

KALLIOPI KANAKI

CURRICULUM VITAE



PERSONAL DATA

Name: Kalliopi Kanaki
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EDUCATION

2016 – 2021 Doctoral degree, University of Crete, School of Education, Department of Preschool Education. Doctoral thesis: “Assessing computational thinking in first and second grade of primary school amid environmental studies through the creation of digital games”.

2013 – 2015 Master's Degree in “Informatics and Multimedia”, Technological Educational Institute of Crete, School of Applied Technology, Department of Informatics Engineering.

2013 – 2014 Master's Degree in Educational Leadership (Master di secondo livello in leadership e management in educazione, dirigenza scolastica e governo della scuola), Università degli studi di Roma Tre, Roma, Italia. (Recognized by the Greek State).

1995 – 1999 Bachelor of Science in Computer Science, University of Crete, Computer Science Department.

1994 – 1996 Progressive Conservatory, School of Senior Theoretical Courses, Music Degree. (Recognized by the Greek State)

1988 – 1994 Bachelor of Science in Physics, University of Crete, Physics Department.

LANGUAGES

Greek	Native speaker.
English	Level C2 - Test of Interactive English (2017). Certificate of Competency in English – University of Michigan (2007).
Italian	Level C2 - Master di secondo livello in leadership e management in educazione, dirigenza scolastica e governo della scuola, Università degli studi di Roma Tre, Roma, Italia (2014).
Spanish	Level B2 - Certificado estatal de conocimiento de lenguas extranjeras – “buen conocimiento” de la lengua española (2012).

PROFESIONAL EXPERIENCE

2001 – Recent	Computer Science Teacher in Secondary Education.
1999 – 2005	Software Engineer for CMI/HTA (Center for Medical Informatics and Health Telematics Applications) at ICS/FORTH (Institute of Computer Science, Foundation of Research and Technology).
1992 – 1994	Mechanical Laboratory Assistant and Electrical Laboratory Assistant, University of Crete, Department of Physics.

CHAPTERS IN BOOKS

Kalogiannakis, M., & Kanaki, K. (2020). Introducing computational thinking unplugged in early childhood education within the context of physical and natural science courses: A pilot study in Greece. In *Handbook of Research on Integrating Computer Science and Computational Thinking in K-12 Education* (pp. 164-190). IGI Global.

Kanaki, K., Kalogiannakis, M., & Stamovlasis, D. (2020). Assessing Algorithmic Thinking Skills in Early Childhood Education: Evaluation in Physical and Natural Science Courses. In *Handbook of Research on Tools for Teaching Computational Thinking in P-12 Education* (pp. 103-138). IGI Global.

ARTICLES IN INTERNATIONAL JOURNALS

Kanaki, K., Kalogiannakis, M., Poulakis, E., & Politis, P. (2022). Employing mobile technologies to investigate the association between abstraction skills and performance in environmental studies in early primary school. *International Journal of Interactive Mobile Technologies (iJIM)*, 16(6), 241-248.

Kanaki, K., & Kalogiannakis, M. (2018). Introducing fundamental object-oriented programming concepts in preschool education within the context of physical science courses, *Education and Information Technologies*, 23(6), 2673-2698.

Kanaki, K., & Katsalis, N. D. (2018). The Implementation of Augmented Reality Applications in Education. *European Journal of Engineering Research and Science (CIE)*, 1-4.

INTERNATIONAL CONFERENCES

Kanaki, K., & Kalogiannakis (2021). Assessing abstraction skills in early primary school amid environmental studies. *14th ESERA Conference Fostering scientific citizenship in an uncertain world*, Virtual Conference, August 30 – September 3, 2021.

Kanaki, K., Kalogiannakis, M., Poulakis, E. & Politis, P. (2021). Assessing algorithmic thinking skills in early primary school amid environmental studies. *94th NARST Annual International Conference*, Strand 10 Curriculum and Assessment, Virtual Conference, April 7-10, 2021.

Kanaki, K., & Kalogiannakis, M. (2019). Assessing computational thinking skills at first stages of schooling. *3rd International Conference on Education and E-Learning*, Barcelona, Spain November 5-7, 2019.

Kanaki, K., & Kalogiannakis, M. (2019). Evaluating computational thinking skills in relation to the comprehension of natural science lesson's content. *11th International Conference on Education Technology and Computers*, Amsterdam, Netherlands, October 28 -31, 2019.

Kanaki, K., & Kalogiannakis, M. (2019). Enhancing Computational thinking skills in early childhood education. *ESERA 13th Conference The beauty and pleasure of understanding: engaging with contemporary challenges through science education*, Bologna, Italy, August 26 -30, 2019.

Kanaki, K., & Kalogiannakis, M. (2019). Introducing Computational Thinking and Object-Orientation in Primary Education within the Context of Physical Science

Courses. *NARST Annual International Conference*, Strand 12 Educational Technology Computers, interactive multimedia, video and other technologies, Baltimore, MD, USA, March 31 - April 3, 2019.

Kanaki, K., & Kalogiannakis, M. (2018). The development of computational thinking in early childhood education through the creation of digital games, *EECERA 28th Conference "Early Childhood Education, Families and Communities"*, Budapest, Hungary, 28th August - 31st August 2018.

PARTICIPATION IN RESEARCH PROJECTS

- 2021 – Recent** Weeks of International Teaching – Inclusive and Digital - WITEA-ID, Erasmus + Programme KA2 Strategic Partnerships for higher education KA2020-1-CZ01-KA226-HE-094464, Budget: 253.413,00 Euro (60.916 University of Crete), Duration: 2/5/2021 - 1/5/2023 Call: MENDELOVA UNIVERZITA V BRNE - (Invitation code: KA226-B771500C) <https://witea-id.eu/>
- 2020 – Recent** Next Generation Science Standards through STEAM– NGSS- KA2020-1-TR01-KA201-094463, 31/12/2020 – 30/11/2023 , Budget: 245.492,00 Euro (36.408,50 University of Crete), Duration: 31/12/2020 - 26/6/2023, Cordinator/Call: TC MILLI EGITIM BAKANLIGI USKUDAR ILCE MILLI EGITIM MUDURLUGU USKUDAR MEM (Invitation code: KA201-3BD6F1AE). <https://ngss.erasmus.site/>
- 2019 – 2021** Excellence Scholarship "Support researchers with emphasis on young researchers - cycle B "" from the Special Secretariat for the Management of Sectoral Operational Programs of the European Social Fund of the Ministry of Economy and Development, for the proposal "Assessment tool for fundamental computational thinking skills at first stages of schooling"
- 2017 – 2019** Virtual Teachers' Toolbox (VVT-Box), 2017-2019 Erasmus+ 2017-1-ES01 KA201-038199, Budget: 159.141,00 Euro (26.130 University of Crete), Duration: 1/10/2017 - 30/9/2019, Cordinator/Call: Colegio Internacional Costa Adeje (Invitation code: 2017 II-2 KA201 Multi Particulares 24G) <http://www.vtt-box.eu/blog/>
- 2017 – 2019** Special Account of Research of the University of Crete, KA 4713, PsysGramming (Physical Science Programming): An innovative game-based educational framework for the development of computational thinking in early childhood education within the context of physical science study.

- 2005 - 2006** Implementation of the project “Development of interactive e-health services with the use of hybrid satellite – wireless broadband communication” on behalf of the Foundation of Research and Technology.
- 2004** Implementation of the project “Design of innovative solutions for medical information systems and e-health services” on behalf of the Foundation of Research and Technology.
- 2002 – 2003** Implementation of the project “Development of Medical Image Data Processing and Management Systems” within the context of the HSX project.
- 2001 – 2002** Implementation of the project “Development of Clinical Information Systems” within the context of the HSX project.
- 1999 – 2001** Implementation of the project “Development of Clinical Information Systems and Healthcare Telematics Services” within the context of the INTEREG project.