Cyprus College

30 Αυγούστου 2017

Επιτροπή Εξωτερική Αξιολόγησης
Φορέας Διασφάλισης και Πιστοποίησης της Ποιότητας της Ανώτερης Εκπαίδευσης
Λεωφόρος Λεμεσού 5
2112 ΛΕΥΚΩΣΙΑ

Θέμα: **Δεύτερη Αξιολόγηση του Προγράμματος Σπουδών με την Επωνυμία «Πληροφορική (4 έτη πλήρους φοίτησης ή 8 έτη μερικής φοίτησης, Πτυχίο)» του Ιδρύματος Ανώτερης Εκπαίδευσης Cyprus College Limassol**

Αναφορικά με την επιστολή σας Αρ. Φακ. 07.14.043.004 ημερομηνίας 2 Αυγούστου 2017 (επισυνάπτεται) που αναφέρεται στο πιο πάνω θέμα, το Κολλέγιο συμμορφώνεται και υλοποιεί τις παρατηρήσεις που αναφέρονται στις σελίδες δύο και τρία της πιο πάνω επιστολής (Βλέπε επισυναπτόμενο Παράρτημα Α).

Χρίστος Βακανάς
Διευθυντής

Συν. (2)

Αρ. Φακ.: 07.14.043.004

Αρ. Τηλ.: 22 504347

Αρ. Φαξ: 22 504392

2 Αυγούστου 2017

ΕΠΕΙΓΟΝ:

Πρόεδρο Συμβουλίου

Διευθυντή

Cyprus College Λεμεσού

Χρίστο Βακανά

Θέμα: Δεύτερη Αξιολόγηση του Προγράμματος Σπουδών με την Επωνυμία «Πληροφορική (4 έτη πλήρους φοίτησης ή 8 έτη μερικής φοίτησης), Πτυχίο» του Ιδρύματος Ανώτερης Εκπαίδευσης Cyprus College Λεμεσού

Έχω οδηγίες να αναφερθώ στο πιο πάνω θέμα για να σας ενημερώσω τα ακόλουθα:

Ο Φορέας Διασφάλισης και Πιστοποίησης της Ποιότητας της Ανώτερης Εκπαίδευσης, κατά την 21η Σύνοδό του η οποία πραγματοποιήθηκε στις 24 και 25 Ιουλίου 2017, στη βάση του Άρθρου 20 (2)(στ)(ii) των περί της Διασφάλισης και Πιστοποίησης της Ποιότητας της Ανώτερης Εκπαίδευσης και της Ίδρυσης Φορέα για Συναφή Θέματα» Νόμων του 2015 και 2016 [Ν. 136(Ι)/2015 και Ν.47(Ι)/2016] και με βάση τις εισηγήσεις στην έκθεση της Επιτροπής Εξωτερικής Αξιολόγησης, η οποία απεστάληκε στο ίδρυμά σας και των παρατηρήσεων του ιδρύματός σας, έκρινε ότι δικαιολογείται η διεξαγωγή Δεύτερης Αξιολόγησης πριν τη λήψη των τελικών αποφάσεων.

Συγκεκριμένα, εντός <u>τριών μηνών</u> από την ημερομηνία της παρούσας επιστολής καλείστε όπως υποβάλετε στον Φορέα Διασφάλισης Πιστοποίησης της Ποιότητας Έκθεση, τεκμηριώνοντας τις αλλαγές με πρόσθετα στοιχεία τα οποία έχουν κριθεί απαραίτητα για την πιστοποίηση του προγράμματος και την εύρυθμη λειτουργία του στο πλαίσιο των κριτηρίων διασφάλισης και πιστοποίησης της ποιότητας τα οποία βρίσκονται αναρτημένα στην ιστοσελίδα του Φορέα.

1/3

Κατά την Δεύτερη Αξιολόγηση, η οποία θα πραγματοποιηθεί χωρίς πρόσθετο κόστος για το ίδρυμα, θα κριθεί στη βάση της Έκθεσης που θα υποβληθεί από μέρους σας, κατά πόσον <u>υπάρχει πλήρης συμμόρφωση και υλοποίηση, και όχι απλώς δέσμευση,</u> των πιο κάτω:

1. Γραπτή τεκμηρίωση της εφαρμογής των κριτηρίων 1.3.1 και 1.3.7 που αφορούν τις παρατηρήσεις της ΕΕΑ για το διδακτικό προσωπικό.

   "There is no dedicated critical mass of full-time academic staff exclusively occupied by the Cyprus College Limassol. The vast majority of the full-time subject-specific academic staff is affiliated with the European University Cyprus, a partner institution. Thus, this criterion that requires "exclusively" occupation at the institution, seems problematic and causes an identity loss of the programme under evaluation as well as its delivery. The above deteriorate the creation of an appropriate environment and subsequently the recognition of the full-time academic personnel in their research community. Exclusive occupied College staff are teaching focused and without any prior engagement in research activities, which limits evidence of any research informed teaching." (Έκθεση ΕΕΑ, σελ. 23)

   Το διδακτικό προσωπικό πρέπει να ενισχυθεί με μέλη πλήρους και αποκλειστικής απασχόλησης με εμπειρία και ερευνητικό έργο στον τομέα της Πληροφορικής. Ο λόγος του αριθμού μαθημάτων του προγράμματος σπουδών που διδάσκεται από ακαδημαϊκό προσωπικό πλήρους και αποκλειστικής απασχόλησης προς τον αριθμό των μαθημάτων που διδάσκεται από ακαδημαϊκό προσωπικό μερικής απασχόλησης να διασφαλίζει την ποιότητα σπουδών του προγράμματος σπουδών.

   Για την εργοδότηση πρέπει να αποσταλούν προσυμφωνίες εργοδότησης, καθώς και συμβόλαιο εργοδότησης όταν το πρόγραμμα λειτουργήσει. Να αποσταλεί επίσης βιογραφικό σημείωμα το οποίο να περιλαμβάνει αναλυτικά τις δημοσιεύσεις και το ερευνητικό έργο για κάθε ένα από τα μέλη του διδακτικού προσωπικού για το συγκεκριμένο πρόγραμμα σπουδών.

2. Γραπτή τεκμηρίωση της εφαρμογής του κριτηρίου 2.4.1 που αφορά τις παρατηρήσεις της ΕΕΑ για την αποτελεσματική διαχείριση του προγράμματος από προσωπικό που εργοδοτείται στο ίδρυμα όσον αφορά στον σχεδιασμό, στην έγκριση, στην παρακολούθηση και στην αναθεώρησή του.

"There is no dedicated staff affiliated with the Cyprus College Limassol to deal with the management of the programme under evaluation." (Έκθεση ΕΕΑ, σελ. 27)

3. Γραπτή τεκμηρίωση της εφαρμογής του κριτηρίου 3.1.3 που αφορά τις παρατηρήσεις της ΕΕΑ για την παροχή επαρκών και ικανοποιητικών εγκαταστάσεων και εξοπλισμού για τη στήριξη των ερευνητικών συνιστωσών του προγράμματος σπουδών τα οποία είναι διαθέσιμα και προσβάσιμα στο προσωπικό και στους φοιτητές/τριες.

"There is no research activity directly affiliated with, and dedicated to the Cyprus College Limassol and subsequently no appropriate research synergies to support a research informed teaching environment for the programme under evaluation.

To this end, there is a need to invest on and establish a relevant research infrastructure and support environment, as this will lead to improved teaching experience due to the elevated research experience of the academic staff. Additionally, it will also lead to improve the research element of the student coursework and project dissertations." (Έκθεση ΕΕΑ, σελ. 11)

"The program under evaluation will benefit from investing on appropriate infrastructures and research equipment." (Έκθεση ΕΕΑ, σελ. 29)

Υπενθυμίζεται ότι λαμβάνοντας υπόψη το υφιστάμενο Νομοθετικό πλαίσιο που διέπει τη διασφάλιση της ποιότητας της ανώτερης εκπαίδευσης στη Δημοκρατία, τα ιδρύματα ανώτερης εκπαίδευσης δεν μπορούν να λειτουργούν ούτε και να διαφημίζουν νέα προγράμματα σπουδών τα οποία δεν έτυχαν αξιολόγησης – πιστοποίησης από τον Φορέα.

Είμαστε στη διάθεσή σας για τυχόν επιπρόσθετες πληροφορίες ή/και διευκρινίσεις.

(Δρ. Ελένη Δεληγιάννη)
για Πρόεδρο Συμβουλίου Φορέα Διασφάλισης
και Πιστοποίησης της Ποιότητας
της Ανώτερης Εκπαίδευσης

Ημερομηνία: 2/8/17

Αντίγραφο στον: 05.06.008
Κοιν.: Υπουργό Παιδείας και Πολιτισμού

3/3

ΠΑΡΑΡΤΗΜΑ Α

Για σημείο 1 σελίδα δύο:

[Γραπτή τεκμηρίωση της εφαρμογής των κριτηρίων 1.3.1 και 1.3.7 που αφορούν τις παρατηρήσεις της ΕΕΑ για το διδακτικό προσωπικό.

"There is no dedicated critical mass of full-time academic staff exclusively occupied by the Cyprus College Limassol. The vast majority of the full-time subject-specific academic staff is affiliated with the European University Cyprus, a partner institution. Thus, this criterion that requires "exclusively" occupation at the institution, seems problematic and causes an identity loss of the programme under evaluation as well as its delivery. The above deteriorate the creation of an appropriate environment and subsequently the recognition of the full-time academic personnel in their research community. Exclusive occupied College staff are teaching focused and without any prior engagement in research activities, which limits evidence of any research informed teaching." (Έκθεση ΕΕΑ, σελ. 23).

Το διδακτικό προσωπικό πρέπει να ενισχυθεί με μέλη πλήρους και αποκλειστικής απασχόλησης με εμπειρία και ερευνητικό έργο στον τομέα της Πληροφορικής. Ο λόγος του αριθμού μαθημάτων του προγράμματος σπουδών που διδάσκεται από ακαδημαϊκό προσωπικό πλήρους και αποκλειστικής απασχόλησης προς τον αριθμό των μαθημάτων που διδάσκεται από ακαδημαϊκό προσωπικό μερικής απασχόλησης να διασφαλίζει την ποιότητα σπουδών του προγράμματος σπουδών.

Για την εργοδότηση πρέπει να αποσταλούν προσυμφωνίες εργοδότησης, καθώς και συμβόλαια εργοδότησης όταν το πρόγραμμα λειτουργήσει. Να αποσταλεί επίσης βιογραφικό σημείωμα το οποίο να περιλαμβάνει αναλυτικά τις δημοσιεύσεις και το ερευνητικό έργο για κάθε ένα από τα μέλη του διδακτικού προσωπικού για το συγκεκριμένο πρόγραμμα σπουδών.]

Το Κολλέγιο υλοποιεί:

- Άμεση πρόσληψη δύο πλήρους και αποκλειστικής απασχόλησης ακαδημαϊκό προσωπικό. Επισυνάπτονται προσυμφωνίες εργοδότησης (Α1α και Α2α) καθώς επίσης και τα βιογραφικά τους σημειώματα. (Α1β και Α2β)

1

Για σημείο 2 σελίδα δύο:

[Γραπτή τεκμηρίωση της εφαρμογής του κριτηρίου 2.4.1 που αφορά τις παρατηρήσεις της ΕΕΑ για την αποτελεσματική διαχείριση του προγράμματος από προσωπικό που εργοδοτείται στο ίδρυμα όσον αφορά στον σχεδιασμό, στην έγκριση, στην παρακολούθηση και στην αναθεώρησή του.

"There is no dedicated staff affiliated with the Cyprus College Limassol to deal with the management of the programme under evaluation." (Έκθεση ΕΕΑ, σελ. 27)]

Το Κολλέγιο υλοποιεί:

- Η διαχείριση του προγράμματος γίνεται από το σχετικό ακαδημαϊκό προσωπικό (όσον αφορά στον σχεδιασμό, στην έγκριση, στην παρακολούθηση και στην αναθεώρηση του προγράμματος).

  Οτιδήποτε εισηγήσεις υπάρχουν γίνονται στο τέλος κάθε ακαδημαϊκού έτους.

  Οι εισηγήσεις μεταφέρονται στην ακαδημαϊκή επιτροπή και στην επιτροπή εσωτερικής ποιότητας για να ληφθούν τελικές αποφάσεις.

  Η διαχείριση του προγράμματος γίνεται από τους πιο κάτω ακαδημαϊκούς:
  1. Δρ. Ανδρέας Αριστείδου
  2. Δρ. Χρίστος Γιάλλουρας
  3. Κ. Γιώργος Παλλαρής
  4. Δρ. Βίκυ Παπαδοπούλου Λέστα

Για σημείο 3 σελίδα τρία:

[Γραπτή τεκμηρίωση της εφαρμογής του κριτηρίου 3.1.3 που αφορά τις παρατηρήσεις της ΕΕΑ για την παροχή επαρκών και ικανοποιητικών εγκαταστάσεων και εξοπλισμού για τη στήριξη των ερευνητικών συνιστωσών του προγράμματος σπουδών τα οποία είναι διαθέσιμα και προσβάσιμα στο προσωπικό και στους φοιτητές/τριες.

"There is no research activity directly affiliated with, and dedicated to the Cyprus College Limassol and subsequently no appropriate research synergies to support a research informed teaching environment for the programme under evaluation.

To this end, there is a need to invest on and establish a relevant research infrastructure and support environment, as this will lead to improved teaching experience due to the elevated research experience of the academic staff. Additionally, it will also lead to improve the research element of the student coursework and project dissertations." (Έκθεση ΕΕΑ, σελ. 11)"

"The program under evaluation will benefit from investing on appropriate infrastructures and research equipment." (Έκθεση ΕΕΑ, σελ. 29)]

Το Κολλέγιο εφαρμόζει:

- Πολιτική έρευνας (επισυνάπτεται, Α3).
- Παρέχει επαρκή και ικανοποιητικές εγκαταστάσεις και εξοπλισμό για στήριξη των ερευνητικών συνιστωσών του προγράμματος σπουδών τα οποία είναι διαθέσιμα και προσβάσιμα στο προσωπικό και στους φοιτητές/τριες, όπως:

    - ➤ Στο Microsoft Innovation Center Cyprus
    - ➤ Microsoft dream Spark
    - ➤ Moodle Learning Management System
    - ➤ Center for Games Studies (http://games.euc.ac.cy/)
    - ➤ Decision Support and Systems Optimization Laboratory (DSSO http://dsso.euc.ac.cy/)
    - ➤ Mobile Computing Center (MECI http://meci.euc.ac.cy/)
    - ➤ Research Laboratory in ICT-Enhanced Education and Research and Learning Laboratory in Science (ICTEE icteeresearch.com/)
    - ➤ Astrophysics and High Performance Computing Group (AHPC http://ahpc.euc.ac.cy/)
    - ➤ Holdings: http://euc.kohalibrary.com/
    - ➤ E-sources in the AMS platform: http://pr2xp9ea8b.search.serialssolutions.com/
    - ➤ Databases: http://euc.ac.cy/en/library/search-the-euc-e-journals-and-databases

- Έγινε αναβάθμιση του εξοπλισμού (Hardware και Software) των 2 εργαστηρίων των Ηλεκτρονικών Υπολογιστών.
  Αντικατάσταση 20 υπολογιστών στο εργαστήριο 501 και 26 υπολογιστών στο εργαστήριο 502.

Memorandum of Understanding

between:

SPS Institute of Education Ltd (Cyprus College Limassol), a company incorporated in the Republic of Cyprus, with registration number HE 57275, of Archbishop Makarios III 56, 3065, Limassol, Cyprus (the "Employer");

and

Dr Andrea Aristidou of [12 Methanon Kato Polemidia, 4155 Limassol, Cyprus]

collectively called the Party and Parties means anyone of them.

This is to confirm that the Parties agree to collaborate in the future on the grounds of academic full time collaboration for the program of **«Πληροφορική (4 έτη πλήρους φοίτησης ή 8 έτη μερικής φοίτησης), Πτυχίο»**, under the following conditions:

a. program accreditation and students' enrolment; and

b. if conditions in item (a) are not secured this memorandum is terminated as if never made.

No amendment, consent, or waiver of terms of this memorandum shall bind either Party, unless a contract of appointment is signed by both Parties.

In Witness whereof the Parties hereto have set their hands this 22nd day of August, 2017.

....

Loukia Polygerinos Tzyrkas   **Dr Andreas Aristidou**
Director
Human Resources Department
EUROPEAN UNIVERSITY - CYPRUS LTD
SPS Institute of Education Ltd (Cyprus College Limassol)

WITNESSES

1)...........
2)...........

ANDREAS ARISTIDOU

Curriculum Vitae (August, 2017)
Date of birth: *11ᵗʰ January 1982*

Contact Information:
✉: 12 Methanon Street, Kato Polemidia, 4155, Limassol
Cyprus
✆: a.aristidou@ieee.org
🌐: http://www.andreasaristidou.com
🌐: Cypriot / EU Citizen

EDUCATION

Apr.'07 - Apr.'11	**University of Cambridge:** Department of Engineering, Division of Information, Signal Processing and Communication Group, *PhD in Engineering.* *Thesis title:* Tracking and modelling motion for biomechanical analysis.
Oct.'05 - Sep.'06	**University of London:** King's College London, School of Physical Sciences and Engineering, Division of Engineering, *MSc in Mobile & Personal Communications.* Awarded Grade: **Distinction**
Oct.'01 - Sep.'05	**National & Kapodistrian University of Athens:** Faculty of Science, Department of Informatics & Telecommunications. *BSc in Informatics & Telecommunications.*

WORK EXPERIENCE

ACADEMIC EXPERIENCE

Feb.'16 - Today	**Interdisciplinary Center Herzliya (Israel):** Postdoctoral researcher at the Efi Arazi School of Computer Science.
Nov.'15 - Jan.'16	**Shandong University (China):** Postdoctoral researcher at the Interdisciplinary Research Center, School of Computer Science and Technology.
Jan.'15 – Oct.'15	**Cyprus University of Technology:** Deputy Project Manager of the Initial Training Network on Digital Cultural Heritage (ITN-DCH), Department of Electrical Engineering, Computer Engineering and Informatics.
Jun.'12 - Dec.'14	**University of Cyprus:** Postdoctoral researcher at the Department of Computer Science working on ViDaPe (Visual Dance Performance for Interactive Characters), a motion analysis & simulation project funded by the Cyprus Research Promotion Foundation.
Mar.'11 - Jun.'11	**University of Cyprus:** Postdoctoral researcher at the Department of Computer Science working on SimPol VR (Virtual Reality Police Simulator), a project funded by the Cyprus Research Promotion Foundation.

TEACHING AND SUPERVISING EXPERIENCE

Feb.'17 - Jun.'17	**Cyprus College:** Lecturing position, responsible for the course: *Computer Graphics.*
Sep.'14 - Dec.'14	**Cyprus University of Technology:** Lecturing position at the Department of Electrical and Computer Engineering. Responsible for the BSC course: *Computer Graphics.*
Jun.'12 - Dec.'14	**University of Cyprus:** Supervising the final projects of 4ᵗʰ year students for the BSc degree in Computer Science. Teaching parts of the courses *"Software technology for Video Games"* and *"Research methodologies in Computer Science"* for the MSc degree in Computer Game design and the BSc degree in Computer Science, respectively.
Jan.'12 - Jun.'12	**University of Nicosia:** Lecturing position at the Department of Design and Multimedia. Responsible for the BSc course: *Audio-visual Foundations.*
Oct.'11 - Jun.'12	**Cyprus College:** Lecturing position, responsible for four courses: *Computer Networks, Digital Logic Design, Information Technology, and Spread-sheet Applications.*
Sep.'09 - Jun.'10	**University of Cambridge:** Teaching Assistant in Division F, Department of Engineering. Responsible for the second year information engineering laboratories.
Apr.'07 - Sep.'09	**University of Cambridge:** Supervisor for *Signals and Systems (3ʳᵈ year module)* and Lab Demonstrator for Computing IB *(MATLAB, 2ⁿᵈ year lab).*

OTHER WORK EXPERIENCE

Oct.'06 - Apr.'07   **Amdocs Development Ltd (ADL):** Programming SME in the Software Development and Design Department of ADL, in Cyprus.

AWARDS - SCHOLARSHIPS - PRIZES

2017   Awarded the **nVIDIA GPU grant.**

2015   Part of a consortium that has been awarded the **DARIAH-EU Theme 2015** in Open Humanities for organizing a workshop on e-documentation of the Intangible Cultural Heritage (€6K).

2012 - 2014   Awarded the **ΔΙΔΑΚΤΩΡ** fellowship (for young researchers) from the **Cyprus Research Promotion Foundation** to establish research in motion simulation (ViDaPe project) at the Graphics and Virtual Reality Lab, University of Cyprus (€125K, with acceptance rate 5%).

2013   Awarded the **Office of Naval Research Global (ONRG) Visiting Scientist Program (VSP)** to visit PhaseSpace Inc. offices in CA, USA to gain experiences in subjects relative to motion capture.

2007 - 2010   **Cambridge European Trust Bursary** for PhD studies at the University of Cambridge.

PROFESSIONAL COLLABORATIONS

2013 - 2014   Collaborated with **The Imaginarium Studios,** a studio applying all aspects of Performance Capture technology; the collaboration aimed at incorporating biomechanical and physiological constraints, to automate skeletal retargeting and to exchange experiences and expertise in related subjects.

2011 - Today   **PhaseSpace Inc.,** a leading company in motion capture technology, has offered me a full 8-cameras Impulse X2 motion capture system and software (valued $60K US) to continue our successful collaboration and my research activity in Cyprus.

LANGUAGES, COMPUTER SKILLS AND OTHER QUALIFICATIONS

Languages: Greek (native speaker), English (fluently).

Computing:
- Operating Systems: Expert user of Windows.
- Programming Languages: C, MATLAB, SQL, HTML, CSS, LaTeX.
- Extensive knowledge of Microsoft Office, Adobe Collection (*Photoshop, Illustration, After-Effect and Premiere*), Autodesk (*3ds Max and MotionBuilder*), UNITY 3D, and basic use of Blender.
- Expert user of motion capture systems (PhaseSpace, Vicon, Optitrack, RGB-Depth sensors)

Extras:
- Web-designing skills. Skills related to Human-Computer Interaction.
- **Telecoms Engineer's Certificate**: fourth-month training on wireless and wired communications, cryptography, antennae specifications etc. from the **Signal Training Centre** (*Hellenic Army*).

PUBLICATIONS

JOURNALS:

1. **Andreas Aristidou**, Efstathios Stavrakis, Margarita Papaefthimiou, George Papagiannakis, and Yiorgos Chrysanthou, "Style-based Motion Analysis for Dance Composition", *The Visual Computer (Accepted)*, 2017.

2. **Andreas Aristidou**, Joan Lasenby, Yiorgos Chrysanthou, and Ariel Shamir, "Inverse Kinematics in Computer Graphics: A Survey", *Computer Graphics Forum (Accepted)*, 2017.

3. **Andreas Aristidou**, Qiong Zeng, Efstathios Stavrakis, Kangkang Yin, Daniel Cohen-or, Yiorgos Chrysanthou, and Baoquan Chen, "Emotion Control of Unstructured Dance Movements", *Proceedings of the ACM SIGGRAPH/ Eurographics Symposium on Computer Animation, SCA'17. Eurographics Association, Aire-la-Ville, Switzerland,* 2017.

4. **Andreas Aristidou**, "Hand Tracking with Physiological Constraints", *The Visual Computer*, pages 1-16, 2016.

5. Simon Senecal, Louis Cuel, **Andreas Aristidou**, and Nadia Magnenat-Thalmann, "Continuous body emotion recognition system during theater performances", *Comp. Animation & Virtual Worlds*, 27(3-4): 311-320, 2016.

6. **Andreas Aristidou**, Yiorgos Chrysanthou, and Joan Lasenby, "Extending FABRIK with Model Constraints", *Comp. Animation & Virtual Worlds*, 27(1): 35-57, 2016.

7. **Andreas Aristidou**, Efstathios Stavrakis, Panayiotis Charalambous, Yiorgos Chrysanthou, and Stephania L. Himona, "Folk Dance Evaluation Using LMA", *ACM Journal on Computing and Cultural Heritage*, 8(4): 1-19, 2015.

8. **Andreas Aristidou**, Panayiotis Charalambous, Yiorgos Chrysanthou, "Motion analysis and classification: Understanding the performers' emotions using LMA entities", *Computer Graphics Forum*, 34(6): 262–276, 2015.

9. **Andreas Aristidou**, Efstathios. Stavrakis, Yiorgos Chrysanthou, "Cypriot Intangible Cultural Heritage: Digitizing Folk Dances", *Cyprus Computer Society journal*, Issue 25, *pages 42-49*, Nicosia, April, 2014.

10. **Andreas Aristidou**, Joan Lasenby, "Real-time marker prediction and CoR estimation in optical motion capture", *The Visual Computer*, 29 (1): 7-26, Springer Berlin/Heidelberg, 2013.

11. **Andreas Aristidou**, Joan Lasenby, "FABRIK: a fast, iterative solver for the inverse kinematics problem", *Graphical Models*, 73(5): 243-260, Elsevier, 2011.

BOOK CHAPTERS:

1. **Andreas Aristidou**, Joan Lasenby, "Inverse Kinematics solutions using Conformal Geometric Algebra", In L. Dorst and J. Lasenby (Eds), Guide to Geometric Algebra in Practice, pages 47-62, Springer Verlag, 2011.

CONFERENCE PROCEEDINGS:

1. Margarita Papaefthimiou, George Papagiannakis, **Andreas Aristidou**, and Marinos Ioannides, "A Conformal Geometric Algebra framework for Mixed Reality and mobile display", In *Proceedings of the 6th Conference on Applied Geometric Algebra in Computer Science and Engineering (AGACSE'15)*, Barcelona, Spain, July 2015.

2. **Andreas Aristidou**, Efstathios Stavrakis, and Yiorgos Chrysanthou, "LMA-Based Motion Retrieval for Folk Dance Cultural Heritage", In *Proceedings of the 5th International Conference on Cultural Heritage (EuroMed'14)*, LNCS, volume 8740, pages, 207-216, Limassol, Cyprus, November 3 - 8, 2014.

3. **Andreas Aristidou**, Efstathios Stavrakis, and Yiorgos Chrysanthou, "Motion Analysis for Folk Dance Evaluation", In *Proceedings of the 12th EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH'14)*, pages 55-64, Darmstadt, Germany, October 5 - 8, 2014. **[BEST PAPER AWARD]**

4. **Andreas Aristidou**, and Yiorgos Chrysanthou, "Feature extraction for human motion indexing of acted dance performances", In *Proceedings of the 9th International Conference on Computer Graphics Theory and Applications (GRAPP'14)*, pages 277-287, Portugal, January 05-08, 2014.

5. **Andreas Aristidou**, and Yiorgos Chrysanthou, "Motion indexing of different emotional states using LMA components", In *SIGGRAPH Asia Technical Briefs (SA'13)*, ACM, New York, USA, 21:1-21:4, 2013.

6. Haris Zacharatos, Christos Gatzoulis, Yiorgos Chrysanthou, and **Andreas Aristidou**, "Emotion Recognition for Exergames using LMA", In *Proceedings of ACM Motion in Games (MIG'13)*, Ireland, November 7-9, 2013.

7. Efstathios Stavrakis, **Andreas Aristidou**, Maria Savva, Stephania L. Himona, and Yiorgos Chrysanthou, "Digitization of Cypriot Folk Dances", In *Proceedings of the 4th International Conference in Cultural Heritage Preservation (EuroMed'12)*, LNCS, volume 7616, pages 404-413, Limassol, Cyprus, Oct. 29 – Nov. 3, 2012.

8. **Andreas Aristidou**, and Joan Lasenby, "Motion Capture with Constrained Inverse Kinematics for Real-Time Hand Tracking", In *IEEE Proceedings of the 4th International Symposium on Communications, Control and Signal Processing (ISCCSP'10)*, Limassol, Cyprus, May 3-5, 2010.

9. **Andreas Aristidou**, Jonathan Cameron, and Joan Lasenby, "Predicting Missing Markers to Drive Real-Time Centre of Rotation Estimation", In *5th International Conference on Articulated Motion and Deformable Objects (AMDO'08)*, LNCS, Volume 5098, pages 238-247, Mallorca, Spain, July 9-11, 2008.

10. **Andreas Aristidou**, Jonathan Cameron, and Joan Lasenby, "Real-Time Estimation of Missing Markers in Human Motion Capture", In *IEEE Proceedings of the 2nd International Conference on Bioinformatics and Biomedical Engineering (iCBBE'08)*, pages 1343-1346, Shanghai, China, May 16-18, 2008.

11. **Andreas Aristidou**, Paul Pangalos, and Hamid Aghvami, "Tracking Multiple Sports Players for Mobile Display", In *Proceeding of the 2007 International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV'07*, pages 53-59, Las Vegas, Nevada, USA, June 25-28, 2007.

12. Theodoros Giannakopoulos, Dimitrios Kosmopoulos, **Andreas Aristidou**, and Sergios Theodoridis, "Violent Content Classification using Audio Features", In *Hellenic Artificial Intelligence Conference SETN-06, LNCS, Volume 3955*, pages 502-507, Heraklion, Crete, Greece, May 18-20, 2006.

Other Publications:

1. **Andreas Aristidou**, "Reliable indexing and recognition of violent scenes using audio features", *Annual journal of the Dep. of Informatics & Telecommunications, Best dissertations of the year*, pages 127-136, Athens, Greece, 2006.

Technical Reports:

1. **Andreas Aristidou**, and Yiorgos Chrysanthou, "Marker Prediction and Skeletal Reconstruction in Motion Capture Technology", *Technical Report (UCY-CS-TR-13-2), University of Cyprus*, 2013.

2. **Andreas Aristidou**, and Joan Lasenby, "Inverse Kinematics: a review of existing techniques and introduction of a new fast iterative solver", *Technical Report (CUEDF-INFENG, TR-632), University of Cambridge*, 2009.

3. **Andreas Aristidou**, Joan Lasenby, and Jonathan Cameron, "Methods for Real-time Restoration and Estimation in Optical Motion Capture", *Technical Report (CUEDF-INFENG, TR-619), University of Cambridge*, 2009.

EXTRA CURRICULAR ACTIVITIES

Technical Paper Reviews:

- **Conferences**: *ACM SIGGRAPH, Eurographics, Computer Graphics International (PC member), ENGAGE (co-Organizer), Melecon, and Euromed: Digitization of Cultural Heritage.*
- **Journals**: *Computer & Graphics, The Visual Computer, ACM Journal on Computing & Cultural Heritage, IET Computer Vision, IET Signal Processing, Mathematical Methods in the Applied Sciences, Advances in Applied Clifford Algebras, Advances in Information Fusion, and Computer Methods & Programs in Biomedicine.*

Invited Talks:

- **Summer School on Visual Computing, Shandong University, China (2016)** – *Emotion analysis using LMA.*
- **University of Cyprus (2016)** - *Automatic Error Detection and Correction in Motion Capture Data.*
- **Tel-Aviv University, Israel (2016)** - *Self-Similarity Analysis for Error Detection in Motion Capture Data.*
- **Summer School on Visual Computing, Shandong University, China (2016)** - *Introduction to Comp. Graphics.*
- **Shandong University, Jinan, China (2015)** - *Dance Synthesis with Emotion Control.*
- **Tel-Aviv University, Israel (2015)** - *Dancing with Emotions.*
- **University of Cyprus (2015)** - *Visual Dance Performance for Interactive Characters (Vi.Da.Pe).*
- **Disney Research, Edinburgh, Scotland (2014)** - *Visual Dance Performance for Interactive Characters (Vi.Da.Pe).*
- **PhaseSpace Inc. San Leadro, USA (2013)** - *Marker prediction and CoR estimation for real-time skeletal reconstruction.*
- **The Imaginarium Studios, London, England (2013)** - *Human modelling with physiological constraints.*
- **University of Cambridge, England (2013)** - *Extracting the dance emotions using Laban Movement Analysis.*
- **University of Athens, Greece (2012)** - *Digitization, classification and comparison of EU dances.*
- **National Technical University of Athens, Greece (2012)** – *Digitizing dances using motion capture technology.*
- **Cyprus University of Technology (2011)** - *Forward and Backward Reaching Inverse Kinematics.*
- **University of Cyprus (2010)** - *Inverse Kinematics and applications in engineering.*
- **University of Cambridge, England (2010)** - *Marker prediction and CoR estimation in optical motion capture.*

Memberships of Scientific Societies

- Member of the Institute of Electrical and Electronics Engineers, IEEE (since 2004) and member of the Association for Computing Machinery, ACM (since 2007).
- Member of the Research and Technology Committee of the Cypriot Scientific and Technical Chamber (ETEK) and member of the Cyprus Computing Society (CCS).

REFERENCES

Dr. Yiorgos Chrysanthou	**Prof. Daniel Cohen-or**	**Prof. Ariel Shamir**	**Prof. Baoquan Chen**
University of Cyprus	*Tel-Aviv University*	*Interdisciplinary Center Herzliya*	*Shandong University*

Memorandum of Understanding

between:

SPS Institute of Education Ltd (Cyprus College Limassol), a company incorporated in the Republic of Cyprus, with registration number HE 57275, of Archbishop Makarios III 56, 3065, Limassol, Cyprus (the "Employer");

and

Dr Christo Yialloura of [13os Dromos,Block B,Flat 103,Kato Polemidia, 4159 Limassol, Cyprus]

collectively called the Party and Parties means anyone of them.

This is to confirm that the Parties agree to collaborate in the future on the grounds of academic full time collaboration for the program of **«Πληροφορική (4 έτη πλήρους φοίτησης ή 8 έτη μερικής φοίτησης), Πτυχίο»**, under the following conditions:

a. program accreditation and students' enrolment; and

b. if conditions in item (a) are not secured this memorandum is terminated as if never made.

No amendment, consent, or waiver of terms of this memorandum shall bind either Party, unless a contract of appointment is signed by both Parties.

In Witness whereof the Parties hereto have set their hands this 22nd day of August, 2017.

Loukia Polygerinos Tzyrkas
Director
Human Resources Department
EUROPEAN UNIVERSITY - CYPRUS LTD
SPS Institute of Education Ltd (Cyprus College Limassol)

Dr Christos Yiallouras

WITNESSES

1)..........
2)..........

<center>**Curriculum Vitae**
Christos Yiallouras</center>

ADDRESS

Christos Yiallouras
13th Street, No 48, Block B, Flat 103
4159, Kato Polemidia, Limassol, CYPRUS
Phone: 357 - 99343548
E-mail: christosyiallouras@gmail.com

PERSONAL INFORMATION

Date of birth:	June 04, 1983.
Birthplace:	Limassol-CYPRUS
Nationality:	Greek-Cypriot
Religion:	Christian Orthodox.
Military service:	Completed 2003 (26 months service).
Marital Status:	Married.

EDUCATION

City Univeristy London, London, UK
Ph.D. in Biomedical Engineering, School of Mathematics, Computer Science & Engineering, Department of Electrical and Electronic Engineering, January 2015

Frederick Institute of Technology, Limassol, Cyprus
Bachelor of Science in Computer Science, Computer Science and Engineering Department, June 2007.

THESIS

C. Yiallouras, Ph.D. Dessertation, «Design of a 2D MRI compatible robot for performing prostate cancer treatment using therapeutic ultrasound »
Directors: Prof. Christakis Damianou, Prof. Panayiotis Kyriacou
Online : http://openaccess.city.ac.uk/14485/

PROFESIONAL EXPERIENCE

2017 – Today	Theova UHS Enterprise Solutions LTD, Software Developer
2017 – Today	Cyprus College, Part time Lecturer (Course : Software Technology)
2014 – 2016	Cyprus University of Technology, Electrical Engineering, Computer engineering and Informatics Department, Post Doctoral Researcher
2011 – 2016	MEDSONIC LTD R&D Department, Software engineer, MRI compatible robotics and software development

2007 – 2014   Cybernet Computer Training Centers, Vemar Computer LTD
Training Students In Computer Use, Computer Services

COURSEWORK (out of 58)

Programming Languages, Web design, Calculus I,II, Statistics I, II, Discrete Mathematics, Algorithms and Complexity, Data Communications and Computer Networks, System Analysis and Design, Software Engineering, Object Oriented Programming Database systems, Object Oriented Programming, Programming with Java, E-commerce, Introduction to Robotics, Parallel processing and anlgorithms, Image and signal Processing, Compiler writting, Logic programming, Artificial Intelligence

COMPUTER EXPERIENCE

Operating Systems: MS Windows Operating System (Windows XP, Vista, 7 and 10), MS Windows Server '08, Ubuntu Desktop, Ubuntu Server.

Programming languages: C, C#, C++, Java, Visual Basic .NET, Microsoft Visual Studio .NET, MATLAB

Programming Languages for web applications: Ajax, ASP.NET, Cascading Style Sheets CSS, HTML5, XML Knowledge, Javascript, JQuery UI, JSP, PHP

Relational Database Systems: MySQL and MySQL Workbench, MS SQL, MS Access

Multimedia Editing: Adobe Photoshop, Adobe Dreamweaver CS5, Adobe Flash

Computer Aided Design: Microstation, AutoCAD

Hardware services: Troubleshooting

RESEARCH AND PROFESSIONAL INTERESTS

Software Development
Databases
Web application development
MRI compatible robotics
MRI Compatible phantoms

ACHIEVEMENTS

Awarded by Frederick Institute of Technology with honour for high performance in final examinations, June 2007.

Awarded by Frederick Institute of Technology with honour for best academic performance in his class, June 2007.

GRANTS

MR guided sonothrombolysis, Internal grant, Cyprus University of Technology, role: post doc, Duration: 2014-2016

Development of an MR-guided Focused Ultrasound device for the treatment of Prostate cancer (PROFUS), EUREKA, EUROSTARS program, role: partner, Duration: 2011-2014

SUMMARY OF MAIN GRANT

Development of an MR-guided Focused Ultrasound device for the treatment of Prostate cancer (PROFUS).

The objective of PROFUS is to develop and evaluate clinically an innovative medical device, using focused ultrasound under MR imaging control, to provide an alternative, non invasive method to treat prostate cancer effectively and reliably without the complications of surgery.

PARTICIPATION IN CONFERENCES

ICECECE 2015 : 17th International Conference on Electrical, Computer, Electronics and Communication Engineering
on May, 21-22, 2015 at Berlin, Germany

ICECECE 2014 : 16th International Conference on Electrical, Computer, Electronics and Communication Engineering
on July, 27-28, 2014 at London, United Kingdom

IEEE 12th International Conference on BioInformatics and BioEngineering, November 11-13 2012, Larnaca, Cyprus

JOURNAL PAPERS

Menikou G., Yiannakou M., Yiallouras C., Ioannides C., Damianou C. MRI□compatible breast/rib phantom for evaluating ultrasonic thermal exposures. Int J Med Robotics Comput Assist Surg. 2017;e1849. https://doi.org/10.1002/rcs.1849

Yiannakou M., Menikou G., Yiallouras C., Damianou C. MRI guided focused ultrasound robotic system for animal experiments, International Journal of Medical Robotics and Computer Assisted Surgery, February 2017, DOI: 10.1002/rcs.1804

Yiannakou M., Menikou G., Yiallouras C., Damianou C. MRI-guided coupling for a focused ultrasound system using a top-to-bottom propagation, Journal of Therapeutic Ultrasound, December 2016, December 2016, DOI 10.1186/s40349-017-0087-x

Papadopoulos N., Menikou G., Yiannakou M., Yiallouras C., Ioannides K., Damianou C. Evaluation of a small flat rectangular therapeutic ultrasonic transducer intended for intravascular use, Ultrasonics, 74 :196–203, October 2016, DOI : http://dx.doi.org/10.1016/j.ultras.2016.10.014

Papadopoulos N., Yiallouras C., Damianou C. The enhancing effect of focused ultrasound on TNK- Tissue Plasminogen Activator induced thrombolysis using an in vitro circulating flow model, Journal of Stroke and Cerebrovascular Diseases, Accepted: July 2016, DOI : http://dx.doi.org/10.1016/j.jstrokecerebrovasdis.2016.07.052

Menikou G., Yiallouras C., Yiannakou M., Damianou C. MRI guided Focused Ultrasound Robotic System for the Treatment of bone cancer. The International Journal of Medical Robotics and Computer Assisted Surgery, Published : July 2016, DOI: 10.1002/rcs.1753

Menikou G., Yiannakou M., Yiallouras C., Ioannides C., Damianou C. MRI-compatible bone phantom for evaluating ultrasonic thermal exposures, Ultrasonic , Published : May 2016. DOI:10.1016/j.ultras.2016.05.020

Yiannakou M., Trimikliniotis M., Yiallouras C., Damianou C. Evaluation of focused ultrasound algorithms: Issues for reducing pre-focal heating and treatment time, Ultrasonics, Published: October 2015. DOI:10.1016/j.ultras.2015.10.007

Sagias G., Yiallouras C., Ioannides K., Damianou C. An MRI-conditional motion phantom for the evaluation of high intensity focused ultrasound protocols, The International Journal Of Medical Robotics And Computer Assisted Surgery, Published: October 2015. DOI: 10.1002/rcs.1709

Epaminonda E., Drakos T., Kalogirou C., Theodoulou M., Yiallouras C., Damianou C. MRI guided focused ultrasound robotic system for the treatment of gynaecological tumors, Journal of Medical Robotics and Computer Assisted Surgary, Published: March 2015. DOI: 10.1002/rcs.1653

Yiallouras C., Ioannides K., Dadakova T, Pavlina M., Bock M., Damianou C. Three axis MR conditional robot for high intensity focused ultrasound for treating prostate diseases, Journal of Therapeutic Ultrasound, Published: January 2015. DOI: 10.1186/s40349-014-0023-2

Yiallouras C., Damianou C. Review of the MRI positioning devices for guiding Focused ultrasound systems, The International Journal Of Medical Robotics And Computer Assisted Surgery, Published: June 2014. DOI: 10.1002/rcs.1601

Yiallouras C., Mylonas N., Damianou C. MR compatible positioning device for guiding a Focused ultrasound system for transrectal treatment of prostate cancer, Journal of Computer-Assisted Radiology and Surgery, Published: December 2013. DOI 10.1007/s11548-013-0964-x

CONFERENCE PAPERS

C. Yiallouras, C. Damianou, Improved MRI-safe robot for focused ultrasound prostate thermal ablation Hong Kong International Conference on Engineering and Applied Science, December 29-30 2014, Hong Kong.

Yiannakou M., Yiallouras C., Mylonas N.,Damianou C., MR-guided focused ultrasound robot for animal experiments', ISTU 14, Las Vegas, USA, April 2-5, 2014.

Yiallouras C., Mylonas N., Damianou C., MRI compatible positioning device for focused ultrasound prostate cancer treatment, ISTU 14, Las Vegas, USA, April 2-5, 2014.

Yiallouras C., Mylonas N., Damianou C., MRI compatible positioning device for high intensity focused ultrasound (HIFU) prostate cancer treatment. The 15th international conference on Biomedical engineering, ICBME 2013, Dec 4-7, 2013, Singapore.

Yiallouras C., Mylonas N., Damianou C., MRI compatible positioning device for focused ultrasound prostate cancer treatment European Focused ultrasound surgery, Rome, October 10-11, 2013.

Yiallouras C, Ioakim M, Alexandrou A, Hadjisavvas V, Mylonas N, Damianou C., A software platform controlling an MRI guided focused ultrasound system, IEEE 12th International Conference on BioInformatics and BioEngineering November 11-13, 2012 Larnaca, Cyprus

CONFERENCE POSTERS

G. Menikou, M. Yiannakou, C. Yiallouras, C. Ioannides, C. Damianou, MRI-compatible bone phantom for evaluating ultrasonic thermal exposures, ISTU 2016, Israel, 14-17 March, 2016

M. Yiannakou, G. Menikou, C. Yiallouras, K. Ioannides, C. Damianou, MRI guided focused ultrasound robotic system for animal experiments, ISTU 2016, Israel, 14-17 March, 2016