



# Andreas Christofe

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About me: Education: Mr Andreas Christofe is currently a PhD candidate at the Department of Civil Engineer and Geomatics of Cyprus University of Technology (CUT). He graduated from the Aristotle University of Thessaloniki with a BSc/MSc degree in Civil and Structural Engineering. Professional background: After graduating, he was employed by Athinodorou Super Beton Ltd (1997-2008) as a chief civil engineer in the field of design, production and quality control of ready-mix concrete. During his employment, he focused on importing and introducing innovative technologies for ready-mix concrete to improve the use of raw materials and enhance production capabilities. He is a licensed engineering contractor from The Council for the Registration and Control of Contractors in Cyprus since 2008 and he worked as a general manager in R & A Constructions (2008-2013) Ltd dealing with large infrastructure projects. Research: Since 2013, Andreas has joined CUT and he participated in many research projects. Some of them are the Anagennisis project funded by the EU's FP7 programme in the field of Innovative Reuse of All Tyre Components in Concrete and the STEELCOR project funded by EC structural funds, which dealt with the corrosion in concrete steel reinforcement. He currently participates in the PVrosion Integrated Project funded by the Research Promotion Foundation in the field of accelerated corrosion blind spots Inherent to photovoltaic Systems, ARinfuse (Infusing Skills IN Augmented Reality For Geographical Information Management in the Utility Sector) Erasmus+ programme and Cyclops (Cyprus Continuously Operating Natural Hazard Monitoring and Prevention System).

## ● WORK EXPERIENCE

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02/01/2019 – CURRENT – limassol, Cyprus

### **ENGINEER RESEARCHER – Cyprus University of Technology**

**PVrosion:** DC Corrosion Blind Spots Inherent to Photovoltaic Systems' Operation and Undetected Faults - Trojan horse for Structures. ( IΠE, RESTART 2016-20 )

Limassol, Cyprus

01/12/2018 – CURRENT – Limassol, Cyprus

## **ENGINEERING SCHOLAR – Cyprus University of Technology**

ARinfuse project, ERASMUS+

Infusing Skills IN Augmented Reality For Geographical Information Management in the Utility Sector

project code :2018-1-CY01-KA202-046885 , 1/12/2018

Limassol, Cyprus

01/01/2016 – CURRENT

## **SPECIAL SCIENTIST – Cyprus University of Technology**

■ Lecturing at the Department of Civil Engineering and Geomatics (part of the 3<sup>rd</sup> & 4<sup>th</sup> year of the undergraduate course of Civil Engineering)

CIV 312 - Project Management and Economics

CIV 313 - Construction Management

CIV 443 - Hydraulic Works I

CIV 451 - Hydraulic Works II

■ Prepared notes, handouts and presentations for the module

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/01/2016 – CURRENT

## **TEACHING ASSISTANT – Cyprus University of Technology**

Assisting in lectures at the undergraduate and MSc courses at the Department of Civil Engineering and Geomatics (Remote Sensing, Materials etc.)

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/07/2017 – 31/01/2019

## **RESEARCH ASSOCIATE – Cyprus University of Technology**

■ Employed for the ATHENA Horizon 2020 Twinning project with subject: «ATHENA. Remote Sensing Science Center for Cultural Heritage» (<https://athena2020.eu/>)

■ Responsible for the management of the research project

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/04/2016 – 30/06/2017

## **RESEARCH ASSOCIATE – Cyprus University of Technology**

■ Employed for the research project Anagennis funded by the EU's FP7 program in the field of Innovative Reuse of All Tyre Components in Concrete ( <http://anagennis.org/wordpress/>)

■ Development of novel confined rubberised concrete materials and reinforcement

■ Development of high deformability RC elements suitable for integral bridge elements and base isolation systems for vibrations and seismic applications

■ Development of concrete mixes using recycled steel fibres for use in various applications such as slabs on grade, suspended slabs, precast concrete elements and pumpable self-compacting concrete or screed

■ Development of concrete mixes using recycled tyre polymer fibres for crack control

■ Development of novel concrete applications using combinations of the different tyre by-products

■ Undertaking demonstrations projects using the developed materials/applications

Development and implementation of standardised LCA/LCCA protocols

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/02/2013 – 28/02/2016

### **RESEARCH ASSOCIATE – Cyprus University of Technology**

- Employed for the research project STEELCOR project funded by EC structural funds, which dealt with the corrosion in concrete steel reinforcement. (<https://www.cut.ac.cy/steelcor/>)
- Evaluation of the mechanical properties of different types of steel reinforcement, introduced in Cyprus over the past.
- Performed accelerated corrosion tests on bare steel reinforcement and concrete cast steel reinforcement.
- Performed fatigue testing on corroded and non-corroded steel reinforcement.
- Studied the fractured surfaces of corroded samples.
- Undertook non-destructive testing of steel reinforcement.
- Performed static analysis on typical structures and buildings in Cyprus.
- Development, support, and upgrade of a flexible online intrapreneurial training program customized to the needs of the ICT industry

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/02/2015 – 30/06/2015

### **RESEARCH ASSOCIATE – Cyprus University of Technology**

- Employed for the research project MEDNET with subject: «Mediterranean Network for Custom Procedures and Simplification of Clearance in Ports» (<http://www.mednetproject.eu/>)
- Assessment of the current situation at ports and the improvement / simplification of their operation
- Development of WebGIS platform for the MEDNET Port Observatory.

[www.cut.ac.cy](http://www.cut.ac.cy) | Limassol, Cyprus

01/11/2012 – 31/05/2013

### **SECONDARY EDUCATION TEACHING PROFESSIONAL – Ministry of Education and Culture**

- Employed as a teacher at the Department of Secondary Technical and Vocational Education of the Ministry of Education and Culture.
- Teaching several courses in civil and structural engineering (Building Materials, Quantity Surveying, building projects contracting etc.)

<http://www.moec.gov.cy/mtee/en/> | Limassol, Cyprus

01/06/2008 – 30/06/2012

### **GENERAL MANAGER IN CONSTRUCTION – R & A Constructions Ltd**

- Licensed contractor from The Council for the Registration and Control of Contractors in Cyprus ( <http://www.contractorscouncil.org.cy/index.php?lang=en>)
- Construction of large infrastructure projects (block of flats, housing etc.)
- Senior consultant in the areas of contracting and management as well as in Seismic Design of large infrastructure projects.

Paphos, Cyprus

01/11/1998 – 30/06/2008

**CHIEF CIVIL ENGINEER / QUALITY CONTROL MANAGER – Athinodorou Super Benton Ltd**

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- Production and quality control of ready-mix concrete
- Import and introduce innovative technologies for ready-mix concrete
- Improve the use of raw materials and enhance production capabilities
- Certified the company with the Quality Assurance System ISO 9001, which is followed until today.

<http://athinodorougroupp.com/athinodorou-beton-ltd/> | Paphos, Cyprus

01/03/2020 – CURRENT – Limassol, Cyprus

**ENGINEER RESEARCHER – Cyprus University of Technology**

Cyclops - Cyprus Continuously Operating Natural Hazard Monitoring and Prevention System  
- INFRASTRUCTURES/1216/0050

● **EDUCATION AND TRAINING**

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01/02/2016 – CURRENT – Limassol, Cyprus

**PhD Candidate – Cyprus University of Technology**

Non-Destructive Evaluation of Corrosion in Concrete using field Spectroscopy

[www.cut.ac.cy](http://www.cut.ac.cy)

01/10/1991 – 30/09/1996 – Thessaloniki, Greece

**BSc/MSc Degree Civil and Structural Engineering – Aristotle University of Thessaloniki**

**Field(s) of study**

- Engineering and engineering trades

<https://www.auth.gr/en>

01/09/1987 – 22/05/1989 – Limassol, Cyprus

**Apolytirion (School leaving Certificate) – Lykio Agiou Ioanni**

<http://lyk-ag-ioannis-lem.schools.ac.cy/>

## ● LANGUAGE SKILLS

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Mother tongue(s): **GREEK**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● ORGANISATIONAL SKILLS

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### Organisational skills

- Excellent team-leading skills as site engineer, responsible for a team of 2 foremen and 100 workers
- Able to lead others in high-demand situations
- Supervising sub-contractors and their processes
- Planning, budgeting, scheduling and setting milestones
- Experienced in technical, financial and administrative management of research projects
- Able to coordinate several tasks simultaneously
- Record keeping
- Highlighting teamwork
- Motivating / mentoring
- Problem solving

## ● COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

- Ability to interact and effectively communicate with people from diverse backgrounds, academia, labour force, etc.
- Excellent written and verbal communication skills
- Empathic listener
- Confident, articulate, and professional speaking abilities
- Speaking in public, to groups, or via electronic media (skype conferences, etc.).
- Excellent presentation and negotiation skills

## ● PUBLICATIONS – PEER REVIEWED IN JOURNALS

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### Publications – Peer reviewed in Journals

■ Neocleous K, **Christofe A.**, Agapiou A., Evagorou E., Themistocleous K. and Hadjimitsis, "Digital Mapping of Corrosion Risk in Coastal Urban Areas using Remote Sensing and Structural Condition Assessment: Case Study in Cyprus", in press 2016, Open GeoSciences, 8, 662-674, doi.org/10.1515/geo-2016-0063, 2016

In preparation:

■ Abdulaziz Alsaif, Reyes Garcia, Fabio P Figueiredo, Kyriacos Neocleous, **Andreas Christofe**, Maurizio Guadagnini, Kypros Pilakoutas, Fatigue performance of flexible steel fibre reinforced rubberised concrete pavements, Elsevier, Engineering Structures, 193, 170-183, <https://doi.org/10.1016/j.engstruct.2019.05.040>, 2019

## ● PUBLICATIONS – PEER REVIEWED IN CONFERENCES

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01/01/2013 – 05/09/2015

### Publications – Peer reviewed in Conferences

· **Christofe A.**, Neocleous K., Themistocleous K., Agapiou A., Hadjimitsis D., "Use of GIS for the Development of Digital Structural Integrity Maps of High Risk Areas in Cyprus due to Corrosion of Steel Reinforcement", Proc. SPIE 8795, First International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2013), 87951U (August 5, 2013); doi:10.1117/12.2028223

· Neocleous K., Agapiou A., **Christofe A.**, Themistocleous K., Achillides Z., Panayiotou M. and Hadjimitsis D., "Development of a Geographical Information System for Risk Mapping of Reinforced Concrete Buildings Subjected to Atmospheric Corrosion in Cyprus Using Optical Remote Sensing Data", Proc. SPIE 9229, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014), 92291Q (August 12, 2014); doi: 10.1117/12.2066288

· K. Themistocleous, A. Christofe, K. Neocleous, A. Agapiou, M. Tzouvaras, Z. Achillides, M. Panayiotou, D.G. Hadjimitsis, "The Development of structural integrity maps of high-risk areas in Cyprus due to corrosion of steel reinforcement using GIS: The 'STEELCOR' project". Proceedings of the 5th GEOBIA Conference, 21-24 May 2014, Thessaloniki, Greece.

· Mettas C., Themistocleous K., Neocleous K., **Christofe A.**, Pilakoutas K., & Hadjimitsis D, Monitoring asphalt pavement damages using remote sensing techniques. In Third International Conference on Remote Sensing and Geoinformation of the Environment (pp. 95350S-95350S). International Society for Optics and Photonics, 2015, June

· Hadjimitsis D., Agapiou A., Themistocleous K., Mettas C., Evagorou E., Papoutsas C., Nisantzi A., Mamouri R., Tzouvaras M., Lysandrou V., Cuca B., **Christofe A.**, Aliouris K. and Ioannou N., Resolving sea and land conflicts in Cyprus using Marine Spatial Planning. In 14th International Conference on Environmental Science and Technology, 3-5 September 2015, Rhodes, Greece.

## **Publications – Peer reviewed in Conferences**

- Tzouvaras M., Papantoniou A., Kaizer C., Papoutsas C., **Christofe A.**, Themistocleous K., Lekka A.M., Karousos I., Chiappetta A. and Hadjimitsis, D.G. "Port Performance in the Mediterranean: The Development of GIS for presentation of KPI score", Proc. of the Third International Conference on Remote Sensing and Geoinformation 2015, 16-19 March 2015, Paphos, Cyprus
- **A. Christofe**, K. Neocleous, K. Themistocleous and C. Danezis, "Estimation of the Spatial Distribution of Vulnerability of Reinforced Concrete Structures in Cyprus using Geospatial Technologies", Fourth International Conference on Remote Sensing and Geoinformation 2016, 4-8 April 2016, Paphos, Cyprus
- **Christofe A.**, Neocleous K., Thomaida P., Kkolos A., Hadjimitsis D., Self-compacting concrete reinforced with tyre recycled steel fibres, Proc. of the 1st International Conference on Construction Materials for Sustainable Future, Zadar, Croatia (19 - 21 April 2017), ISBN: 978-953-8168-04-8, pp 927-933
- Mamouri R., Michaelides S., Nisantzi A., Papoutsas C., Neocleous K., Mettas C., Tzouvaras M., Evagoras E., **Christofe A.**, Melillos G., Papoutsis I., Themistocleous K., Hadjimitsis D., Kontoes C., Schreier G., Ansmann A., Komodromos G., ERATOSTHENES: excellence research Centre for Earth surveillance and space-based monitoring of the environment, the EXCELSIOR Horizon 2020 teaming project, Earth Resources and Environmental Remote Sensing/GIS Applications, October 2017. DOI: 10.1117/12.2279500
- Renos A Votsis, Elia A Tantele, Nicholas Kyriakides, **Andreas Christofe**, Christis Z Crysostomou, Framework for an integrated system for enhancing the energy efficiency and structural performance of buildings, Proc. SPIE 10773, Sixth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2018), 107731W (6 August 2018); doi: 10.1117/12.2501951

## **Publications – Peer reviewed in Conferences**

- Hadjimitsis D., Themistocleous K., Evagoras E., Michaelides S., **Christofe A.**, Nisantzi A., Neocleous K., Papoutsas C., Mettas C., Tzouvaras M., Loulli E., Kouta G., Danezis C., Lasaponara R., Masini N., Cerra D., Schreier G., Papadavid G., Capitalize on the Experience of the ATHENA Project for Cultural Heritage for the Eratosthenes Centre of Excellence for the Benefit of the East Med Region. 7th International Conference, EuroMed 2018, Nicosia, Cyprus, October 29–November 3, 2018, Proceedings, Part I. DOI: 10.1007/978-3-030-01762-0\_56
- Nisantzi A., Hadjimitsis D., Agapiou A., Lysandrou V., **Christofe A.**, Tzouvaras M., Papoutsas C., Mamouri R., Mettas C., Evagoras E., Themistocleous K., Papageorgiou N., Lasaponara R., Masini N., Danese M., Sileo M., Kraub T., Cerra D., Gessner U., Schreier G., Michaelides S., Biscione M., Remote sensing archaeology knowledge transfer: examples from the ATHENA twinning project, Remote Sensing Technologies and Applications in Urban Environments, October 2018. DOI: 10.1117/12.2325532
- Hadjimitsis D., Kouta G., Themistocleous K., Michaelides S., Neocleous K., Mamouri R., Nisantzi A., Papoutsas C., Tzouvaras M., Mettas C., **Christofe A.**, Evagoras E., Schreier G., Schwarz E., Kontoes H., Papoutsis I., Ansmann A., Komodromos G., On the Pathway to Success: Becoming a Leading Earth Observation Centre Through the EXCELSIOR Project. 7th International Conference, EuroMed 2018, Nicosia, Cyprus, October 29–November 3, 2018, Proceedings, Part I. DOI: 10.1007/978-3-030-01762-0\_57

## **Publications – Peer reviewed in Conferences**

- Nisantzi A., Hadjimitsis D., Mamouri R., Papoutsas C., Tzouvaras M., Agapiou A., Themistocleous K., Mettas C., **Christofe A.**, Michaelides S., Lysandrou V., Evagroras E., Papageorgiou N., Masini N., Biscione M., Danese M., Sileo M., Kraub T., Cerra D., Gessner U., Schreier G., Lasaponara R., Remote sensing archaeology knowledge transfer: examples from the ATHENA Twinning project, December 2018. Image and Signal Processing for Remote Sensing. DOI: 10.1117/12.2325544
- Chris Danezis, Diofantos Hadjimitsis, Michael Eineder, Ramon Brcic, Athos Agapiou, Kyriacos Themistocleous, Evangelos Mendonidis, **Andreas Christofe**, Marios Tzouvaras, CyCLOPS: A Novel Strategic Research Infrastructure Unit for Continuous Integrated Spaced-based Monitoring of Geohazards, 4<sup>th</sup> Joint International Symposium on Deformation Monitoring (JISDM), 5-17 May 2019, Athens, Greece
- Hadjimitsis D., Schreier G., Kontoes H., Ansmann A., Komodromos G., Themistocleous K., Neocleous K., Michaelides S., Mamouri R., Papoutsis I., Bühl J., Schwarz E., Melillos G., Tziortzis S., Danezis C., Nisantzi A., Mettas C., Papoutsas C., Tzouvaras M., Evagorou E., Agapiou A., Miltiadou M., **Christofe A.**, Prodromou M., Loulli E., Yfantidou A., Alverti M., Lysandrou V., Polydorou T., Kyriakidis P., Kyriakides N., Akylas E., Anayiotos A., Ambrosia V., Maranesi M., Zeil P., Halounova L., Barok D., Cheli S., The ERATOSTHENES Centre of Excellence (ECoE) as a digital innovation hub for Earth observation, 2020. SPIE Defense + Commercial Sensing, 2020, Online Only, California, United States
- **Christofe A.**, Danezis C., Hadjimitsis D., ASSESSING AGING IN REINFORCED CONCRETE USING NOVEL REMOTE SENSING TECHNIQUES, Proc. International Structural Engineering and Construction, Holistic Overview of Structural Design and Construction, EURO MED SEC 3 (accepted)



## ● TECHNICAL REPORTS

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### Technical Reports

1. Neocleous K., Christofe A., Kkolos A., Themistocleous K. and Hadjimitsis D., "Steel Fibre Reinforced Screeds", FP7 Research project ANAGENNISI, Technical Report, Ref. Anagennisi/3.5, 19 pp.
2. Neocleous K., Christofe A. and Hadjimitsis D., "Technical Guide for Steel Reinforcement Corrosion in Concrete Structures Including Proposed Regulation", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D9, February 2015, 8 pp.
3. Neocleous K., Christofe A., Themistocleous K. and Hadjimitsis D., "Digital (GIS) Structural Integrity Mapping of High Risk Areas due to Corrosion of Steel", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D20, February 2015, 27 pp.
4. Neocleous K., Christofe A., Lazari L., Panayiotou M. and Hadjimitsis D., "Assessment Report of the Corrosion Mechanism for Reinforcing Steel", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D16, February 2015, 30 pp.
5. Neocleous K., Christofe A., Lazari L., Panayiotou M., Moustakas K., Loizidou M. and Hadjimitsis D., "Report of the Test Results from All Partners", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D15, February 2015, 60 pp.
6. Neocleous K., Christofe A., and Hadjimitsis D., "Exploitation and Use of Infrastructure throughout the Project Period", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D13, February 2015, 11 pp.
7. Neocleous K., Christofe A., Lazari L., Themistocleous K. and Hadjimitsis D., "Risk assessment analysis of buildings due to corrosion of steel reinforcement", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D19, January 2015, 21 pp.
8. Neocleous K., Christofe A. and Hadjimitsis D., "Correlation Analysis between Accelerated Corrosion and Natural Corrosion of Steel Reinforcement", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D18, December 2014, 13 pp.
9. Neocleous K., Christofe A. Lazari L., Panayiotou M. and Hadjimitsis D., "Report of the accelerated corrosion test results", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D17, November 2014, 24 pp.
10. Neocleous K., Christofe A. and Hadjimitsis D., "NDT Assessment of the Selected Buildings", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D14, January 2014, 118 pp.
11. Christofe A., Neocleous K. and Hadjimitsis D., "Laboratory Quality Management and Technical Procedures", IPE New Infrastructure project STEELCOR, Technical Report, Ref. STEELCOR/D12, March 2013, 59 pp.