



ERASMUS+
INTERNATIONAL
CREDIT
MOBILITY
CUBA
MARCH 2020

The **Universidad Technologica De La Habana Jose Antonio Echeverria (CUJAE)** is a new collaboration for the University of West Attica (UNIWA) under the framework of the ERASMUS+/ICM program. The first Inter-Institutional Agreement was signed in October 2019 to encourage communication and increase common success into the research community, with the best prospect for a long - term successful collaboration. In March 2020, Professor George Panagiaris, Head of the Conservation of Antiquities and Works of Art department (UNIWA), visited CUJAE. His teaching mobility included among other activities, teaching activities, preparation of the next steps for the submission of common EU programs, time plans of future teaching and training activities and possibilities of cooperation in education and research for both HEIs.



More specifically, Prof. Panagiaris' lectures were given to the students of the Architecture faculty, focused in the theme of "*Cultural Heritage Management and Regional Development*". It was related with personal project presentations and relevant case studies from Greece, followed by discussions between students and Professors, who attended the lectures. Both Universities have a particular interest in developing academic collaboration in doctoral studies and publishing scientific works, while extension of the common collaboration between the two Universities into topics, such as architectural restoration and sustainable heritage was also agreed.



Erasmus+/ICM

DOMINICAN REPUBLIC

INSTITUTO
TECNOLÓGICO DE
SANTO DOMINGO
"INTEC"



In September 2019, a delegation from the University of West Attica (UNIWA) consisting of professors and administrative staff, visited the Instituto Tecnológico de Santo Domingo (INTEC) in Santo Domingo, the capital of the Dominican Republic, a small country in the Caribbean Sea. The visit was under the framework of the Erasmus+/ICM collaboration between the two universities and especially the Mechanical Engineering Departments, which started on 2018 with the ambition of a long term partnership and fruitful common, high - quality education and research projects. More specifically, the main purposes of this mobility include teaching and training sessions in Mechanical Engineering Dept., as well as administration training and job shadowing of the INTEC's International Office staff.

INTEC IN BRIEF

Today, INTEC is a thriving community of 5.200 students and about 25.000 graduates who believe in the transformative power of knowledge. It has four management bodies, General Assembly, Board, of Regents, Rectorry and an Academic Council. As a part of dozens of national and international associations, networks, centers and university federations, its aim is to raise the quality of their programs and to stay connected with other allied entities. Since 1972, it is defined by innovation and complementarity of its Academic offer in the areas of Engineering, Business, Health Sciences, Environmental, Social sciences and Humanities.



Meetings with Professors, administrative staff and students were included to the mobility agenda. Campus tours, collaborations with colleagues from the same and different subject fields and teaching - training sessions to INTEC's students, gave us the opportunity to meet people from a different culture and educational approaches.

In the beginning of our visit to INTEC, a very warm welcome was arranged by INTEC's International Office and a meeting with the Rector and the Vice Rector of INTEC, where discussions about future collaborative activities and good practices took place.

They emphasized the willingness of INTEC to develop collaborations with European universities in education and research programs, adding also that these collaborations are necessary for the university to maintain its high position on the Dominican academic map and its global presence.

On the other hand, we were very pleased to know that INTEC is a university that constantly transforms and grows (new facilities under construction were visible),

with high internationalization portfolio due to the hard work of their Erasmus office and the support by the authorities of the University.

The laboratories of Mechanical and Electronics Engineering departments of INTEC were fully equipped by a vast series of new educational as well as laboratory apparatuses, which gives a great opportunity for under - and post - graduate students to learn, practice and gain experience on several fields of interest.

We had the opportunity to meet professors with common research interests who admire Greek civilization, willing to collaborate in areas of our expertise and vice versa.

Meetings with student candidates occurred to discuss with their future Professors and get to know each other, while two of their nominees are ready to spend a part of their under - graduate studies in the University of West Attica during the next semester.



UNIWA'S MOBILITY ACTIVITIES

TEACHING SESSIONS

Associate Professor Konstantinos - Stefanos Nikas

Advanced & Computational Fluid Dynamics & Heat Transfer

Assistant Professor Karmen Medrea

Engineering Failure Analysis (Procedure & Investigation techniques)

Assistant Professor Kosmas Kavadias

Solar energy thermal systems & photovoltaic technology.

TRAINING SESSIONS

Mr Ioannis Sigalas (Laboratory Teaching staff, MSc)

Integration of laboratory equipment into the curriculum and efficient usage of it in Mechanical Engineering Department.

Ms Fani Papoutsi (Erasmus+/ICM Staff Mobility Specialist, MSc)

INTEC's International Office administration staff training & Job Shadowing.



As a conclusion, INTEC is a high standard university similar to an above the average European university. UNIWA and more precisely the Mechanical Engineering Department which established the collaboration between the two universities, is determined to move forward the collaboration, by updating the Erasmus+/ICM mobility program via the next proposal in February 2020 and accepting two under-graduate students for the next winter semester 2019-20. Moreover, there will be an attempt to create multi-disciplinary synergies in Mechanical and Electronics Engineering and apply for grants in EU and other organizations.

ERASMUS+/ICM EGYPT



UNIVERSITY OF ALEXANDRIA



The Department of **Conservation of Antiquities and Works of Art (CAWA)** in the **University of West Attica (UNIWA)** promotes research, academic and communicative knowledge in the field of museum studies. The collaboration between **UNIWA** and the **School of Fines Arts of the University of Alexandria (AlexU)** has started since 2016.

In addition to the exchange of academic staff and students, a major goal of the mobility program was the development of curricula for the establishment of an undergraduate course on the conservation at the School of Fine Arts in AlexU. Two PhD and two Master students had the opportunity to receive training courses at the UNIWA, one of which completed a major part of his dissertation under the supervision of UNIWA's professors. Moreover in 2019, a plan for the development of a protocol for the survey and inventory of the Art Collection of the School of Fine Arts, with emphasis on the evaluation of the condition and the recommendation of conservation measures, has been put forward.



The plan includes the development of methodology with the collaboration of academic staff from both universities, as well as its implementation through the training and placements of students. This relatively new collaboration is expected to expand further in the field of fine arts with the organization of common exhibitions, as well as to other fields such the historic archives and libraries.



The local coordinator of the mobility program, Prof. Safaa Abdel Salam, has visited UNIWA a number of times since 2016, and has developed strong affiliation with UNIWA and a friendship with members of the academic staff. She has organized workshops on the manufacturing technology of frescos and mosaics, which attracted the interest of several students and a series of lectures. She has also hosted our team in Alexandria and has organized meetings with the Dean and the staff of the Faculty, the director and the staff of the conservation Laboratories of Bibliotheca Alexandrina and the Director of the Library of the University.

The UNIWA delegation also met with the Head of the Hellenic Foundation for Culture (Stavroula Spanoudi) and discussed ideas for developing common cultural activities in this area. Despite the fact that this collaboration is still quite young, there are all the prerequisites for developing a dynamic program, which will be based on our mutual cultural background and our long standing cultural bonds with the Egyptian cultures that date back to at least the second millennium BC.





ΠΑΝΕΠΙΣΤΗΜΙΟ
ΔΥΤΙΚΗΣ ΑΤΤΙΚΗΣ
UNIVERSITY OF WEST ATTICA

ERASMUS+/ICM

NOVEMBER 2019

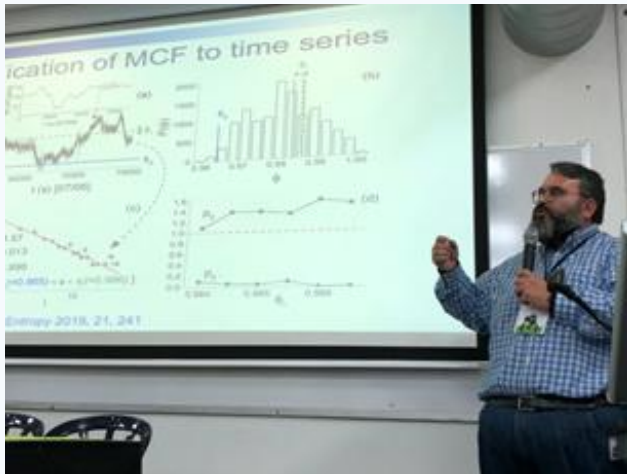
SAMI SHAMOON COLLEGE OF ENGINEERING (SCE) - ISRAEL

Sami Shmoon College of Engineering (SCE) in Israel is a new collaboration for the University of West Attica (UNIWA). The first Inter-institutional Agreement signed in 2018. The perfect partnership and the common research interest have helped to build trust and an excellent opportunity arose for partnering to expand our collaboration until 2027. A number of mobilities between SCE and UNIWA have been made, either from students and staff (academic and administrative) members under the framework of the Erasmus+ / International Credit Mobility program and we hope for a successful future, much more incoming and outgoing students, research enrichment and educational skills development.



Professor S. Potirakis, from the Department of Electrical and Electronics Engineering of UNIWA visited the SCE within the context of the Erasmus+ ICM programme between November 4 and November 7 of 2019. He attended a workshop on recent developments on the multi-scale dynamic rock failure monitoring in laboratory experiments, field observations and experiments in tunnels, and field observation of pre-earthquake phenomena

organized by the Civil Engineering Department of the SCE in Ashdod. In this workshop, Prof. S. Potirakis had the opportunity to be informed of the new developments on multi-scale dynamic rock failure monitoring by attending lectures by leading scientists in the specific field, while he also gave a lecture focused on the time series analysis of fracture precursor signals.



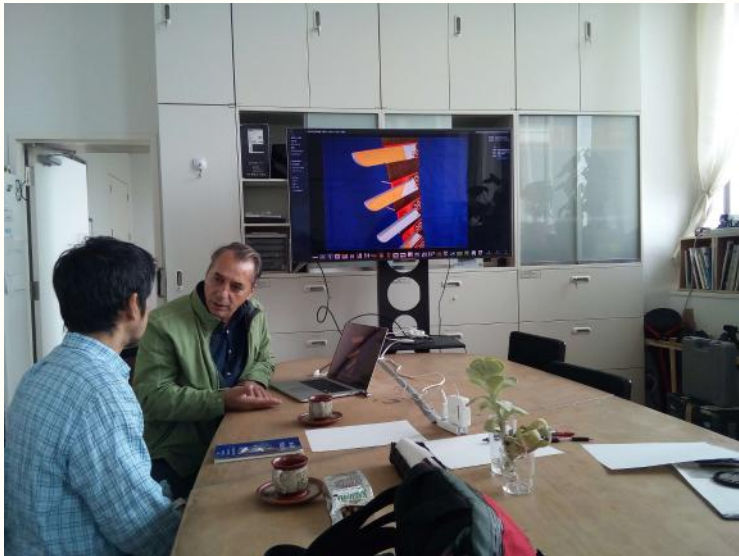
All the participants of the workshop had the opportunity to get acquainted with laboratory infrastructure and materials for fracture experiments held in the SCE, while Prof. S. Potirakis had the opportunity to discuss different possible ways of research collaboration with the SCE staff and the rest of the participants. The initiation of future collaborations is going to be further investigated.

During his visit to SCE, Prof. S. Potirakis was also invited to attend social activities that gave him the opportunity to visit Jerusalem and to have further discussions with SCE staff and the rest of the scientists participating to the workshop during a business lunch and dinner.

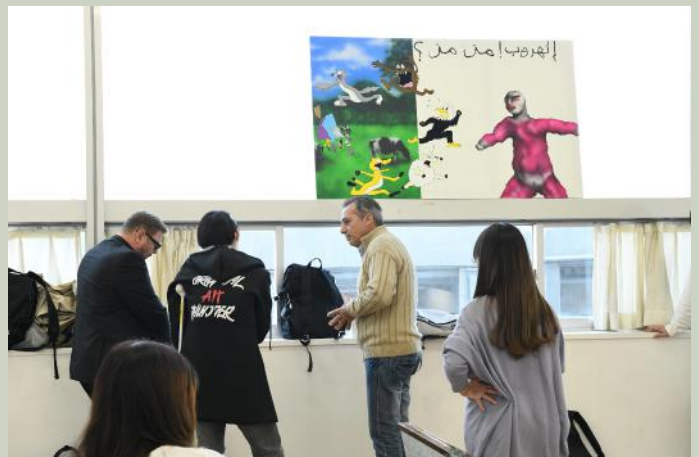
ERASMUS+/ INTERNATIONAL CREDIT MOBILITY JAPAN



Tokyo University of the Arts (GEIDAI) in Japan, is a non - profit public Higher Educational Institution located in the metropolis of Tokyo. It offers courses and programs leading to officially recognized higher education degrees. Its overarching goal is to play a pivotal role in the development of art and culture in Japan, while respecting the spirit of freedom and creativity that has existed since the university was founded. The long-term strong bonds and common research interest between the University of West Attica (UNIWA) and GEDAI University gave the rise to a five year collaboration expansion for the years 2021 - 2025, by introducing the exchange of under- and post-graduate students between the two Universities. In November 2019, Professor Charalampos Pressas, Dean of the Faculty of Applied Arts and Culture, visited GEIDAI University under the Erasmus+ International Credit Mobility Program. His teaching mobility included meetings with colleagues, campus tours and lecture preparations during the first days of arrival; lectures, presentations and cultural activities, technical, theoretical and aesthetic observations during the next days.



Prof. C. Pressas is specialized in Sculpture, Constructions, Painting and Fine Art Photography. During his mobility to GEDAI University, he had the opportunity to present his personal work analyzing different and modern techniques using another aesthetic approach. In an eight hour schedule, the presentation of his personal project "Red Night" was the most significant point, which was discussed among the GEIDAI's students who in their turn, presented their own works, including collage, photo painting, fragmented multi-picturing, scenography and space time. Long meetings with Professors took place to explore the possibilities of undertaking common projects and common activities to the field of Fine Arts, so as to continue the perfect team effort the two Universities maintain for over a decade. It is worth noting, that two colleagues have already visited UNIWA last May under the framework of Erasmus+/ICM program and two PhD students, one from each University have already been chosen to spend their next semester to either UNIWA and GEDAI University.





ERASMUS+/ICM

JORDAN

YARMOUK UNIVERSITY - IRBID



The Department of Conservation of Antiquities and Works of the **University of West Attica (UNIWA)** has established collaboration with the department of Conservation and Management of Cultural Recourses of **Yarmouk University (YU)** since 2016.

Based on mutual interests of the two Departments in the field of Cultural Heritage preservation, the common modules in the curricula of their academic program and the long involvement of **Prof. Stefania Chlouveraki** in a number of archaeological programs in the country, the perfect continuous collaboration between the two Universities is well benefited.

Through the Erasmus+/ICM program, UNIWA was able to sustain and take further this affiliation by creating field and research opportunities for students and academics from both Universities, thus making a significant contribution both to education, conservation and protection of the monuments under study.

A field survey and preventive conservation program was undertaken from 2016-2018 at the World Heritage Site of Um Al Rasas, targeting the protection of the Early Christian Mosaics of the Site, where looting incidents have been declared over the last decade. The program provided training opportunities to students from both Universities, as well as to the personnel of the site.

The program included awareness activities addressing the core values of the site, aiming to educate the local community, to raise their appreciation for the site and involve them in the safeguarding of this important cultural asset.

Awareness activities included workshops and guided tours on site with the participation of the local and central authorities of the Directorate of Antiquities of Jordan (Amman and Madaba), professors and students from the YU, the personnel of the site and the local community, as well as representatives of the Greek Orthodox Church of Madaba. The high participation of the local community underlined the success of the program. Moreover, in 2019, the workshop offered the ground for a fruitful dialogue between the Bishop of Madaba, Archimandrite Aristovoulos, and the representatives of the Universities and the Department of Antiquities of Jordan (DoA), on the spiritual and religious values of the Early Christian Monuments of Um Al Rasas and the potential of the promotion of the site for religious/pilgrim tourism.

Five Jordanian Master students have attended courses at UNIWA so far, one of which has now submitted a proposal for a PhD Thesis, with shared supervision between the UNIWA and the UY. Four Greek students have received grants for training and internship and have accomplished their undergraduate dissertations in Jordan. Professors from both institutions have delivered lectures and demonstrations and have determined the areas of common research interests.

In 2017, a short video was presented at the 13th ICCM Conference in Barcelona by G. Agavanakis and Ch. Xourgias, students of UNIWA, who undertook their dissertation in YU, Their video won a honorary mention and has been uploaded at the ICCM YouTube channel <https://www.youtube.com/watch?v=-jqUGIsgDbk>.



As an outcome of this collaboration, a conservation/training field program was organized in 2020 at the World Heritage Site of Um Al Rasas, by the Architectural Conservation Laboratory of UNIWA, the DoA and the European Center for Byzantine and Post-Byzantine Monuments (EKBMM).

The program was funded by EKBMM and offered job opportunities to UNIWA graduates who had participated to the Erasmus+ program.



ERASMUS+/ICM JORDAN FEBRUARY 2020

Yarmouk University, also abbreviated YU is a public university, comprehensive and state supported, located near the city center of Irbid in northern Jordan. Since 1976, YU has been at the forefront of Jordanian and Middle East Universities. It adapts a global vision in terms of humanitarian principles and standards, seeks positive interaction with all cultures, and opens the doors of cooperation with all outstanding international universities and research centers. For the last four years, the University of West Attica (UNIWA) and YU maintain an effective collaboration with multiple student and staff exchanges under the framework of the Erasmus+/ICM program. The team effort and the common interest of the two Universities especially in the field of Conservation of Antiquities, has an insight to partners aims and values. In February 2020, two UNIWA's colleagues, Mrs. Eleni Tziamourani and Professor Androniki Kavoura, visited YU for training mobility under the framework of the Erasmus+ / International Credit Mobility (ICM) program.



Mrs. El. Tziamourani, member of the laboratory teaching staff in the department of Conservation of Antiquities and Works of Art, and Prof. An. Kavoura from department of Business Administration had the opportunity to visit YU and have meetings with colleagues from the International Relations and Projects Office, so as with Professors from departments with common scientific interests. This visit gave rise to further discussion in the field of cultural heritage, as well as ideas for conservation and prevention of museum objects after physico-chemical analysis and studies.



Mrs. El. Tziamourani underlined:

"There was a transfer of knowledge, understanding of the cultural context of each other and the impact it has in the approaches and strategies in the field of cultural heritage. Moreover, working towards the development of common programmes, where students and academics of both departments can collaborate in demonstrating their practices in the area of cultural heritage preservation is in development for new collaborations",



Prof. An. Kavoura mentioned to her report:

"I had the chance to attend meetings with fellow professors and International Relations Office staff, such as Dr Mwaffaq Otoom, Ms Aryaf Qassem Al-Rousan and Dr Ahmad Barakat Al-Shannaq, with whom we exchanged information about possible collaborations and opportunities including joint conferences. Professor Sek had also brought his PhD student, with whom we talked about her research subject and I gave her my own guidance with her professor's permission on methodology issues, since we work by employing similar methodologies."

Their mobility included also visits to the YU campus, as well as trips to the city of Mosaics and Saint George Greek Orthodox Church in Madaba and Ancient Jerash (Roman archaeological site) for analyzing important historical and ancient cultural information.



ERASMUS+/ICM

KENYA

January '20

Kenyatta University (KU) in Nairobi, Kenya, is one of the University of West Attica (UNIWA) latest Erasmus+ / ICM collaborations. The Inter-Institutional Agreement has been signed in October 2019 and it will last until 2027.

In January 2020, the member of Laboratory Teaching staff from the Department of Photography and Audio Visual Arts of UNIWA, **Mrs Maria Polychroniadi** visited KU for training mobility under the Erasmus+ / International Credit Mobility Program. During the mobility, she has visited the department of Hospitality and Tourism Management, while she took part at Collaborations and Linkages Workshop programme, where students and professors welcomed her in the best possible way.

The Department of Fine Arts and Design, School of Creative and Performing Arts, Film and Media Studies labs, Film and Theater Studies Department, Department of Music and Dance & Fashion and Design were some of her scheduled visits.

Presentations of UNIWA and the Erasmus+ / ICM program, discussions about Photography and Audio Visual Arts and

student mobilities procedure took place, so as information were given about the program's capabilities. Apart from meetings with Professors of similar fields, Mrs M. Polychroniadi had a meeting with the Head of the Department and exchanged views on teaching art.

"They guided me through the labs as well as to the open space of the school where students had exhibited many of their projects such as statues, paintings and graffiti. Their hospitality was quite friendly so as to host me for a dinner to the private residence of Professor Lea to taste some local cuisine. I visited the department of Communication and Media to visit the workshops where students create reportage, event work studios. I had an interesting conversation with the responsible professor of how they give feedback to the students. They walked me around to the open space of the university with enthusiasm and desire to show me all schools and departments, as well as the university's library. The visit to Kenyatta University ended with a long walk in the courtyard of the university and in the beautiful grove.", Mrs M. Polychroniadi mentioned.





Erasmus+/ICM

ΚΙΡΓΙΖΙΑ - ΟΚΤΩΒΡΙΟΣ '19

Η Δημοκρατία της Κιργιζίας (γνωστή και ως Κιργιστάν) είναι κράτος της κεντρικής Ασίας. Περικλείεται από την Κίνα, το Καζακστάν, το Τατζικιστάν και το Ουζμπεκιστάν. Χώρα της πρώην Σοβιετικής Ένωσης με πρωτεύουσα το Μπισκέκ, με ποικιλία πολιτισμών και αυτοκρατοριών, έχει βρεθεί στα σταυροδρόμια των πολιτισμών ως μέρος του "Δρόμου του Μεταξιού", καθώς ανεξαρτητοποιήθηκε το 1991 με τη διάλυση της Σοβιετικής Ένωσης.

Με το **Kyrgyz - Uzbek University (KUU)** υπήρξε μια αρκετά παλαιά συνεργασία, η έναρξη της οποίας απαντάται στις διασυνδέσεις του Ομότιμου Καθηγητή του τμήματος Μηχανολόγων Μηχανικών και Πέτρου Αξαόπουλου πολύ πριν την ένωση των ΑΕΙ Πειραιά Τ.Τ. και ΤΕΙ Αθήνας και τη δημιουργία του Πανεπιστημίου Δυτικής Αττικής (Πα.Δ.Α.). Αυτή η συνεργασία συνεχίζεται μέχρι και σήμερα, μετά από μια μακροχρόνια πορεία και εξαιρετικά αποτελέσματα που προκύπτουν από την επιμονή και υπομονή του και Π. Αξαόπουλου, ο οποίος συνετέλεσε στη δημιουργία και ενίσχυση των εργαστηρίων του ΚUU αλλά και των ανταλλαγών σε Ακαδημαϊκό προσωπικό και σπουδαστές όλα αυτά τα χρόνια. Τον Νοέμβριο του 2019, ο κος Π. Αξαόπουλος επισκέφθηκε το ΚUU, στο πλαίσιο της Διεθνούς Κινητικότητας του προγράμματος

Erasmus+. Καθ' όλη την εβδομάδα της μετακίνησής του πραγματοποιήθηκαν διαλέξεις σε προπτυχιακούς και μεταπτυχιακούς φοιτητές με θέματα που αφορούσαν τις ανανεώσιμες πηγές ενέργειας.

Μερικές από τις διαλέξεις που παρουσιάστηκαν:

- *Remote photovoltaic laboratory using internet*
- *Real experiments using the remote Lab*
- *Solar assisted heat pump for domestic hot water*
- *Simulation techniques for renewable energy systems*
- *Biogas production.*

Εξαιρετικό ενδιαφέρον υπήρξε για την παρουσίαση του **Remote Lab**, το οποίο βρίσκεται στην οροφή του εργαστηρίου ΑΠΕ της Πανεπιστημιούπολης του Άλσους Αιγάλεω του Πα.Δ.Α. και μπορεί να χρησιμοποιηθεί σε πραγματικό χρόνο από απομακρυσμένα εργαστήρια και ερευνητικούς φορείς για τη διεξαγωγή εργαστηριακών ασκήσεων σε φωτοβολταϊκά πάνελ, συλλέγοντας παράλληλα και μετεωρολογικά δεδομένα προς αξιοποίηση. Ακολούθησαν επικοινωνητικές συζητήσεις και ανταλλαγή ιδεών με συναδέλφους του τμήματος Μηχανικών, για την καρποφόρα συνεργασία και σχέδια για την συνέχισή της.



Οι συζητήσεις επεκτάθηκαν περι προσομοιώσεων της προς μελέτη ενεργειακής αποδοτικότητας ηλιακών θερμικών συστημάτων για παραγωγή ζεστού νερού στην πόλη τους. Επιπλέον αναλύθηκε η δυνατότητα κοινών ερευνητικών έργων για τη διαπίστωση της ενεργειακής αποδοτικότητας παρόμοιων συστημάτων, κυρίως με γεωργικά παραπροϊόντα, δεδομένου ότι στην περιοχή όπου βρίσκεται το ΚΥΥ υπάρχει έντονη γεωργική δραστηριότητα.

" Στο άκουσμα μιας επίσκεψης συνεργάτη απο το εξωτερικό, η υποδοχή και το καλωσόρισμα είναι εντυπωσιακά" αναφέρει ο κος Π. Αξαόπουλος. "Ολόκληρη η κοινότητα του Πανεπιστημίου με καλωσόρισε με τιμές. Στις συναντήσεις που πραγματοποιήθηκαν με τους εκπαιδευτικούς του τμήματος Μηχανικών, αναλύθηκαν οι δυνατότητες του προγράμματος Erasmus+ σχετικά με την ανταλλαγή φοιτητών αλλά και τα ερευνητικά πεδία, στα οποία μπορεί να υπάρξει μία επιστημονική συνεργασία. Ως αποτέλεσμα των συναντήσεων αποφασίστηκε η επιστημονική συνεργασία για τις τεχνολογίες ηλιακής ενέργειας. Με την άφιξή μου στην Ελλάδα, έστειλα τρία εκπαιδευτικά βιβλία μου στην αγγλική, με αντίστοιχα θέματα για τα οποία έδειξαν έντονο ενδιαφέρον να μεταφράσουν στη γλώσσα τους για να χρησιμοποιούνται απο τους φοιτητές."



ERASMUS+/ INTERNATIONAL CREDIT MOBILITY

MOROCCO



Professor Apostolos Papapostolou, President of the Graphic Design and Visual Communication Department of UNIWA, visited ESITH in November 2019 under the framework of the Erasmus+/ International Credit Mobility Program.

During his mobility meetings with the Rector, the Academic community and colleagues from the International Office occurred with the desire to compare and exchange educational practices, as well as to expand the academic horizons by interacting and cooperating to develop and share new ideas.

Conversations took place about sharing innovative educational strategies, in the field of Infographics in Marketing, with the aim of a long-term collaboration and multiple student exchanges in the future.

Ecole Supérieure des Industries du Textile et de l'Habillement (ESITH) is a Moroccan Engineering School, established in 1996, focuses on textiles and clothing. It was created in collaboration with ENSAIT and ENSISA, as a result of a public partnership designed to grow a key sector in the Moroccan economy.

Since 2003, ESITH has established multidisciplinary courses to meet the skills needs of industrial sectors and services; therefore developing new courses and launching an ambitious research and developing program, involving all the stakeholders: government, enterprises, international donors and business associations.

UNIWA cooperate with ESITH since 2017, counting more than five undergraduate and PhD student exchanges and more than twelve staff mobilities during those three years.

From this excellent collaboration, a bright future for continuous team work and share interest, in common research methodologies and study models arouses.



ΝΟΤΙΟΣ ΑΦΡΙΚΗ ΠΑΝΕΠΙΣΤΗΜΙΟ WITWATERSRAND (WITS)

Στο ξεκίνημα της 1ης μέρας έγινε συνάντηση στο International Office με υπεύθυνο του International Office και τον Prof. Elias Sideras - Haddad. Στη συνέχεια πραγματοποιήθηκε συνάντηση με καθηγητές του Φυσικού τμήματος του WITS, Prof. Ηλίας Σιδεράς Haddad και Daniel Wamwangi. Σε συνέχεια των πειραμάτων που ξεκίνησε ο Dr. Francis Otieno (2 κοινές δημοσιεύσεις*) στο ΠΑ.Δ.Α. υπό την επίβλεψη του Καθηγητή Δρ. Θ. Γκανέτσου αποφασίστηκε η συνέχεια της συνεργασίας σε μελέτη υλικών για solar cells applications. Συγκεκριμένα εμφυτευμένα δείγματα σε νανοδομές ZnO θα

αναλυθούν με συγκεκριμένες τεχνικές στο εργαστήριο του Θ.Γκανέτσου. Φοιτητής PhD student από το WITS με τη καθοδήγηση του κ. Γκανέτσου θα πραγματοποιήσει τις μετρήσεις στο ΠΑ.Δ.Α.

Ακολούθησε συνάντηση με υποψήφιους διδάκτορες του Φυσικού τμήματος.

Την επόμενη μέρα έγινε συνάντηση στο Origin Center Museum (WITS) με τον καθηγητή - Αρχαιολόγο, Prof. Karim Sadr παρουσία εκ μέρους του Μουσείου της Dr. Tammy Reynolds (curator).

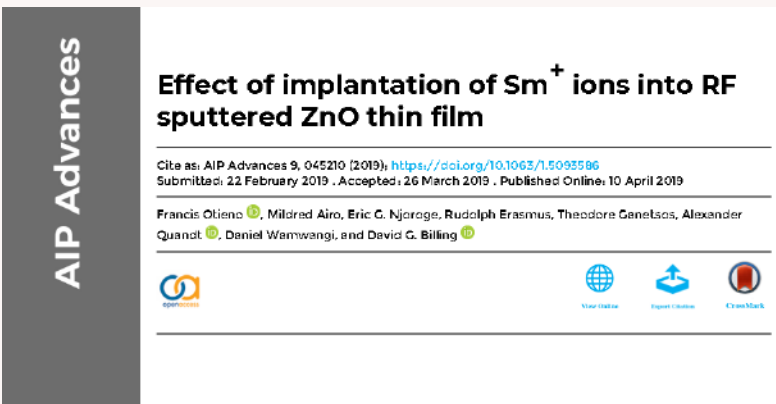


Αποφασίστηκε μετά από συνεχή meetings να βγει η ακόλουθη ανακοίνωση στο WITS.

“First Circular

We are in the planning stage of organizing a three day hands-on practical workshop on the application of XRF and Raman spectroscopy for identification of elements in ochre and other pigments from archaeological excavations. This workshop will be a collaboration between Wits Archaeology (who will host the workshop) and Professor Theodore Ganetsos and his PhD student from the Department of Industrial Design and Production Engineering, Faculty of Engineering - University of West Attica (Greece). The idea is that the visiting experts will bring samples of ochre and other minerals as well as the hardware for the XRF and Raman analysis, present introductory lectures on the techniques

in the mornings of the workshop period and in the afternoons the participants will receive hands on training on the equipment and will learn how to interpret the results. For now, the proposed date for such a three-day workshop is in November 2020. There will be no registration fee for the participants, but their cost of transport and accommodation to Johannesburg needs to be borne by the participants themselves. Lunches as well as morning and afternoon refreshments will be provided. The number of participants is limited to twenty. If such a workshop is of interest to you, we would like to hear back from you within the next few days. If you want to specify which days in November would be most suitable for you that would be excellent. We will gladly reserve a space for you in the workshop, and in due time we will be able to state a specific date for the event.”



AIP Advances

Effect of implantation of Sm⁺ ions into RF sputtered ZnO thin film

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Francis Otieno, Mildred Airo, Eric C. Njoroge, Rudolph Erasmus, Theodore Ganetsos, Alexander Quandt, Daniel Wamwangi, and David G. Billing

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Κατά τη διάρκεια της επίσκεψης έγιναν 10 ώρες σεμιναριακής διδασκαλίας σε μαθήματα με τίτλους:

“NDT in Archaeometry”

“Semiconductor materials and characterisation”

“Nanowires for solar cells”

“Pigments identification in paintings”

Identification using NDT”

Scientific papers

Effect of implantation of Sm⁺ ions into RF sputtered ZnO thin film

F Otieno, M Airo, EG Njoroge, R Erasmus, T Ganetsos, A Quandt, AIP Advances 2019,9 (4), 045210

Role of oxygen concentrations on structural and optical properties of RF magnetron sputtered ZnO thin films

F. Otieno, M Airo, T Ganetsos, RM Erasmus, DG Billing, A Quandt, 2018, Optical and Quantum Electronics 51 (11), 359

Μετά απο πρόταση του καθηγητή Θ. Γκανέτσου, θετική εισήγηση του Προέδρου του τμήματος κου Γ. Πρινιωτάκη, θετική εισήγηση απο τον "ΕΚΕΦΕ ΔΗΜΟΚΡΙΤΟ" και συνοδευτική επιστολή του Πρύτανη κ. Παν. Καλδή, ο καθηγητής Elias Sideras Haddad προσκληθηκε μέσω συγκεκριμένου ερευνητικού project για τρεις μήνες στο ΠΑ. Δ.Α. - Σχολή Μηχανικών - Τμήμα Βιομηχανικής Σχεδίασης και Παραγωγής με χρηματοδότηση απο το Greek Diaspora



ERASMUS+ INTERNATIONAL CREDIT MOBILITY

SOUTH AFRICA FEBRUARY '20

South Africa has strong cultural and historical links to the European Union, it is the EU's largest trading partner in Africa and the EU is South Africa's biggest investor. Its trade relations and development co-operation with the EU are currently governed by the Trade, Development and Co-operation Agreement (TDCA), which has established a free trade area that covers 90% of bilateral trade between the EU and South Africa. The liberalisation schedules were completed by 2012.

Source: (<https://ec.europa.eu/>)

Education in South Africa is continuing to take strain as the government attempts to achieve equal opportunities for all. The system is divided into three strata, namely general education and training, further education and training, and higher education and training. Tertiary education and training is provided through a large number of private and state-managed institutions under the overall control of the ministry of higher education and training. Polytechnics train technicians in a wide variety of disciplines while universities award traditional bachelors, masters and doctorates degrees. A wide divide in quality standards between previously “white” and previously “independent homeland” institutions continues to pervade society.



The University of West Attica (UNIWA) has at the moment three valid Inter Institutional Agreements with South African Universities. Namely, with the University of Cape Town (UCT), University of the Witwatersrand - Johannesburg (WITS) and University of South Africa- Pretoria (UNISA).

Two different delegations from UNIWA traveled during January and February 2020 to South Africa, in order to visit the long-distanced partner Universities and meet our partners, many of them for the first time.



UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG

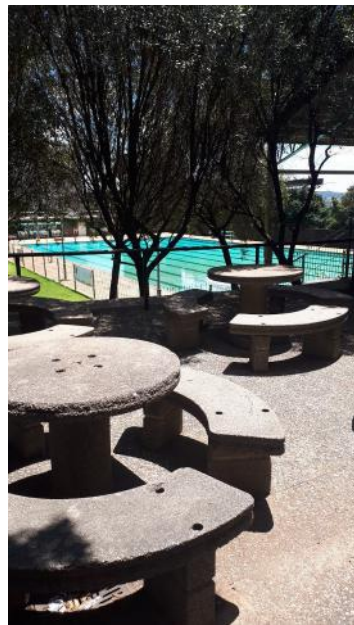


university
of south africa

ERASMUS+ INTERNATIONAL CREDIT MOBILITY

UNIVERSITY OF WITWATERSRAND WITS - JOHANNESBURG

University of Witwatersrand (WITS), is the first collaboration between the former Piraeus University of Applied Sciences and South Africa. It is a multi-campus South African public research university situated in the northern areas of central Johannesburg. It offers undergraduate and postgraduate degrees and diplomas, as well as a range of short courses and online offerings. It has five faculties encompassing the Sciences, Commerce, Law, Management, Engineering, Health Sciences and Humanities with thirty three (33) schools offering over 3000 courses. The common research interest remains the bond between Professor Theodor Ganetsos from Electrical and Electronics Engineering department of UNIWA and Professor Elias Sideras-Haddad from Physics department of WITS University, since 2015 with several successful research collaborations.



In February 2020, two delegations from UNIWA visited WITS. The first one consisted of the Erasmus+/ICM Institutional Coordinator, Associate Professor Konstantinos - Stefanos Nikas from Mechanical Engineering department, Mrs. Fani Papoutsis - Erasmus+/ ICM Staff Mobility Specialist and Mrs. Irene - Athina Vatou - Erasmus+/ ICM Student Mobility Specialist. The mobility included meetings with colleagues and students from the Physics department and the administration staff of the International Office in order to share information about the latest program results and exchange optimistic fair practices for mobilities. Moreover, the expansion of the staff mobilities to the whole range of departments of WITS was decided. Lectures took place on Computational Heat Transfer and Fluid Mechanics by K. Nikas, by introducing and explaining to the audience new practices in several research engineering problems. It was really important to gain such experience from the mobility process and to meet our colleagues again, Professor Elias Sideras Haddad, Professor Daniel Wamwanghi and past Erasmus PhD student, Dr. Francis Otieno.

The results of this mobility included the arrangement of two PhD student mobilities for the next academic year, who will work in common research material and topics as a continuation to Prof. T. Ganetsos lead.

UNIVERSITY OF SOUTH AFRICA (UNISA) - PRETORIA



University of South Africa (UNISA) is Africa's leading open distance learning institution. As a reputable, comprehensive, flexible and accessible open distance learning institution that is motivating a future generation, it offers internationally accredited qualifications and has world-class resources. Its vision towards the African University shaping futures in the service of humanity drives UNISA to find answers to Africa's educational and developmental problems.

Prof. Vicky Katsoni, from Tourism Management department of UNIWA, visited UNISA towards the end of January 2020 for academic and research purposes, presenting a public lecture entitled "Digital Storytelling in Tourism".

Discussions about the possibilities of strengthening ties by collaborating on the education and research practices between the two respective institutions, took place. Moreover, UNISA Erasmus+/ICM Institutional Representative Professor Cine Van Zyle was awarded by UNISA's 2020 Research & Innovation Award, including as one of her success stories, the Inter-Institutional Agreement with UniWA under the framework of Erasmus+/ICM program (see newsletter-photo). Finally, the terms of this exchange program will allow Prof. C. Van Zyle to present a keynote address at the 7th International Tourism Conference, which will take place from 2 to 4 September in Greece. The theme of the conference, co-hosted by the International Association of Cultural and Digital Tourism (IACuDiT), is "Culture and tourism in a smart, globalized and sustainable world".



ERASMUS+ INTERNATIONAL CREDIT MOBILITY UNIVERSITY OF CAPE TOWN (UCT)



University of Cape Town (UCT) is a new collaborator for UNIWA as the Agreement between the two Institutions signed in October 2019. UCT is South Africa's oldest University and one of the top teaching and research institutions in Africa, thriving in research contracts and innovation.

Radar technologies, and the use of digital signal processing and machine learning for application towards coastal, small - boat and drone activity monitoring, environment sensing and automotive safety, are some of the common interests under the new collaboration between the two Universities. A very warm welcome from UCT's Erasmus+/ICM Institutional Coordinator, Professor Simon Winberg, a bright scientist from Electrical and Electronics Engineering Department, including meetings with the academic community and the International Office was the main part of UNIWA's delegation two-day visit. Moreover, several presentations including information concerning the Erasmus+/ICM program and possible ways of research and educational cooperation were also placed in the agenda. Fruitful conversations and networking included common educational interest and team effort build upon one another's strengths in order to enhance this partnership. Meetings went as effective as possible with discussions about receiving PhD Erasmus students in UNIWA during the next academic year related to the Electrical and Electronics Engineering Department research fields.





ERASMUS+ /ICM TAIWAN WUFENG UNIVERSITY



WuFeng University (WFU), previously known as **WuFeng Institute of Technology (WFIT)**, is a private University of Technology in Minxiang Township, Chiayi Country, Taiwan, with more than 6000 students.

The collaboration between the University of West Attica (UniWA) and WFU began in 2018 under the framework of Erasmus+/ICM program and we are optimistic to expand it after the forthcoming results of our new proposal expected in August 2020. Eight (8) staff and students mobilities occurred between the two Universities and new projects, involving academic staff, are carefully planned to expand and release the boundaries of learning and knowledge.

2019 ICSSMET
International Conference on Safety & Security Management and Engineering Technology
安全管理與工程技術國際研討會
以安全為基礎、促進國際視野

09:10 - 10:40	引言：蔡宏榮 安全工程學院院長 主持：Charalampos Z. Patrikakis	口譯：許翠珠	
	主講：Professor Vijay Khore 題目：Changing Nature of Non-State Actors and Challenges Security and Management		
	引言：何漢彰 數位管理學院院長 主持：Chun-ho Chen M.D.	口譯：許翠珠	
	主講：Charalampos Z. Patrikakis 題目：Technologies for Citizen Safety and Protection	10:50 - 12:20	
13:20 - 14:50	引言：傅志遠 醫學健康學院院長 主持：Chun-ho Chen M.D.	口譯：許翠珠	
	主講：Chun-Ho Chen M.D. 題目：Active healthy ageing: Orthopedic diseases in the elderly		

吳鳳學校財團法人吳鳳科技大學 研究發展處
安全工程學院、數位管理學院、觀光經營學院、醫學健康學院



In November 2019, the Director of the Computer Networks & Services Research Laboratory of UniWA, Professor Charalampos Patrikakis, visited WFU. The visit was realized after WFU's special invitation to Prof. Patrikakis to participate as a keynote speaker in the International Conference on Security Technology organized by WFU with the subject: "*Technologies for citizen safety and protection*". Other purposes of this mobility included visits to laboratories, meetings with Professors, administrative staff and also a visit to an industrial site. By being the largest undergraduate degree program for Indian students in Taiwan, WFU has the experience working with inbound students from abroad. It is ready to expand to Eastern and Western Europe specifically Greece, and to attract young engineering talent, collaborate in academic collaboration such as teamwork, creative problem solving, senior capstone projects, and faculty and staff development. Therefore, during the visit, the current successful practices of WFU leading to students certification and links with Industry allowing the students to get practical experience through internships, were discussed, as well as collaboration between the two Universities in enhancing the graduates' competencies (i.e. transfer of the successful paradigm of WFU to UniWA, joint program design for dual degrees and cross country certifications, links to lifelong learning programs implemented in UniWA, etc.). Furthermore, the availability of a department, courses and specialized laboratories on technologies for citizen safety in WFU, and the successful participation of UniWA in citizen safety related research projects funded under H2020 (i.e. TRILLION, FASTER, STORM), gave the opportunity for discussions on close collaboration towards the exploitation of research results in supporting curricula and lab exercises, as well as the collaboration future joint research proposals and student assignments. As a general conclusion, it must be underlined that the experience of the short 2-year collaboration between WFU and UniWA gives us the ambition of a longer term partnership and fruitful common, high quality education and research projects.



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΔΥΤΙΚΗΣ ΑΤΤΙΚΗΣ
UNIVERSITY OF WEST ATTICA

Erasmus+/ICM ΤΑΪΛΑΝΔΗ ΦΕΒΡΟΥΑΡΙΟΣ 2020



Το **King Mongkut's University of Technology Thonburi (KMUTT)** βρίσκεται στην Μπανγκόκ της Ταϊλάνδης. Πρόκειται για συνεργασία που ξεκίνησε το 2016 με αρκετές μετακινήσεις προς και από το ΑΕΙ Πειραιά Τ.Τ. και συνεχίστηκε με το Πανεπιστήμιο Δυτικής Αττικής (ΠΑΔΑ), με εξαιρετικές συνεργασίες και κοινό ερευνητικό ενδιαφέρον στον τομέα κυρίως της τεχνολογίας και της καινοτομίας.

Η συνεργασία μας επεκτάθηκε μετά την πρόσφατη ανανέωση της συμφωνίας ανάμεσα στα δυο ΑΕΙ, με ισχύ επτά ετών (2020-2027) υπό την εποπτεία της Ευρωπαϊκής Έπιτροπής και την στήριξη του ΙΚΥ, ως Εθνικής Μονάδας Συντονισμού των προγραμμάτων ERASMUS+.

Το Φεβρουάριο του 2020 πραγματοποιήθηκε μετακίνηση για διδασκαλία στο πλαίσιο του προγράμματος Erasmus+/ Διεθνής Κινητικότητα, από την κα. Αναστασία Κανέλλου, καθηγήτρια στο τμήμα Επιστήμης και Τεχνολογίας Τροφίμων του ΠΑΔΑ, με αντικείμενο διδασκαλίας: "Ασιατική και Μεσογειακή πυραμίδα διατροφής".

Η αξιοποίηση του εκπαιδευτικού υλικού, έγινε με διαδραστικό σύστημα διδασκαλίας και ενεργό συμμετοχή όλων των φοιτητών, οι οποίοι αξιολόγησαν τις απαντήσεις του ερωτηματολογίου που κλήθηκαν να συμπληρώσουν σχετικά με τις διατροφικές τους συνήθειες.

Η μετακίνηση συμπεριελάμβανε συναντήσεις με συναδέλφους αντίστοιχων τμημάτων, ανταλλαγή απόψεων σχετικά με τη δομή και λειτουργία των δυο Πανεπιστημίων, καθώς και συζητήσεις για περαιτέρω συνεργασία κυρίως στον τομέα των τροφίμων.

Αξίζει να σημειωθεί, ότι κατά την μετακίνηση της κας Κανέλλου στην Ταϊλάνδη, πραγματοποιήθηκε επίσκεψη στην Ελληνική Πρεσβεία, όπου στη συνάντηση με τον Πρόσβη κο Ν. Καϋμενάκη επισημάνθηκε η ιδιαίτερη εκδήλωση ενδιαφέροντος της επιστημονικής κοινότητας αλλά και της χώρας, στην ασφάλεια και τη διασφάλιση της ποιότητας τροφίμων, καθώς ο ίδιος προσφέρθηκε να μεσολαβήσει στη διεύρυνση των επαφών προς όφελος του ΠΑΔΑ.



ERASMUS+/ICM

TUNISIA - FEBRUARY 2020

The **Higher Institute of Technological Studies Ksar Hellal (ISET-KH)** is one of the first partner HEIs of the University of West Attica (UNIWA) under the framework of Erasmus+ / International Credit Mobility program and the first one in Tunisia. The Inter-Institutional-Agreement was signed between ISET-KH and the former Piraeus University of Applied Sciences on 2016, as well as a new expansion between ISET-KH and UNIWA has recently been signed to extend the agreement until 2027.

In February 2020, UNIWA's colleagues Mrs Androula Panagi and Mrs Stavroula Anastasopoulou from the Department of Food Science and Technology visited ISET-KH under the framework of the Erasmus+/ICM program for training mobility. Their training sessions took place in the chemical laboratories including interactive teaching processes, testing and analysis capabilities through the use of test stations. Meetings with laboratory staff, the International office staff and its director Professor Medhi Chehata occurred under the best impressions.



The two UNIWA's colleagues underlined that:

"In ISET-KH, we found different ways of practicing in the laboratories, the way they work gave us new techniques and skills and the differences between our cultures allowed us to find new communication ways. The University's well maintained environment, the used good practices during their laboratory courses and the students high educational level, offer high standards in the academic process."

