



HELLENIC DEMOCRACY

National and Kapodistrian University of Athens

SCHOOL OF ECONOMICS AND POLITICAL SCIENCES

FACULTY OF COMMUNICATION AND MEDIA STUDIES

LABORATORY OF NEW TECHNOLOGIES IN COMMUNICATION, EDUCATION AND THE MASS MEDIA

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Laboratory of New Technologies in Communication, Education and the Mass Media

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Laboratory Profile

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Objectives, fields of activity and human resources of the Laboratory

The Laboratory of New Technologies in Communication, Education and the Mass Media (UoA NTLab) has been founded in June 1996 (Official Journal of the Greek Government No. 111A/10-6-1996), whereas it operates since 1992 within the Department of Culture, Environment, Communication Applications and Technology of the Faculty of Communication and Mass Media Studies of the National and Kapodistrian University of Athens. The Laboratory serves research and educational needs of the Faculty of Communication and Mass Media Studies in the domain of new technologies and their applications in communication, education and the mass media.

UoA NTLab is active in fields of Research and Technological Development such as digital communication services, multimedia, hypermedia and virtual reality systems, machine understanding and synthetic communication, adaptive, personalised and intelligent communication systems, data science and computational journalism, visual communication and visual design, man-machine communication, ergonomics, computer-mediated communication, the relation between space and environment in the digital age, new media literacy, digital art, digital culture and digital civilization, digital games, web content, network communities and participatory media, journalism and mass media in digital networks, digital technologies in open and distance learning, digital communication, digital governance and digital innovation applications.

The Laboratory of New Technologies in Communication, Education and the Mass Media is headed by Associate Professor Konstantinos Mourlas (previous director Professor Michalis Meimaris). The research staff of the Laboratory includes 2 more faculty members of the Faculty of Communication and Mass Media Studies, Associate Professor Dimitris Charitos and Tenured Assistant Professor Dimitris Gouscos, 1 laboratory lecturing staff member Dr. Elena Timplalex, post-doc, as well as 20 doctoral and postgraduate researchers. Additionally, the Laboratory of New Technologies maintains a broad network of external collaborating experts from the academic and professional community.

The activity record of UoA NTLab includes research and technological development projects, academic collaboration partnerships, organisation of scientific and cultural events, contribution in the edition of journals and set-up of digital media, production of educational software as well as education, training and new media literacy programs as described in the following.



Research and technological development projects

1. **FACT-CHECKING European cooperation project on disinformation and fact-checking training.**
Empowering current and future media and media education professionals, to identify, prevent, and combat fake news spread over digital networks, Erasmus+ KA2, Sept. 2019 - Aug.2022

2. **Creative Europe Project "LABOURGAMES", Ref N°: 570569-CREA-1-2016-1-DE-CULT-COOP1, Creative Europe - Culture Sub– Support to European cooperation projects – 2016 – 2019**

LABOURGAMES is an innovation-oriented network project bringing together the »world of labour« with the »world of play« by allowing smart use of game principles and applying them in the working world to facilitate learning effects, decision-making, and motivation.

3. **Play2DO - A simulated training framework for skills development addressing students with intellectual and developmental disabilities and their trainers. Reference no. 2016-1-UK01-KA202-024613, Erasmus+, 2016 - 2018**

The Play2Do project aims to support special education teachers, mainstream teachers, and VET trainers who work with students/trainees with intellectual disabilities by offering an educational game for teachers to complement their training through simulated practice learning and improve their skills in dealing with critical incidents or challenging situations which can occur in everyday practice.

4. **European Mobile Lab for Artistic Research (EMDL)** [CULTURE Programme 2007-2013 – Cooperation], Projects with Third Countries (Strand 1.3.5), European Commission Education, Audiovisual & Culture Executive Agency (EACEA) (Jan 2014 – Sep 2015) (www.emdl.eu)

5. **PredMine: A Predictive Analytics Platform Using Live Big Data.(2013-2015)** info: <https://predmine.eu/> [info@predmine.eu]

6. **M-Care : Educational application developed for tablets Tutorial for learning tablets aiming to personal assistants for people with disabilities.** info <http://mcare-project.eu/?lang=el>

7. **ATLEC: Application for Tablet Offering Basic Education at Assistive Information & Communication Technologies to People with Disabilities.,** LEONARDO DA VINCI Multilateral Projects for Development of innovation

8. **Specialised Formation of General and Special Education Teachers and Production of Educational Material for Mild Mental Retardation,** Operational Programme for Education and Initial Vocational Training 2000-2006 (EPEAEK II) [<http://www.media.uoa.gr/epinoisi>]

This project, led by the Laboratory of New Technologies as prime contractor, will realize a program of 300 hours of specialised formation for 200 primary, secondary and special education teachers in topics related to teaching and pedagogical interventions as well as to the production



of educational material based on digital games for students with mild mental retardation. The teachers under formation will be supported by theory seminars (100 teaching hours) as well as digital educational material to be produced in the context of hands-on workshops (200 teaching hours).

9. Identification and Promotion of Good Practices for Digital Cultural Heritage, Operational Programme for the Information Society 2000-2006

This project, undertaken by UoA NT Lab, is focused on identifying good practices and setting up of a prototype scheme of excellence concerning projects implemented by Greek organizations with respect to the digitization of content of cultural and historical value.

10. Location-based Communication Urban NETWORK (LOCUNET), Regional Operational Programme for Attica 2000-2006 [locunet.uoa.gr]

LOCUNET is a research project that aims to investigate the novel forms of communication that emerge as a result of the convergence of geographical positioning services, mobile communications, and graphical user interfaces.

11. Research for Corporate Social Responsibility in Small and Medium Enterprises, European Commission HERMES Programme

UoA NTLab has undertaken design, organisation, implementation and analysis of a research for the state-of-practice with respect to Corporate Social Responsibility in the small and medium enterprises active in the region of Attica.

12. Web-Training Game, LEONARDO Programme [www.e-musicbusinessgame.eu]

The Laboratory of New Technologies has participated, together with Haute École "Groupe ICHEC - ISC Saint-Louis -ISFSC" (Belgium), Université Paul Verlaine (Metz) (France), Centre of Applied Industrial Design (Greece), Centre de Recherche Public Henri Tudor (Luxemburg), Karol Adamiecki University of Economics (Poland), University of Bedfordshire (UK), in the implementation of a 2-year research program (2004-2006) aiming at the creation of a web-based educational software tool based on economic games and simulation techniques to support the teaching and learning of e-Business Marketing and Management.

13. Adaptive and Personalised Environments on the Web, PYTHAGORAS Programme for Reinforcing Research Teams in Universities 2004 – 2006

The objective of this project, undertaken by the Laboratory of New Technologies, has been to study the development of new methods, techniques and tools that will ensure personalised usage of the internet as well as adaptive content presentation to the best possible quality for the end-user.

14. Play2Speak Educational Game, SOCRATES Programme [www.exelia.gr/play2speak.html]

15. Forum for Equality and Social Cohesion, EQUAL EU Initiative

Academic collaboration partnerships

16. European Master on Arts, Culture and International Management (EMACIM), ERASMUS Programme



17. **European Mobile Lab for Interactive Artists (E-MobilArt)**, CULTURE Programme, under the auspices of the European Commission Education, Audiovisual & Culture Executive Agency (EACEA)
18. **SOCRATES GRUNDTVIG – Educational Partnerships**, EU Programme on Education
19. **Joint Master Degree on “Information and Communication Technologies for Education”**, Operational Programme for Education and Initial Vocational Training 2000-2006 (EPEAEK II) [www.ecd.uoa.gr/metaptixiaka.htm]
20. **Joint European Postgraduate Degrees “European Master in E-Business Management”, “European Master in Cyber-communication”, “European Master in Audiovisual & Multimedia Business Administration”**, LEONARDO and MEDIA Programme, 1998-2004



Organisation of scientific and cultural events

21. Challenges and Uses of ICT – Media and Information Diffusion: towards an open society (EUTIC 2007) [www.media.uoa.gr/eutic]

The Laboratory for New Technologies in Communication, Education and the Mass Media is organising in November 2007 in Athens an International Colloquium focusing on themes such as digital and web-based news media, the globalised mass media landscape, access to digital content for education and entertainment, electronic governance and digital democracy.

22. International and Greek Möbius Festival [www.media.uoa.gr/mobius]

In November 2003 UoA NTLab organised for the first time in Greece the 11th International Möbius Festival for the best quality productions in the domain of digital culture. Additionally, since 1999 UoA NTLab has undertaken together with the Centre of Applied Industrial Design (CAID) the organization of the Greek Möbius Festival with the objective of identifying and promoting high-quality multimedia productions in the domains of education, culture, science and fiction. In the context of the 6th Greek Möbius Festival on Multimedia and the Internet (Athens, November 2006), 3 thematic prizes and 2 special distinctions were awarded to works distinguished for their quality and completeness, whereas the Francophone Möbius Prize was introduced for the first time.

23. YASMIN Internet Discussion and News List (Your Arts Science Mediterranean International Network) [www.media.uoa.gr/yasmin]

In collaboration with renowned international institutions in the domain of digital culture, such as the LEONARDO journal and OLATS, DigiArts–UNESCO, Internet Society, ARTNodes and other organisations the Laboratory of New Technologies has established YASMIN, an internet discussion and news list on the interactions of art, science and technology in the Mediterranean area. Up to day, UoA NTLab hosts and maintains the web site of YASMIN, which already accommodates discussions of more than 1,000 registered members.

24. Contribution in the organisation of international events

Members of UoA NT Lab are actively involved in the organisation of international events such as

- Mediaterra 2006, International Art and Technology Festival, Athens, Greece
- MicroPolis 2005, International Festival of Digital Films and Video on the Internet, under the auspices of the Hellenic Culture Organization and the Greek Ministry of Culture.



Contribution in the edition of journals and set-up of digital media

25. “Athina” bimonthly news bulletin

UoA NTLab has undertaken, since 1996, desktop publishing and art direction responsibility for the “Athina” bimonthly news bulletin [www.athina.uoa.gr] of the National and Kapodistrian University of Athens.

26. “Kapodistriako” fortnightly journal

UoA NTLab has undertaken, since 2002, desktop publishing, art direction and web edition responsibility for the “Kapodistriako” fortnightly journal [www.kapodistriako.uoa.gr] of the National and Kapodistrian University of Athens.

27. Web Radio of the Faculty of Communication and Mass Media Studies

The Laboratory of New Technologies in Communication, Education and the Mass Media, in collaboration with the Laboratory of Audiovisual Communication of the Faculty of Communication and Media Studies, has implemented and undertaken operation of the Faculty’s web radio service. [www.e-media.uoa.gr/radio]

Production of educational software

28. “21 En Plo” Educational Title

Within the “Seirines” project (EPEAEK Programme), the Laboratory of New Technologies in Communication, Education and the Mass Media has undertaken, in collaboration with FINATEC, the study and design of the “21 En Plo” educational software title.

29. “Perseas” Educational Title

In the context of the project “Intercultural Approach of Myths, Mathematics and Learning Difficulties in the New Technological Communication Environment” (INTERREG-II Programme) UoA NTLab, together with the University of Aegean as prime contractor and the Universities of Cyprus, Lebanon and Cairo, has undertaken development of the Educational CD-ROM “Perseas”, a bilingual multimedia educational title in Greek and Arabic.



Education, training and new media literacy programs

The Laboratory of New Technologies in Communication, Education and the Mass Media has realised the design, organisation and implementation of the following actions for education, training and literacy in the new media.

30. New Communication and Information Media

Program of training seminars for the journalists working by the General Secretariat for Communication – General Secretariat for Information of the Greek Ministry of Press (2006).

31. New Media, Ethics and Globalization Issues

Program of training seminars for the journalists-members of the Greek Union of Editors of Periodical and Electronic Press (ESPIT) (2005-2006)

32. Communication Aspects and Applications of New Technologies in the Educational Process

Program of training and new media literacy seminars for teachers of all grades and specializations, in collaboration with the Regional Training Centers of the Greek Ministry of National Education and Religious Affairs (1992-1996).