Based Teaching of English via Sign Language to Deaf People
IEEE's International Conference on Interactive Computer Aided Learning. September 27-29, 2006 Villach, Austria.

68) A.S.Drigas, Y.V.Papagerasimou

An E-Learning Environment for Nontraditional Students with Sight Disabilities
IEEE's FIE 2006, Frontiers in Education Conference (FIE 2006), San Diego, California, pp. 23-27, 2006.

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48 ARTICLES IN VARIOUS NATIONAL CONFERENCES

ARTICLES IN NATIONAL JOURNALS & EDITIONS (TOTAL 62)

62 ARTICLES MOST OF THEN IN TECHNICAL CHAMBER OF GREECE PUBLICATIONS

STUDIES & ESSAYS (TOTAL 12)

12 STUDIES IN THE FRAMEWORK OF IMPLEMENTATION OF VARIOUS PROJECTS.

PART 5 PROJECTS-INITIATIVES, PARTICIPATION IN WORKSHOPS, WORKING GROUPS & CONFERENCES, PUBLICITY**PROJECTS-INITIATIVES BRIDGING ICTS & SOCIETY NEEDS (TOTAL 17)**

17 ICTs based initiatives-projects for Hellenic scientists abroad, environment, nature protection & species protection, culture, museums, ancient Hellenic writers, contemporary Hellenic writers, Hellenic news, Olympic games history, east Orthodox Tradition, e-government info for Athens and Thessaloniki, as well as for public organizations, for disabled organizations, for ancient & classical Hellenic music, etc

ORGANIZATION & PARTICIPATION IN SCIENTIFIC EXHIBITIONS (TOTAL 8)

7 participations for Ariadne network & 1 for quantum cryptography patent

**PARTICIPATION IN WORKSHOPS SEMINARS & CONFERENCES
(mostly for coordination of ICT policies for EMPB, RARE and others) (TOTAL 130)**

**ARTICLES-INTERVIEWS IN PRESS AND INFORMATIVE MAGAZINES (TOTAL 142)
(for ICT themes, dissemination of knowledge & results from projects, and presentation of my work)**

142 presentations & interviews.

PRESENTATIONS ON TV & RADIO (TOTAL 60)

60 Presentation for ICTs and various subjects of my work

APPENDIX: CITATIONS (TOTAL 110)

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