

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[1]

- 1) Psani, A., Daliani, V., & Kotsifakos, D. (2020, September). Web-Based Personalized Diagnostic Evaluation for the Apprenticeship through Gamification. In *2020 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)* (pp. 1-6). IEEE.

Electronic ISBN:978-1-7281-6445-8

The screenshot displays the IEEE Xplore digital library interface. At the top, there is a navigation bar with links to IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. On the right, there are links for SUBSCRIBE, Cart, Create Account, and Personal Sign In. Below this, the IEEE Xplore logo is followed by links for Browse, My Settings, and Help. A prominent blue button for 'Institutional Sign In' is also present. A search bar with a magnifying glass icon is located in the center. Below the search bar, the breadcrumb trail reads 'Conferences > 2020 5th South-East Europe De...'. The main title of the document is 'Web-Based Personalized Diagnostic Evaluation for the Apprenticeship through Gamification'. Below the title, it states 'Publisher: IEEE' and provides links for 'Cite This' and 'PDF'. The authors listed are 'Aglia Psani; Victoria Daliani; Dimitrios Kotsifakos' with a link to 'All Authors'. On the left, a sidebar shows '43 Full Text Views'. The main content area includes an 'Abstract' section with a summary of the paper's aim. Below the abstract, there is a 'Document Sections' list with 'I. Introduction' and 'II. Diagnostic Evaluation For the Apprenticeship Through Gamification'. A 'Metrics' section is also visible. On the right side, there is a 'Need Full-Text' banner with a link to 'CONTACT IEEE TO SUBSCRIBE >'. Below this, a 'More Like This' section lists related articles. At the bottom right, there is a 'CAS' logo and the IEEE logo.

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites

SUBSCRIBE | Cart | Create Account | Personal Sign In

IEEE Xplore® | Browse | My Settings | Help | Institutional Sign In | IEEE

Conferences > 2020 5th South-East Europe De...

## Web-Based Personalized Diagnostic Evaluation for the Apprenticeship through Gamification

Publisher: IEEE | Cite This | PDF

Aglia Psani; Victoria Daliani; Dimitrios Kotsifakos | All Authors

43 Full Text Views

Read & annotate PDF | Add to wishlist

### Abstract

**Abstract:** The aim of this article is to present an example of a diagnostic evaluation for the specialty of Informatics in the 4th post-secondary year - Apprenticeship. This diagnostic assessment focuses on whether basic concepts about web design have been assimilated by apprentices in their previous years of study, since the knowledge of internet technologies and knowledge of the construction and maintenance of websites or other online forms is considered one of the most necessary for those graduating from Vocational Education and Training. The recording of the percentage of previously acquired knowledge is done individually, through gamification techniques

**Document Sections**

- I. Introduction
- II. Diagnostic Evaluation For the Apprenticeship Through Gamification

**Authors**

**Figures**

**References**

**Keywords**

**Metrics**

**Published in:** 2020 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)

**Date of Conference:** 25-27 September 2020

**Date Added to IEEE Xplore:** 13 October 2020

**INSPEC Accession Number:** 20055587

**DOI:** 10.1109/SEEDA-CECNSM49515.2020.9221780

**▼ ISBN Information:**

- Electronic ISBN:978-1-7281-6445-8
- USB ISBN:978-1-7281-6444-1
- Print on Demand(PoD) ISBN:978-1-7281-6446-5

**Publisher:** IEEE

**Conference Location:** Corfu, Greece

**Need Full-Text**  
access to IEEE Xplore for your organization?  
[CONTACT IEEE TO SUBSCRIBE >](#)

**More Like This**

- Intelligent Computer-Aided Instruction Modeling and a Method to Optimize Study Strategies for Parallel Robot Instruction  
IEEE Transactions on Education  
Published: 2013
- How to Improve the Quality and Effect of Computer Aided Instruction's Application in Classroom Teaching in Institutes of Higher Learning  
2010 Second International Workshop on Education Technology and Computer Science  
Published: 2010

[Show More](#)

CAS | IEEE

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[2]

- 2) Vrysouli, N., Kotsifakos, D., Dossis, M., & Douligeris, C. (2021, September). STEAM in VET-An ArcGIS StoryMap Approach. In *2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)* (pp. 1-8). IEEE.

Electronic ISBN:978-1-6654-2742-5

The screenshot shows the IEEE Xplore digital library interface. At the top, there's a navigation bar with links to IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. On the right, there are links for SUBSCRIBE, Cart, Create Account, and Personal Sign In. Below this is a search bar with a dropdown menu set to 'All' and a search icon. The main content area displays the article title 'STEAM in VET - An ArcGIS StoryMap Approach' with the publisher 'IEEE'. There are buttons for 'Cite This' and 'PDF'. Below the title, the authors are listed: Nikol Vrysouli; Dimitrios Kotsifakos; Michael Dossis; Christos Douligeris. A '26 Full Text Views' badge is visible. On the right side, there's a promotional banner for 'Need Full-Text' with a 'REQUEST A FREE TRIAL' button. Below the article title, there's a 'More Like This' section with several related article titles. The article abstract is visible, starting with 'The subject of this article is the presentation of an original and innovative Vocational Education and Training (VET) student project on the Architectural Gems of the Historical Center of Athens.' The document sections are listed on the left: I. Introduction, II. Elements of Action Development, III. The Project, IV. Further Analysis for the Importance of the Project, V. Conclusions and Future Work. The authors section is also visible. The figures and references sections are partially visible at the bottom. The footer of the page shows the IEEE logo and some additional information.

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites

SUBSCRIBE Cart Create Account Personal Sign In

IEEE Xplore® Browse ▾ My Settings ▾ Help ▾ Institutional Sign In

IEEE

Conferences > 2021 6th South-East Europe De...

## STEAM in VET - An ArcGIS StoryMap Approach

Publisher: IEEE Cite This PDF

Nikol Vrysouli; Dimitrios Kotsifakos; Michael Dossis; Christos Douligeris All Authors

26 Full Text Views

Read & annotate PDF Add to workspace

**Abstract**

**Document Sections**

I. Introduction

II. Elements of Action Development

III. The Project

IV. Further Analysis for the Importance of the Project

V. Conclusions and Future Work

**Authors**

**Figures**

**References**

**Abstract:**

The subject of this article is the presentation of an original and innovative Vocational Education and Training (VET) student project on the Architectural Gems of the Historical Center of Athens. The teaching, which was organized in the 2018 – 2019 school year, is part of the broader Science, Technology, Engineering, Arts & Mathematics (STEAM) interdisciplinary framework. The student's project combines Architectural Engineering, Topography - Geoinformatics, Information and Communication Technologies (ICT), History, and Artistic expression through multimedia. In this paper, the value of student-based inquisition and learning are presented relatively to STEAM education together with the use of innovative web applications.

**Published in:** 2021 6th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)

**Date of Conference:** 24-26 September 2021

**INSPEC Accession Number:** 21387988

**Date Added to IEEE Xplore:** 18 October 2021

**DOI:** 10.1109/SEEDA-CECNSM53056.2021.9566236

**▼ ISBN Information:**

**Electronic ISBN:** 978-1-6654-2742-5

**Print on Demand(PoD) ISBN:** 978-1-6654-2743-2

**Publisher:** IEEE

**Conference Location:** Preveza, Greece

**More Like This**

Problems and countermeasures in the use of Computer Aided Instruction in university graphic design teaching

2011 International Conference on Multimedia Technology

Published: 2011

Using geographical information system software and Internet technologies for multidisciplinary cultural education

Information Technology Based Proceedings of the Fifth International Conference on Higher Education and Training, 2004. ITHET 2004.

Published: 2004

Show More

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[3]

3) Kotsifakos D., Kostis, B., and Douligeris C., (2018, September). A case study of a laboratory experimental process in Vocational Education Training (VET). In 2018 South-Eastern European Design Automation, Computer Engineering, Computer Networks and Society Media Conference (SEEDA\_CECNSM) (pp. 1-8).

IEEE ISBN 978-618-83314-1-9

Conferences > 2018 South-Eastern European D...

## A case study of a laboratory experimental process in Vocational Education Training (VET)

Publisher: IEEE [Cite This](#) [PDF](#)

Kotsifakos Dimitrios ; Bill Kostis ; Douligeris Christos [All Authors](#)

29

Full

Text Views

[Read & annotate PDF](#) [Add to wisdom.ai](#)

Abstract

Document Sections

» Introduction

II. LABVIEW AND THE EXPERIMENTAL PROCESS

III. STATISTICAL ANALYSIS AND PROCESSING OF EXPERIMENTAL DATA

IV. Methodology evaluation

V. conclusion and Discussion

Authors

Figures

**Abstract:**

By utilizing data derived from a temperature fluctuation experiment, this article presents and investigates the in-classroom use potential and the computational capabilities of the latest versions of the modern software suites LabVIEW and SPSS. Following the detailed recording of the measurements related to the basic process of heat transfer through metallic objects and the statistical analysis of the experimental measurements, we present the calculations and the results as well as an evaluation of present-day computational tools and their future laboratory use for Vocational Education and Training (VET).

**Published in:** 2018 South-Eastern European Design Automation, Computer Engineering, Computer Networks and Society Media Conference (SEEDA\_CECNSM)

Date of Conference: 22-24 Sept. 2018

INSPEC Accession Number: 18288912

Date Added to IEEE Xplore: 29 November 2018

DOI: 10.23919/SEEDA-CECNSM.2018.8544931

▼ ISBN Information:

Electronic ISBN:978-618-83314-1-9

Print on Demand(PoD) ISBN:978-1-5386-4351-8

Publisher: IEEE

Conference Location: Kastoria, Greece

Back to Results

**More Like This**

Intelligent Computer-Aided Instruction Modeling and a Method to Optimize Study Strategies for Parallel Robot Instruction

IEEE Transactions on Education  
Published: 2013

How to Improve the Quality and Effect of Computer Aided Instruction's Application in Classroom Teaching in Institutes of Higher Learning

2010 Second International Workshop on Education Technology and Computer Science  
Published: 2010

[Show More](#)

## Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[4]

4) Kotsifakos, D., and Douligeris, C. (2019, February). Updating the directions and didactic approaches of the specialty of electronics: How do the fields of study of the specialty contribute to the development of the 21st century scientific innovations and what should be the principles of today's curriculum? In AIP Conference Proceedings (Vol. 2075, No. 1, p. 180012).

AIP Publishing. ISBN: 978-0-7354-1803-5

AIP Conference Proceedings



HOME BROWSE INFO FOR AUTHORS FOR ORGANIZERS

SIGN UP FOR ALERTS

Home > AIP Conference Proceedings > Volume 2075, Issue 1 > 10.1063/1.5091409

< PREV NEXT >

No Access • Published Online: 26 February 2019

### Updating the directions and didactic approaches of the specialty of electronics: How do the fields of study of the specialty contribute to the development of the 21<sup>st</sup> century scientific innovations and what should be the principles of today's curriculum?

AIP Conference Proceedings 2075, 180012 (2019); <https://doi.org/10.1063/1.5091409>

Dimitrios Kotsifakos<sup>1,a)</sup> and Christos Douligeris<sup>1,b)</sup>

[View Affiliations](#) [View Contributors](#)

PDF	E-READER	ABSTRACT	CITED BY	TOOLS	SHARE	METRICS	
Read & annotate PDF		Add to wizdom.ai					

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[5]

5) Kotsifakou, K. M., Kotsifakos, D., & Douligeris, C. (2022, March). Neural Network for Spam Recognition in Short Message Services as an Instructional Application for Students of Vocational Education and Training. In *2022 IEEE Global Engineering Education Conference (EDUCON)* (pp. 1405-1412). IEEE.

Electronic ISBN:978-1-6654-4434-7

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites

SUBSCRIBE | Cart | Create Account | Personal Sign In

IEEE Xplore® | Browse ▾ | My Settings ▾ | Help ▾ | Institutional Sign In | IEEE

All | ADVANCED SEARCH

Conferences > 2022 IEEE Global Engineering ...

## Neural Network for Spam Recognition in Short Message Services as an Instructional Application for Students of Vocational Education and Training

Publisher: IEEE | Cite This | PDF

Kontilenia Maria Kotsifakou ; Dimitrios Kotsifakos ; Christos Douligeris | All Authors

25 Full Text Views

Read & annotate PDF | Add to wisdom.ai

### Abstract

**Document Sections**

- I. Introduction
- II. Natural Language Processing and Neural Networks
- III. Neural Network Development For Spam SMS Recognition
- IV. Code and Executions
- V. Methodology Evaluation: Suggested Teaching Scenario

**Show Full Outline ▾**

**Authors**

**Figures**

**References**

**Keywords**

**Abstract:**

The education of Vocational Education and Training (VET) students on various topics related to the programming of personalized electronic devices beyond a strong theoretical foundation requires a broad hands-on experience as well. This paper proposes such a hands-on didactic application that can be integrated with the design of the extension of the curriculum of the Specialty "Technical Applications of Informatics" for the course "Computer Programming" of the Greek VET educational system. In particular, this paper explores how a program that identifies unsolicited (spam) Short Message Services (SMSs) using modern Natural Language Processing (NLP) techniques can be integrated into the teaching practice. First, we cover the theoretical background for the necessity of the intervention and the overall framework that is required to understand and ensure the correctness of the techniques used. Then, we demonstrate how the implementation of an artificial neural network can be used effectively to solve this particular problem. To achieve all the above, we have designed and proposed a teaching scenario that on the one hand approaches the new advanced communication technologies, and, on the other hand, operates within the cognitive limits of secondary technical education.

**Published in:** 2022 IEEE Global Engineering Education Conference (EDUCON)

**Date of Conference:** 28-31 March 2022

**Date Added to IEEE Xplore:** 11 May 2022

**INSPEC Accession Number:** 21744744

**DOI:** 10.1109/EDUCON52537.2022.9786733

**Publisher:** IEEE

**Conference Location:** Tunis, Tunisia

**▼ ISBN Information:**

Electronic ISBN:978-1-6654-4434-7

Print on Demand(PoD) ISBN:978-1-6654-4435-4

### Need Full-Text

access to IEEE Xplore for your organization?

CONTACT IEEE TO SUBSCRIBE >

### More Like This

English-Speaking Teaching System with Natural Language Processing Technology Based on Artificial Intelligence Algorithms

2022 10th International Conference on Information and Education Technology (ICIET)

Published: 2022

A Systematic Review on Spam Filtering Techniques based on Natural Language Processing Framework

2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence)

Published: 2021

Show More

IEEE CLIMATE CHANGE COLLECTION

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[6]

6) Kotsifakos, D., Almalis, N., Adamopoulos, P., Douligeris, C., (2017). Web-based Services to Support the Vocational Education and Training Apprenticeship. Proceedings of the ACM SouthEast European Design Automation, Computer Engineering, Computer Networks and Social Media Conference, ACM SEEDA-CECNSM '17, Kastoria, 23 – 25 September, Greece, (Pages 58 – 65). <http://ieeexplore.ieee.org/document/8089995/>

IEEE ISBN: 978-618-83314-0-2.

Conferences > 2017 South Eastern European D...

## Web-based services to support the vocational education and training apprenticeship

Publisher: IEEE [Cite This](#) [PDF](#)

Dimitrios Kotsifakos; Nikolaos Almalis; Panagiotis Adamopoulos; Christos Douligeris [All Authors](#)

1 Paper Citation 65 Full Text Views

[Read & annotate PDF](#) [Add to WISDOM AI](#)

### Abstract

**Document Sections**

- I. Introduction
- II. Modern VET Status-Apprenticeship Operation Context-Legislation
- III. Pareto Spread Metric-Rea, UML - Fodra Algorithm
- IV. Characteristic Class Diagram (UML - Modelling)
- V. Characteristic Sequence Diagramm (UML - Modelling)

[Show Full Outline](#)

**Abstract:**

This article aims to present a strategy to properly distribute the graduates to complete a fourth year of after-Lyceum apprenticeship in the specialized field of Vocational Education and Training (VET) as it is implemented in Greece. The theoretical solution of the issue is presented, as well as the terms and conditions that should be met in order to create an on-line platform capable of organizing and presenting the best distribution of graduates. Finally, we designed, programmed and created on-line platform to achieve the best possible of Vocational Lyceum graduates to particular apprenticeship positions offered by companies.

**Published in:** 2017 South Eastern European Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)

**Date of Conference:** 23-25 Sept. 2017

**Date Added to IEEE Xplore:** 02 November 2017

**INSPEC Accession Number:** 17333847

**DOI:** 10.23919/SEEDA-CECNSM.2017.8089995

**Publisher:** IEEE

**Conference Location:** Kastoria, Greece

**▼ ISBN Information:**

Electronic ISBN:978-618-83314-0-2

Print on Demand(PoD) ISBN:978-1-5386-2770-9

### More Like This

[Computer-Based Training Increases Efficiency in X-Ray Image Interpretation by Aviation Security Screeners](#)

2007 41st Annual IEEE International Carnahan Conference on Security Technology

Published: 2007

[Adaptive Computer-Based Training Increases on the Job Performance of X-Ray Screeners](#)

2007 41st Annual IEEE International Carnahan Conference on Security Technology

Published: 2007

[Show More](#)

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[7]

7) Kotsifakos, D., Kostis, B., Douligeris, C. (2017, April). Science, technology, engineering and mathematics (STEM) for vocational education in Greece. In Global Engineering Education Conference (EDUCON), 25-28 April 2017, Athens, Greece. IEEE (pp. 1831-1836) Electronic ISSN: 2165-9567. <http://ieeexplore.ieee.org/abstract/document/7943099/>

IEEE Electronic ISSN: 2165-9567

Conferences > 2017 IEEE Global Engineering ...

## Science, technology, engineering and mathematics (STEM) for vocational education in Greece

Publisher: IEEE [Cite This](#) [PDF](#)

Dimitrios Kotsifakos ; Bill Kostis ; Christos Douligeris [All Authors](#)

7  
Paper  
Citations

297  
Full  
Text Views

[Read & annotate PDF](#) [Add to wizard.ai](#)

Abstract

Document Sections

» Introduction

» Stem — IBL — LMS

» Variables for the Four Phases

» Future Work-Conclusions

Authors

Figures

References

Citations

Keywords

Metrics

Abstract:

The purpose of this article is to investigate how to design and organize Science, Technology, Engineering and Mathematics (STEM) courses for students of Technical Vocational Education and Training (TVET). Our work has been triggered by the fact that the Greek government following European standards for training has enacted a two-hour STEM course for the first class of the technical high schools. Through an enriched learning environment, we analyze the teaching mechanisms as well as the actions that should be implemented with the intention of supporting vocational educational students to acquire the best preparation for the STEM courses. We present several learning strategies that utilize educational technologies in order for the students and the teachers of TVET to achieve the optimum adaptation.

Published in: 2017 IEEE Global Engineering Education Conference (EDUCON)

Date of Conference: 25-28 April 2017

INSPEC Accession Number: 16946663

Date Added to IEEE Xplore: 08 June 2017

DOI: 10.1109/EDUCON.2017.7943099

▼ ISBN Information:

Electronic ISBN:978-1-5090-5467-1

USB ISBN:978-1-5090-5466-4

Print on Demand(PoD) ISBN:978-1-5090-5468-8

Publisher: IEEE

Conference Location: Athens, Greece

Electronic ISSN: 2165-9567

« Previous | Back to Results | Next »

More Like This

Moving teaching from blackboard to the learning management system — Helping absent students learn from home

2018 41st International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO)

Published: 2018

Integration of Teaching Taxonomy into Personalized Learning Management System using Felder-Silverman Model

2019 IEEE Conference on Sustainable Utilization and Development in Engineering and Technologies (CSUDET)

Published: 2019

Show More

# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[8]

8) Kotsifakos, D., Adamopoulos, P., Douligeris, C., (2016). Design and Development of a Learning Management System for Vocational Education. Proceedings of the SouthEast European Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM '16, (Kastoria, 25 – 28 September, Greece) (Pages 110-117), ACM, New York USA, <http://doi.acm.org/10.1145/2984393.2984413> ISBN: 978-1-4503-4810-2

ACM, ISBN: 978-1-4503-4810-2

The screenshot shows the ACM Digital Library interface. At the top, there are navigation links: Journals, Magazines, Proceedings, Books, SIGs, Conferences, and People. A search bar is located on the right. Below the navigation bar, the breadcrumb trail reads: Home > ICPS Proceedings > SEEDA-CECNSM '16 > Design and Development of a Learning Management System for Vocational Education. The article title is prominently displayed. Below the title, the authors are listed: Dimitrios Kotsifakos, Panagiotis Adamopoulos, and Christos Douligeris. The article is identified as a RESEARCH-ARTICLE. The publication details include: SEEDA-CECNSM '16: Proceedings of the SouthEast European Design Automation, Computer Engineering, Computer Networks and Social Media Conference • September 2016 • Pages 110–117 • <https://doi.org/10.1145/2984393.2984413>. The online date is 25 September 2016. There are 4 citations and 246 views. A 'Get Access' button is visible.

The screenshot shows the ACM Digital Library interface for the SEEDA-CECNSM '16 conference. The header includes the ACM Digital Library logo and navigation links. The main banner features the text 'International Conference Proceeding Series (ICPS)' and a search bar. Below the banner, the breadcrumb trail reads: Home > ICPS Proceedings > SEEDA-CECNSM '16. The conference title is 'SEEDA-CECNSM '16: Proceedings of the SouthEast European Design Automation, Computer Engineering, Computer Networks and Social Media Conference'. The publisher is the Association for Computing Machinery, New York, NY, United States. The conference details are: SEEDA-CECNSM '16: SouthEast European Design Automation, Computer Engineering, Computer Networks and Social Media Conference • Kastoria Greece • September 25 – 27, 2016. The ISBN is 978-1-4503-4810-2. There are options to 'Recommend ACM DL', 'Get Alerts for this Conference', 'Save to Binder', and 'Export Citation'. A 'SIGN IN' button is also present for existing subscribers.

## Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[9]

9) Kotsifakos D., Karvounidis T., Douligeris C. (2015). A Metacognition Approach in The Teaching of Web Technologies. 8th annual International Conference of Education, Research and Innovation. Proceedings of ICERI2015 Conference. 16-18 November 2015, Seville Spain. (Pages 6451- 6461). <https://library.iated.org/publications/ICERI2015>. ISBN: 978-84-608-2657-6/ ISSN: 2340-1095

IATED ISBN: 978-84-608-2657-6/ ISSN: 2340-1095

The screenshot shows the IATED Digital Library search results page. The top navigation bar includes links for ABOUT IATED, CONFERENCES, PUBLICATIONS, IATED TALKS, DIGITAL LIBRARY, BOOKSHOP, MAILING LIST, CONTACT US, LOGIN, and social media icons. The search bar on the left shows the query 'publication:ICERI2015' with 25 hits per page. The main content area displays the 'Browsing the publication:' section for 'ICERI2015 Proceedings', including the conference details, ISBN, and ISSN. Below this, there are links to 'FRONT MATTER' and 'TABLE OF CONTENTS'. The 'Crossref' logo is visible at the bottom left.

The screenshot shows the IATED Digital Library search results page for the paper 'A METACOGNITION APPROACH IN THE TEACHING OF WEB TECHNOLOGIES'. The top navigation bar is the same as the previous screenshot. The search bar on the left shows the query 'publication:ICERI2015' with 25 hits per page. The main content area displays the 'About this paper' section, including the paper title, authors (D. Kotsifakos, T. Karvounidis, C. Douligeris), and the conference details. The paper abstract is also visible.

## Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[10]

10) Kotsifakos, D., Makropoulos G., and Douligeris C., (2019) Teaching Internet of Things (IoT) in the Electronics Specialty of Vocational Education and Training (VET). 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference in collaboration with the Institute of Electrical and Electronics Engineers (IEEE). SEEDA-CECNSM 2019 Organizing Committee, University of Piraeus, Department of Informatics. <https://seeda2019.unipi.gr/>

**Publisher: IEEE    Electronic ISBN:978-1-7281-4757-4**

Conferences > 2019 4th South-East Europe De...

### Teaching Internet of Things (IoT) in the Electronics Specialty of Vocational Education and Training

**Publisher: IEEE** [Cite This](#) [PDF](#)

Dimitrios Kotsifakos ; Giorgos Makropoulos ; Christos Douligeris [All Authors](#)

1  
Paper  
Citation

71  
Full  
Text Views

[Read & annotate PDF](#) [Add to wisdom.ai](#)

**Abstract**

Document Sections

I. Introduction

II. Taxonomy of simple sensors

III. Related work

IV. Methodology Evaluation:  
Suggested Scenario  
Teaching Approach

V. Methodology Evaluation:  
Suggested Scenario  
Methodology

[Show Full Outline](#)

[Authors](#)

[Figures](#)

**Abstract:**

The new curricula of the electronics specialty, either in formal secondary education (3rd class of vocational high schools) or in non-formal classes (apprenticeship in VET), will use and study sensors operating in IoT environments. Since the operating standards of the Internet of Things (IoT) sensors are totally different from the basic types of sensors currently taught in the specialties of VET, this article studies this curriculum transition. In particular, a new updated method of teaching sensor technologies in Vocational Education and Training (VET) in Greece, based on the perspective of IoT, is presented. The proposed scenario consists of a theoretical approach as well as of a laboratory practice with equipment supporting the IoT framework.

**Published in:** 2019 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM)

**Date of Conference:** 20-22 Sept. 2019

**Date Added to IEEE Xplore:** 21 November 2019

**DOI:** 10.1109/SEEDA-CECNSM.2019.8908384

**Publisher:** IEEE

**Conference Location:** Piraeus, Greece

**▼ ISBN Information:**  
Electronic ISBN:978-1-7281-4757-4  
Print on Demand(PoD) ISBN:978-1-7281-4758-1

< Previous | Back to Results

**More Like This**

Application of Internet of Things and Virtual Reality Technology in College Physical Education  
IEEE Access  
Published: 2020

Investigating the Impact of the Internet of Things in Higher Education Environment  
IEEE Access  
Published: 2021

[Show More](#)

## Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[11]

11) Kotsifakos, D., Adamopoulos, P., Kotsifakou, P., & Douligeris, C. (2020, April). Vocational education and training apprenticeship: Using teaching and learning analytics in a learning management system for improved collaboration, individual empowerment and development of apprentices. In *2020 IEEE Global Engineering Education Conference (EDUCON)* (pp. 1775-1782). IEEE.

Electronic ISBN:978-1-7281-0930-5

Conferences > 2020 IEEE Global Engineering ...

### Vocational Education and Training Apprenticeship: Using Teaching and Learning Analytics in a Learning Management System for improved Collaboration, Individual Empowerment and Development of Apprentices

Publisher: IEEE [Cite This](#) [PDF](#)

Dimitrios Kotsifakos ; Panagiotis Adamopoulos ; Paraskevi Kotsifakou ; Christos Douligeris [All Authors](#)

4  
Paper  
Citations

227  
Full  
Text Views

[Read & annotate PDF](#) [Add to wisdom.ai](#)

#### Abstract

#### Document Sections

- I. Introduction and Structure of the Article
- II. Introduction For Apprenticeship In Vocational Education and Training In Greece
- III. Tia In Vet
- IV. Teaching and Learning Analytic'S Methodology Inside the Lms
- V. Ease of Use For Teaching Analytics

#### Abstract:

The Vocational Education and Training (VET) curriculum aims to provide students with the necessary skills to make them employable and successful in their specialties. Therefore, an increasing number of VET curricula are employing various resources to equip students with 21<sup>st</sup> century skills such as critical thinking, creativity, communication, collaboration, and information literacy. In this paper, we explore the key dimensions of active learning for empowering and enriching Collaboration, Individual Empowerment, and Development of the apprentices' learning processes through Teaching and Learning Analytics (TLA), in a Learning Management System (LMS) for VET apprenticeships. We describe in detail "how TLA can "work" in a VET environment, and we present how we organize the TLA methodology inside the proposed LMS.

Published in: [2020 IEEE Global Engineering Education Conference \(EDUCON\)](#)

Date of Conference: 27-30 April 2020

Date Added to IEEE Xplore: 25 June 2020

▼ ISBN Information:  
Electronic ISBN:978-1-7281-0930-5  
Print on Demand(PoD) ISBN:978-1-7281-0931-2

INSPEC Accession Number: 19731285

DOI: [10.1109/EDUCON45650.2020.9125343](#)

Publisher: IEEE

Conference Location: Porto, Portugal

Need Full-Text  
access to IEEE Xplore  
for your organization?  
[CONTACT IEEE TO SUBSCRIBE >](#)

#### More Like This

Problems and countermeasures in the use of Computer Aided Instruction in university graphic design teaching  
2011 International Conference on Multimedia Technology  
Published: 2011

The Application of Computer Aided Instruction in Course of Elements of Information Theory  
2015 7th International Conference on Information Technology in Medicine and Education (ITME)  
Published: 2015

[Show More](#)



# Εισηγήσεις σε πρακτικά διεθνών συνεδρίων με έκδοση ISBN ή ISSN

[12]

12) Adamopoulos, P., Kotsifakos, D., and Douligeris, C. (2018, November). Study, design and development of a modern video system to improve services from the production to the end user. *In Proceedings of the 22nd Pan-Hellenic Conference on Informatics* (pp. 196-201). <https://doi.org/10.1145/3291533.3291583>  
**ACM. ISBN: 978-1-4503-6610-6**

ACM DIGITAL LIBRARY

Association for Computing Machinery

BrowseAboutSign InRegister

JournalsMagazinesProceedingsBooksSIGsConferencesPeople

Search ACM Digital LibraryAdvanced Search

ConferenceProceedingsUpcoming EventsAuthorsAffiliationsAward Winners

Home > Conferences > PCI > Proceedings > PCI '18 > Study, design and development of a modern video system to improve services from the production to the end user

RESEARCH-ARTICLE



## Study, design and development of a modern video system to improve services from the production to the end user

Authors: Panagiotis Adamopoulos, Dimitrios Kotsifakos, Christos Douligeris [Authors Info & Claims](#)

PCI '18: Proceedings of the 22nd Pan-Hellenic Conference on Informatics • November 2018 • Pages 196–201 • <https://doi.org/10.1145/3291533.3291583>

Online: 29 November 2018 [Publication History](#)

ACM DIGITAL LIBRARY

Association for Computing Machinery

BrowseAboutSign InRegister

JournalsMagazinesProceedingsBooksSIGsConferencesPeople

Search ACM Digital LibraryAdvanced Search

ConferenceProceedingsUpcoming EventsAuthorsAffiliationsAward Winners

Conference  
**PCI**  
PCI: Panhellenic Conference on Informatics

Search within PCI

Home > Conferences > PCI > Proceedings > PCI '18

### PCI '18: Proceedings of the 22nd Pan-Hellenic Conference on Informatics



2018 Proceeding

Editors: Karanikolas Nikitas, Mamalis Basilis, 4  
Publisher: Association for Computing Machinery, New York, NY, United States

Conference: PCI '18: 22nd Pan-Hellenic Conference on Informatics • Athens Greece • 29 November 2018 – 1 December 2018

ISBN: 978-1-4503-6610-6

Recommend ACM DL

ALREADY A SUBSCRIBER? [SIGN IN](#)

Get Alerts for this Conference

Save to Binder

Export Citation

