Ε.Κ.Ε.Φ.Ε. “Δημόκριτος”
Ινστιτούτο Πληροφορικής και Τηλεπικοινωνιών
Net Media Lab - Mind & Brain R&D

# Ημερίδα Παρουσίασης Αποτελεσμάτων Έργου 3D2ACT

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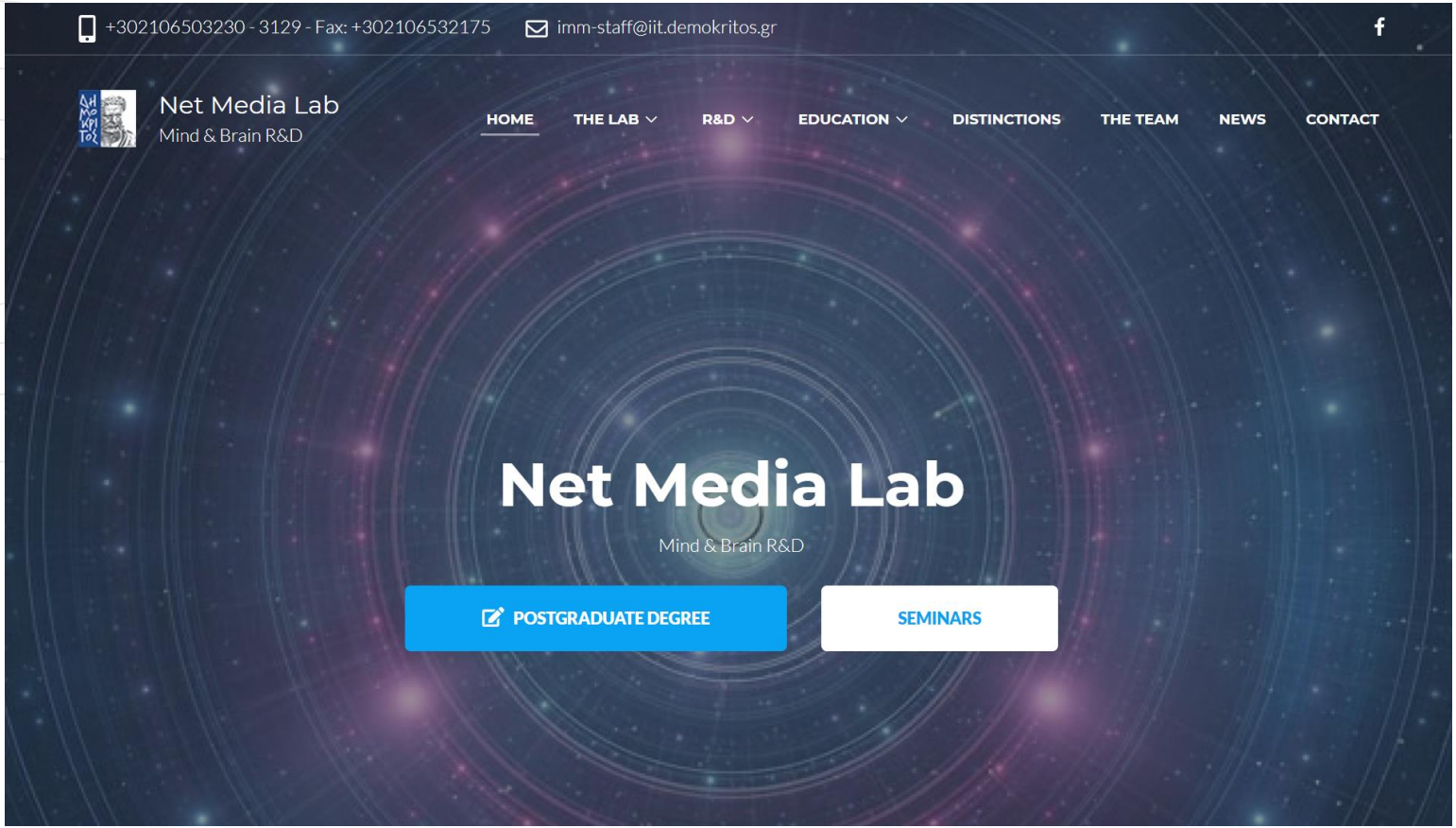
http://imm.iit.demokritos.gr/

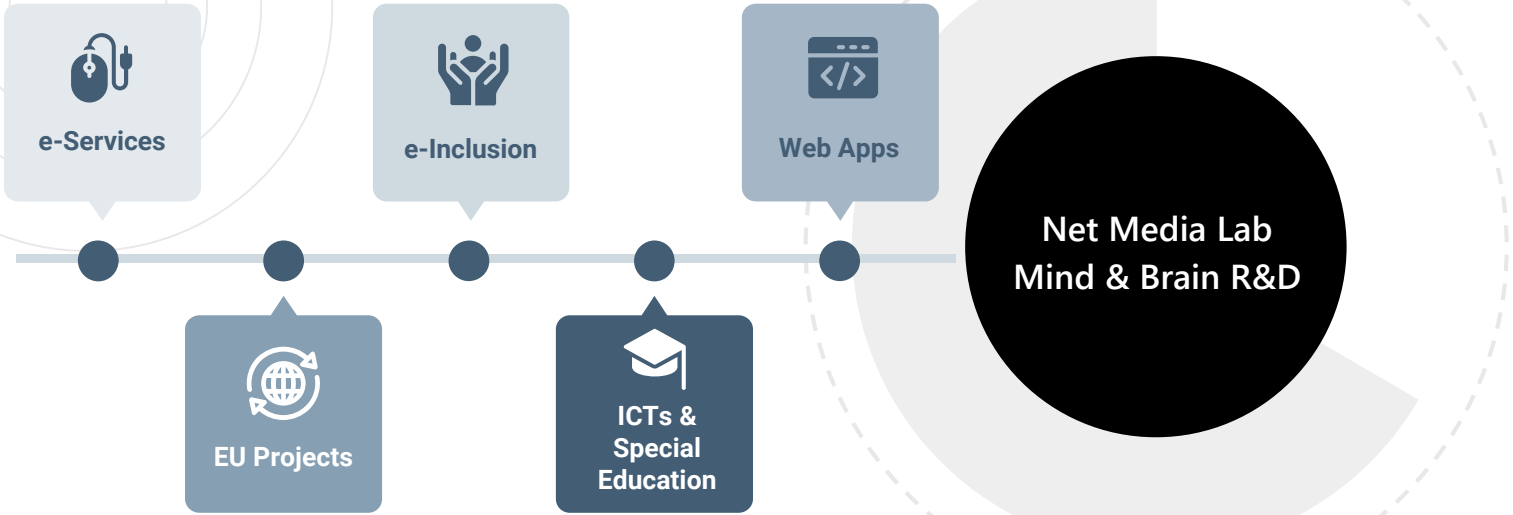
http://imm.iit.demokritos.gr/wp-content/uploads/2021/02/drgr.pdf

4 Μαΐου 2023




Net Media Lab, Mind & Brain, R&D: http://imm.iit.demokritos.gr/

DEMOKRITOS




http://imm.iit.demokritos.gr/

# Education

Interinstitutional - Interdepartmental Postgraduate Programme organized by the Department of Greek Philology of the Democritus University of Thrace and the Institute of Informatics & Telecommunications (I.I.&T.) of the National Centre for Scientific Research “Demokritos” entitled "Specialization in ICTs and Special Education: Psychopedagogy of Inclusion“

http://specialedu.iit.demokritos.gr/

Many PhD Degree Theses Researches, Studying ICTS for Cognition and for Various Fields in Special Education

http://imm.iit.demokritos.gr/team/

Annual Seminars on “Specialization in ICTs and Special Education”:

https://edu4u.iit.demokritos.gr/

Training Activities within EU Projects

- ROBOTICS4DEAF
- CODESKILLS4ROBOTICS
- 3D2ACT
- DRONES@STEAM
- JOBS4ALL

http://imm.iit.demokritos.gr/education

# Μοριοδοτούμενα Εξ' Αποστάσεως Επιμορφωτικά Προγράμματα ΤΠΕ στην Ειδική Αγωγή

https://edu4u.iit.demokritos.gr/mod/page/view.php?id=4

# Publications

https://www.researchgate.net/profile/Athanasios_Drigas/research

**MORE THAN 500 PUBLICATIONS**

- **Intervention program using a robot for children with Autism Spectrum Disorder**
- **Metacognition, Mindfulness and Robots for Autism Inclusion**
- **Robotics in Autism Intervention**
- **Artificial intelligence in special education: A decade review**
- **Artificial Intelligence (AI) in Autism**
- **A Review on Artificial Intelligence in Special Education**
- **Artificial Intelligence in Autism Assessment**
- **Incorporation of Artificial Intelligence Tutoring Techniques in Mathematics**
- **A Review on ICTs, E-Learning and Artificial Intelligence for Dyslexic's Assistance**
- **Artificial Techniques for Language Disorders**
- **Decade Review (1999-2009): Artificial Intelligence Techniques in Student Modeling**
- **Decade review (1999-2009): progress of application of artificial intelligence tools in student diagnosis**

DEMOKRITOS

# Publications

https://www.researchgate.net/profile/Athanasios_Drigas/research

**MORE THAN 500 PUBLICATIONS**

DEMOKRITOS

- Women's Leadership via Digital Technology and Entrepreneurship in business and society
- Women with Special Educational Needs. Policies & ICT for Integration &Equality
- Emotional Intelligence & ICTs for Women and Equality
- Female Entrepreneurship and Employability in the Digital Era: The Case of Greece
- ICT-based Innovation and Employability for Women
- Online Research for the Impact of ICTs on Greek Women's Employability and Entrepreneurship

# Distinctions

http://imm.iit.demokritos.gr/distinctic

1. A new policy report of **European Commission** includes a Net Media Lab's Study for ICT's and **AI in Special Education (2019)**

2. A Net Media Lab's study was cited by the **American Governmental report** entitled: "**Environmental scan of educational technology** in **U.S. public schools**" (2018)

3. A Net Media Lab's study-article has been included in the **CIPD** Strategic Study entitled: "Rapid evidence review. Impact of **artificial intelligence**, robotics and automation technologies on work, targeting Global **Labor Market**" (2017)

4. The Net Media Lab's **project ieWomen** is the unique project from Greece that is referenced in the Europe's Digital Progress Report (**EDPR**) 2017 Country Profile Greece and has assigned the title "Highlight of the year 2017".

5. A Net Media Lab's study-article has been included in the **OECD** Strategic Proposal entitled: "Making Innovation Benefit All: Policies **for Inclusive Growth**, targeting Country Members" (2017)

6. A NET MEDIA LAB's study - article has been included in a report on Virtual Learning Environments VLEs **& DYSLEXIA** for **National Policy in UK** (2016)

**A Net Media Lab Study has been included in a German National Policy Report for AI @Education**

**A Net Media Lab Mind-Brain R&D's Research on AI in Special Education has been included in a Policy Document by the National Research Council of Canada. 2021.**

**A Net Media Lab Mind-Brain R&D's Research on AI in Special Education has been included in a Strategic Policy Recommendation by OECD. 2021.**

**A Net Media Lab's study – article has been included in a U.S.A. Congress, Disability National Council's Inclusion Policy Report for 2007-2014 submitted to the U.S.A. President. 2007**

**A Net Media Lab's study has been included in a "white paper" – strategic proposal for blockchain economy – virtual coins, and inclusive-supportive activities for people with disabilities.**

http://imm.iit.demokritos.gr/wp-content/uploads/2022/02/Distinctions_2005-2022.pdf

# Erasmus+ Projects

DEMOKRITOS

JOBS 4ALL

DRONES STEAM

3D2CT

DigiTeaL

STEAM 4ALL

CODESKILLS 4ROBOTICS

MY metamorphosis grant

ROBOTICS Deaf

MeLDE

CLICHA
Climate Change in Agriculture

Seniors GoDigital

primeTECH

Co-funded by the European Union

http://imm.iit.demokritos.gr/projects

# JOBS4ALL:

## Strengthening the Employability and Key Competences of Young People with Disabilities Through the Digital Transformation and Modernization of Youth Work

### AIMS

- Strengthen Young People with Disabilities (YPwDs) employability skills by improving existing training programmes integrating technology-based tools to enable young people into adulthood & effectively support their integration into the labour market.
- Advance training opportunities offered for a vulnerable group of the population through the advancement of Youth programmes on Employability Skills.

### CONSORTIUM

P1: N.C.S.R. "Demokritos" –

**Greece**

P2: Portuguese Association for Developmental Disorders and Autism of Coimbra (APPDA) –

**Portugal**

P3: Learning Center for Youth –

**Cyprus**

P4: Metropolisnet-European

Metropolis Employment Network EWIV –

**Germany**

P5: **Emphasys Centre –**

**Cyprus**

P6: **2 EPAL Agias Paraskevis –**

**Greece**

P7: Special School in Ignaców –

**Poland**

JOBS 4ALL

Strategic Partnerships for Youth Education
2021-2-EL02-KA220-YOU-000049207

30 months
(2/5/2022 - 1/11/2024)

Co-funded by the European Union

https://jobs4all-project.eu/

# DRONES@STEAM:

## Fostering Digital Transformation in VET Schools and Creating New Job Prospects in the Labour Market

### AIMS

- Promote high digital skills which appear to be missing from VET curricula and are currently needed to enter the labour market and be included in VET job profiles.
- Promote targeted 'wide and deep' digital competences and the use of technologies leading to the 4.0 industry.
- Promote job specific VET related skills for various fields and sectors which are not offered as work-based learning opportunities or include danger or hazards for the workers.

### CONSORTIUM

**P1: University of Crete – Greece**

**P2:** ECAM-EPMI – **France**

**P3:** Cyprus Computer Society – **Cyprus**

**P4:** Politeknika Ikastegia Txorierri – **Spain**

**P5:** N.C.S.R. "Demokritos" – **Greece**

**P6: Emphasys Centre – Cyprus**

**P7:** Regional Directorate of Primary and Secondary Education of Attica – **Greece**

DRONES STEAM

Strategic Partnerships for Vocational Education and Training
2021-1-EL01-KA220-VET-000034686

28 months
(28/2/2022 - 27/6/2024)

Co-funded by the European Union

http://dronesteam.eu/

# STEAM4ALL:

## Supporting the Digital Inclusion of All Students Through An Inter-disciplinary Programme For A Sustainable Future

### AIMS

- Design, pilot-test and produce an inclusive multimedia toolkit to support students with fewer opportunities.
- Help students with fewer opportunities to acquire a combination of digital (Coding and Robotics) and STEAM competences based on an interdisciplinary approach that will promote environmental education and sustainable development.

### CONSORTIUM

**P1:** Culture Goes Europe (CGE) – **Germany**

**P2:** European Digital Learning Network – **Italy**

**P3: 2nd E.K. of Piraeus – Greece**

**P4:** Stichting Amsterdam European Mobility – **Netherlands**

**P5: Emphasys Centre – Cyprus**

**P6:** N.C.S.R. "Demokritos" – **Greece**

**P7:** Gemeinschaftsschule Campus Efeuweg – **Germany**

STEAM4ALL

Strategic Partnerships for School Education
2020-1-DE03-KA201-077538

30 months
(1/10/2020 - 31/3/2023)

Erasmus+

http://steam4all.4learning.eu/ | https://steam4all.iit.demokritos.gr/