

Dr Georgios Kapogiannis

Academic – Thought Leader – Consultant – Trainer

ACHIEVEMENTS

Academic and Professional Recognition: Ranked among the top 320 scholars in Intelligent Manufacturing by Emerald Publishing (2021), authored over 80 peer-reviewed publications, and supervised over 550 UG/PG dissertations in top universities worldwide. Further enriched the academic sphere with 10 MPhil/PhD completions and have been a recipient of 12 international awards in construction innovation.

Financial and Project Management: Generated income exceeding £100K by leading and participating in projects cumulatively worth over £50M across EU, UK, and China. Managed and reviewed tender documents totaling \$28.5M for Manchester School of Architecture and directed digital projects across various sectors amounting to a value of \$1.5M.

Training, Mentorship, and Leadership: Imparted training in ISO19650 to clients including the Hong Kong Government and global experts. Mentored 4 startups in the European Union, UK, and China. Created impactful thought leadership content on Digital Twin, showcased in major platforms like Bloomberg and Yahoo.

Research and Development Innovations: Spearheaded 5 RTD projects resulting in novel products and services, with noteworthy inventions in Robotics and BIM, including a mobile robot for 3D building reconstructions and a significant patent in LIDAR technology.

Global Influence and Collaboration: Acted as an influential reviewer for international entities like EPSRC, EU, ESRC, and renowned journals. Led and managed global reviews such as the Digital Twin market analysis by RICS and Glodon, emphasizing a global reach and collaboration.

VISITING PROFESSOR

Visiting Professor in BIM and GIS at University of Sapienza

Visiting Scholar after invitation at the Xi'an Jiaotong-Liverpool University in China. This is a partnership between Xi'an Jiaotong University (a top 300 university) and the University of Liverpool (a top 150 global university). This honorary appointment will initially be for a period of three years (till January 2026), and involves the following areas of activity a) Research project development and supervision in Digital Innovation and Project Management in Architecture, Civil Engineering, and Construction sectors as part of the Design School – Glodon MoU; b) Research collaboration, guest lecture provision and PhD student supervision in Building Information Modelling (BIM) and Digital Engineering; c) Research and industry network

expansion in construction project management

Visiting Professor, Management Information Systems at the College of Business, University of Northern Iowa, USA. Teaching Management Information Systems to Executive MBA Programme <https://business.uni.edu/international-mba/directory/georgios-kapogiannis>

Visiting Professor (Research) in Digital Transformation, Ningbo Institute for Supply Chain Innovation – MIT Global SCALE Network, China <https://www.nisci.edu.cn/> and Research Partner of the METALab <https://metalab.nisci.edu.cn/>.

EDUCATION

2014	PgCert , Coventry University, (United Kingdom) Higher Education and Practice (FHEA Accredited)
2013	PhD , The University of Salford (United Kingdom) Major: <i>Construction and Project Management</i> Advisor: Professor Terrence Fernando, Ph.D. ‘A Conceptual Framework to improve project managers' performance’. Lead the CIB (International Council for Research and Innovation in Building) Student Chapter 2011-2012. I was a member of the Association of Researchers in Construction Management. Received Scholarship by the European Project - CoSpaces.org whilst during my PhD I received an additional Scholarship for studies in Digital Government University New York – University at Albany (USA) – Centre for Technologies in Government (NSF Funded Program).
2013	MSc , National & Kapodistrian University of Athens, Major: <i>Economics & Management of Telecommunication Networks</i> , Advisor: Professor Dr Panagiotis Georgiadis, completed 113/120 ECTS Credits before transferring to PhD studies at the University of Salford, UK. The Dissertation was entitled ‘Mobile Government: Policy and Transformation Process: Applications and Priorities’ and was graded with Distinction 10/10 (1% in class). GPA 7.5/10
2004	BSc (Hons) , Higher Technological Educational Institute of Messolonghi - University of Applied Science (merged with the University of Patras), Major: Applied Informatics in Management & Finance Advisor: Prof. Antonia Stefani, PhD. Received Scholarship by the European Union for studies at the University of Jyväskylä, Finland and my home institute for outstanding performance. The Dissertation was entitled ‘A Survey on the Business Goals, the Investments on Technology and the Return of Investments on Greek E-Commerce Systems’ and was graded with Distinction 10/10 (1% in class). GPA 8/10
2003	Graduate Certificate , University of Jyväskylä, Finland Completed 20ECTS credits in Knowledge Management, International Marketing, Finnish Language and eCommerce.

PROFESSIONAL QUALIFICATIONS

2021	PRINCE 2 both Foundation and Practitioner
2021	BRE UK certified trainer for ISO19650
2014	Member of the Association of Researchers in Construction Management
2013	Fellow of the Higher Education Academy (FHEA)
2012	Incorporate Member of the Chartered Institute of Building (CIOB)
2011	Member of the British Computer Society (MBCS)
2011	Member of the Project Management Institute (PMI)

TEACHING EXPERIENCE

Module	University	Country
<ul style="list-style-type: none"> Building Information Modelling Geospatial Engineering 	University Sapienza Di Roma	Online, Italy
<ul style="list-style-type: none"> Building Information Modelling and Management 	University of Business and Technology	Jeddah, Kingdom of Saudi Arabia
<ul style="list-style-type: none"> Running a Construction Business (UG) Project Management Systems (UG/PG) Production Management (PG) Innovation in Construction (UG) The Construction Entrepreneur (UG) Research Methodology (UG/PG) Dissertation Supervision (PhD/UG/PG) 	Anglia Ruskin University, Essex, UK	Chelmsford, United Kingdom
<ul style="list-style-type: none"> Project Management (UG/PG) Procurement Management (UG/PG) Commercial Management (UG) Research Methodology (UG/PG) Project Analysis and Strategy (PG) Dissertation Supervision (PhD/UG/PG) 	Coventry University	Coventry, UK
<ul style="list-style-type: none"> Organisational Change (PG) Leadership and Management (PG) 		Qatar Campus

<ul style="list-style-type: none"> • PRINCE 2 (PG) • Risk Management (PG) • Dissertation Supervision (PG) 	Liverpool John Moores University Oryx Universal College	
<ul style="list-style-type: none"> • Innovation and Change (EMBA) 	Queens Mary University, University of London	Online, UK
<ul style="list-style-type: none"> • Dissertation Supervision (MSt) 	University of Cambridge	Cambridge, UK
<ul style="list-style-type: none"> • Dissertation Supervision (PG) 	University of College London, (UCL) - University of London	Online
<ul style="list-style-type: none"> • Dissertation Supervision (EMBA) 	University of Manchester	Manchester (UK) and Online
<ul style="list-style-type: none"> • Building Information Modelling and Management, (PG/UG) • Global Smart Cities with BIM (PG) • Integrating BIM and GIS • Project Management Development • Research Methodology (UG/PG) • Dissertation Supervision (PhD/UG/PG) 	University of Nottingham	Ningbo, China
<ul style="list-style-type: none"> • Project Management (PG) • Procurement Management (PG) • Financial Management (PG) • Construction Management (PG) • People and Culture (PG) • Strategic and Operational Management (UG) • Research Methodology (PG) • Dissertation Supervision (UG/PG) 	University of Salford	Salford, Greater Manchester, UK
<ul style="list-style-type: none"> • Operational Management, (UG) • Strategic Management (UG) • Dissertation Supervision (PG) 	University of York,	York, UK
<ul style="list-style-type: none"> • Construction Management (UG) • Dissertation Supervision (PG) 	University of Warwick,	Warwick, UK
<ul style="list-style-type: none"> • Management Information Systems (EMBA) 	University of Northern Iowa	Shanghai, China and Iowa USA
<ul style="list-style-type: none"> • Western Project Administration (UG) • Western Introduction to Technology and Design(UG) 	East China Jiatong University	Nanchang, China

<ul style="list-style-type: none"> Statistics and Quality Assurance (UG) 	Hubei University of Technology	Wuhan, China
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ACADEMIC EXPERIENCE

May 2022 – Now Liverpool John Moores University | Oryx Universal College
Research and Knowledge Exchange Co – Coordinator and Senior Associate Professor –Project Management | Leadership at Oryx Universal College | Liverpool John Moores University – School of Business and Leadership –

MSc in Project Management. The modules I lead and teach are Leadership for Strategic Execution, Risk Management, PRINCE 2 and Organisational Change. I have been elected as a member of the Board of Academic Affairs that reports directly to the President (similar to the Senate). My role is to ensure consistency in the operation and quality of the academic teaching activities of the university. Moreover, I co-lead the Research Office that currently is at the design and development stage. Dissertation supervision of 25 students in addition lead the MSc in Project Management and supervise 5 members of staff to design, deliver, manage and assess the relevant modules.

March 2018 – June 2021 University of Nottingham
Assistant Professor in Building Information Modeling University of Nottingham Ningbo, China; Deputy Head of Geospatial & HazardResearch Group; Faculty of Science and Technology Research Ethics Officer; Programme Director MSc in Geospatial Engineering with BIM and Taught relevant modules to BIM, Smart Cities and Project Management. I supervised in total 60 PhD/PG/UG students. Generated income as a PI of more than 500M RMB in a period of 2 years and led and ran a number of training sessions in BRE - ISO19650.

August 2015 – February 2018 Anglia Ruskin University
Assistant Professor (SL), in Construction Technology – Management Anglia Ruskin University, Essex, UK, appointed as a Senior Lecturer and Lead the Erasmus Programme in the Department. I brought over funds from top Organisations worldwide such as the European Union -Erasmus +, RICS, Saudi Council of Engineers etc. in the total amount of approx. £50K over a year. I supervised Prof Doc and PhD Research Students in the domain of Digital Construction Engineering and Management, and I have successfully supervised more than 60 UG,PG and PhD Dissertation students completed

October2014 – July 2015 University of Portsmouth, UK
As a research fellow my work was to investigate and eliminate the development of Uncertainties in BIM Projects with the support of Artificial Intelligence and Information Systems. The results were published in renowned conferences and journal publications

January 2013 – October 2014 Coventry University,UK

As an Associate Lecturer (Teaching and Research) in Civil Engineering, Architecture & Building specialised in the Engineering Project Management and Finance. Teaching wise I led (design, development, assessment and admin) involved in modules related to the area of Engineering Project Management and Finance. In addition, I supervised 60 Undergraduate, Postgraduate and PhD Dissertations. I marked and moderated, as appropriate, assessment materials to pre-set requirements/protocols and/or mark and assess students' skills through practical assignments and class tests to pre-set requirements. Furthermore, I design and organised Continuous Professional Development (CPD) events followed by the design and organisation of Businesses Development in construction enterprises. Research wise I worked with the Sustainable Building Future (SBF) team and the European Regional Development Fund by generating income of 10K GBP. I was involved in the EU Funded Project RESSEEPE (Budget avr 13,5M€) as a Work Package Leader (Dissemination and Communication Leader). In addition to this I engaged construction driven Small and Medium Enterprises into Innovation, Research & Development. The results were published in world owned conferences, webinars, seminars and journal publication.

September 2008 – December 2012

University of Salford, UK

06/2011 – 01/ 2012 Research Assistant/ Data Analyst: My role was to gather and input data in spreadsheets as well as to update and analyse data. I made advance use of the Excel Office (automation process) and I was involved in the redesign, restructuring and maintenance of the developed web portal and the online database. This client – server online application (e-service) helps the group's members to find the most recent publications in the world of Pattern Recognition and Image Analysis Research Group at the University of Salford. Prof. Dr Apostolos Antonacopoulos. 02/2009 – 06/2010 Research Assistant/ ICT Business Analyst: My role was to prepare a feasibility study for the development of an attractive and dynamic web portal for Construction SMEs. The report among others included: Technical Research Analysis, Risk and Financial Management Analysis, IT project Management, Economo-technical Analysis, Legal Aspects (data protection), deployment of business model as well as designing marketing and organisational strategy, respectively. The PI was Prof. Dr Farzad Khosrowshahi. 02/2009 – 06/2010 Research Associate/ ICT Project Management: My role was to explore whether collaborative environments and its technologies could enhance the proactive behaviour in construction project managers. I worked closely with the construction consultant. company COWI and the airspace manufacturing company Airbus. The project budget is 12MEuro and funded by the EU/FP6. Project Title: CoSpaces (IST-5-034245). The Technical PI was Prof. Dr Terrence Fernando. I supervised 60 Undergraduate and Postgraduate dissertations

CORPORATE EXPERIENCE

July 2021 – March 2023

Glodon Technology Ltd, China

Head of Thought Leadership

Design, development, and delivery Thought Leadership Content with the support of the right internal and external stakeholders. Create, maintain, and expand University partnerships to get the relevant resources to support thought leadership strategy implementation. Deliver thought leadership content over a range of events, seminars, talks etc. My work was published in world renowned news such as Bloomberg and Yahoo. I received outstanding performance within 3

months of employment. Completed successfully as a project manager the research project with RICS in Digital Twins and activated a number of collaborations including with XJTLU (Xi'an Jiaotong Liverpool University). The RICS report can be found at <https://tinyurl.com/5bajkc55>

September 2004 – Now

Freelancer

Academic/Thought Leadership/ Consultant/ Trainer, Freelancer

For more than 18 years I have received several academic, researcher, consultant, training, professor and external examiner appointments from world leading Universities and Organisations in the UK, Europe, Middle East, China and broader Asia region and United States of America in the domain of (Digital) Construction Engineering Project and Business Management. Notably among others in the UK and worldwide The University of Cambridge – MSt in Construction (Top 5 in the World);

- The University of London – Queen Mary University (Top 125 in the world)
- University of College London (UCL) – The Bartlett School of Sustainable Construction (Top 10 in the world);
- The University of Warwick – WMG and Department of Civil Engineering (Top 50 in the World);
- The University of Manchester – Executive MBA Programme (Top 30 in the world);
- The University of York York Management School (Top 100 in the World);
- Heriot Watt University – School of the Built Environment (Top 250 in the World)
- USA University of Northern Iowa – Department of Business Administration
- USA China Ningbo Institute of Supply Chain Institute – MIT Global – China

During these years, I have supervised more than 550 students' dissertations that now have leading positions in world leading companies e.g. Shell, CCG, Atkins, Balfour Beatty, AECOM, WSP, etc. I run a range of BIM driven projects, training or requests for digital transformation in various companies across the UK, Europe, China and Middle East. BIM projects such as buildings, universities, healthcare and oil & gas. For digital transformation mainly SMEs designers and contractors were requested my consultancy services.

Main Clients and Projects among others were:

- Mentor Startup Companies s in European Union – JUMPSTARTER funded projects (2023 – today), China – Li – Dak Sum @ University of Nottingham Ningbo (2021),
- Digital Railway Construction Consultant for Delta Meletetiki, Contractor AVAX – Client ERGOSE, Greece. Project 86Khm Railway to be digitilised to BIM LEVEL 350 (80% existing rail track and 20% new railway station (Kalambaka – Domokos) funded by the EU and Greek Government (2023 – 2025)
- Design and Deliver Materials for Hong Kong Government (2023)
- Hong Kong Department of Land Surveyors (Government) deliver Innovation in the Built Environment – GIS/BIM – Case Studies (2023)
- BRE delivery training for ISO19650 Training, Hong Kong (2022)
- Ningbo Institute of Supply Chain Innovation / MIT SCALE network consult BIM Model of their Main Campus in Ningbo, Meishan Island, China (2021)
- BINUS University – BIM Academic Consultant (2021)

- BIM Oil & Gas for the Oman Government (project's details are confidential)
- Digital transformation UK – ERDF (2016 - 2018) various SME

September 2016- August 2018

Politia Group, UK

Non – Executive Director –

I contributed to the strategic direction of the company; efficiently solving problems that arise; communicating with third parties; ensuring all the audit requirements are satisfied.

September 2011-August 2012

Amara Partnerships, UK

IT Project Director

Design, development, and beta test of an online platform to support SMEs. A Web cloud-based environment allowing suppliers to have access to day 2 days news for bidding opportunities, searching for staff, training and other interactive online activities.

October 2011 – December 2011

Turner Townsend, UK

Trainee Project Management

Procurement Reviewer £25M – Manchester Metropolitan University Best Practices-Key Performance Indicators; eLearning consultation Establishment of New Internal Sector-Funding Stream: ----Marketing ----Research ----Business Strategic Analysis ----Innovation and Research opportunities.

2007 – 2007

Sirius 7 Software Ltd

IT Manager – Data Analyst,

Generating 3D maps based on GIS Data for clients and helping the development team in C++.

2004 – 2007

Hellenic Institute of Educational Policy, Greece

Financial Project Manager,

I led the financial component of a 7.5M Euro Project (Rewriting the books for secondary education) with 126 subprojects and dealing with more than 1000 professionals, publishers, organisations in Greece and the European Union and schools. In addition, I had to **report** as a financial project team leader project progress quarterly in the European Commission in terms of expenses, accounting, payments, invoices, balance. In addition, I was actively involved in the issue of **new policy, contract, procurement strategy and tender process and review, project library and hand over to the publisher**. Also, I was **involved** in the Digital Strategy and Communication of the project at national and international level because of the existence of Greek schools in other countries in the EU, Canada, USA, Australia

RESEARCH EMPLOYMENT

2021 – Now **PI**, Research Advisor and Co - Investor, RoboBIM at University of Nottingham Ningbo China

2020 – 2021 **PI**, Academic (Teaching and Research) BIM Consultant for Binus University

2016 - 2017 **Co-PI** Integrated Collaborative Environment for Facilities Management – NHS Case: Anglia Ruskin University [Co-PI with Dr Nadeeshani Wanigarathna and

- Professor Keith Jones]
- 2014 – 2015 **PI** Digital Construction: Mapping Uncertainties and Gamification in Construction [Research Fellow – University of Portsmouth – Director: Professor Dr Mark Gaterell]
- 2013 – 2014 **Co – PI and Project Manager**, RESSEPE EU Funded Project – Coventry University – Professor Dr Mark Gaterell
- 2011 – 2012 Research Data Analyst [Pattern Recognition and Image Analysis Research Group – Director: Professor Dr Apostolos Antonacopoulos]
- 2009 – 2012 **Research Associate** in Construction Project Management and Integrated Collaborative Environments – Director: Professor Dr Terrence Fernando] Innovative Collaborative Work Environments for Design and Engineering CoSpaces [EU – FP6 - IST-5-034245]
- 2009 – 2010 **Research Associate** in Construction Project Management and Integrated Collaborative Environments Director: Professor Dr Farzad Khosrowshahi] Digital Construction: SMEs – Digital Procurement [Match funded –

PATENTS

1. Georgios Kapogiannis; Adam Rushworth; Fuhua Jia; Kege Xie; Lechen Zhang. A mobile robot for BIM 3D reconstruction of building interiors and its control method (Innovation)
– status Pre-Granted (26 May 2023) Final Review Stage: Patent Number: CN202221876135/ CN116141327A <https://tinyurl.com/2ermunjy>
2. Fuhua Jia; Adam Rushworth; Georgios Kapogiannis; Kege Xie; Mengsheng Yang. A head for rotating LIDAR field-of-view extension and its motion control method (utility model) –Granted Patent Number CN218272691U <https://tinyurl.com/mvrnczzz>

HONORS AND AWARDS

2021 Congratulated and awarded with a prize for his contribution on BIM and DigitalConstruction to Binus University by the Dean of Faculty of Engineering Dr Ir. John Fredy Bobby Saragih M.SI. at Binus University.

2021 Cultural Ambassador

Zhejiang Province, China with the Prize of “Cultural Ambassador” during COVID-19 period.

2021 Recognised by BIM Union China for my contribution to BIM Education in the Global Publication by Australian Authorities BIM EDUCATION - GLOBAL – 2021 UPDATE
REPORT<https://www.icis.org/publications/papers/>

2020 4 Times winner in BIM Awards in China for 1st position

I lead 4 teams in BIM projects in China between 2018 and 2022 and won 4 prizes finishing with the 1st prize

2020.12 共创杯第二届智能建造技术创新大赛高校组一等奖 *Second "Gongchuang" Cup Intelligent Construction Technologies Innovation Competition, University Group First Prize.* 参与人 *Participant* : 指导老师 *Instructors* : Dr. Gerogios Kapogiannis, Dr. 郭杰群 *Jiequn Guo*, Dr. Craig Hancock, Dr. 张志昂 *Zhiang Zhang* 参与人员 *People* : 杨天伦 *Tianlun Yang*, 孔德洲 *Dezhou Kong*, Michael Woldemariam, 卢楠 *Nan Lu*, 潇邠 *Huan Xiao*, 周羽 *Yu Zhou*: *A Gamificative Mobile Asset Information Management for BIM applications*

2020.12 “智建杯”中国智慧建造应用大赛 高校组 金奖 *Intelligence Construction Cup, Chinese Competition of Intelligence Construction Application, University Group Gold Prize* 参与人 *People* : 杨天伦 *Tianlun Yang*, 华威 *Wei Hua*, Dr. Gerogios Kapogiannis,

2020.11 建筑创客马拉松2020上海站极客新秀奖 *AEC Hackathon 2020*

Shanghai Station New Geek Prize 参与人 *People* : 杨天伦 *Tianlun Yang*, Dr. Gerogios Kapogiannis, 华威 *Wei Hua*: *A refurbishment improved information modeling approach through Virtual Reality to support decision making*

2020.9 第七届BIM技术国际交流会-“智能建造与建筑工业化创新发展”优秀论文 7th *BIM International Conference – “Intelligence Construction and AEC industrialization Innovative Development “Best Paper Award”* 论文题目 *Paper*: 《LOD 350级别的BIM模型在土建施工图设计中的作用 *Impact of Level of Development (LOD) 350 of BIM Models in Building Construction Documents Design*》 作者 *Authors* : 杨天伦 *Tianlun Yang*, Dr. Georgios Kapogiannis, Dr. Byung-Gyoo Kang, Dr. Robin Wilson

2012 Honors Distinction

CIB Sebestyén Future Leaders Award 2012, CIB - International Council for Research and Innovation in Building and Construction, President CIB Student Chapter, Salford, University, Salford, UK.

2012 Outstanding Personal Tutor

Nominated by Anglia Ruskin University.

2002 Scholarship Award

I received a range of scholarships over the years to study in Greece, Finland, United Kingdom and USA in the following years 2002/2008/2011 respectively from IKY, EU and NSF.

2008 Who's Who in the World

My name was included in Marquis Who's who in the world.

PROFESSIONAL AFFILIATIONS AND SERVICES

Grants' Reviewer

United Kingdom Research and Innovation including among others.
Economic and Social Research Council (ESRC) Peer Review College (PRC)
Member (After Invitation) since 2015.
Engineering and Physical Sciences Research Council (EPSRC).Future Leaders Fellowships
European Commission

Editorial Member

Institution of Civil Engineers -Journal of Municipal Engineer with ISSN 0965-0903 | E-ISSN 1751-7699
Construction Economics and Buildings (Special Issue Editor in Economics of Digital Construction)

Ad-hoc Reviewer

International Journal of Financial Management of Property and Construction
Journal of Environmental Planning and Management
International Journal of Product Lifecycle Management
Automation in Construction
International Journal of Project Management
International Journal of Construction Engineering and Management
International Journal of 3D Building Information Modelling
International Journal of Facilities Management

Professional Organization Member

Economic and Social Research Council (ESRC) Peer Review College after invitation
Co-founder and committee member of BIM East Region
Founder member of CIOB NOVUS North West

Scientific/Organisational/Committee Member

Conference Organiser, Project Management Leadership, Qatar 2023
Scientific Committee Member for the International conference on civil infrastructure and construction, Qatar, 2023
Organisational Committee Member International BIM Conference, Glasgow,2018
Sustainable Building and Construction CIB – Coventry University, UK,2014

10th and 11th International Postgraduate Research Conference, IPGRC
26th IPMA World Congress
PM05 International and Mediterranean Conference
ARCOM Workshop in Zoom in Zoom Out, Anglia Ruskin University

Programs/Modules Validation as an External Examiner

University of East London (MBA)
University of Wolverhampton (MSc/BSc Construction Management – PM)
Birmingham City University (MSc/BSc Construction Management –
QS) **PhD Assessment External Examiner**

University of Wolverhampton (PhD Viva) Tochukwu Moses (2017)
Anglia Ruskin University (PhD Viva) Mohammed Abdul Rahim (2017)
Coventry University (PhD Viva) Ghaith Khalil Eid Al-Werikat (2016)

PhD/MPhil/MRes Supervision to completion

4 Completions as a 1st Supervisor at the University of Nottingham

***Zihao YE** Blockchain and BIM in Building Assets Assessment (2022)*
***TianlungYang** The interrelationship of LOD 350 and LOD 400 to Business Models in Design companies (2022)*
***Azzam Raslan** Integrated Supply Chain and Blockchain in the Kingdom of Saudi Arabia (2022)*
***Ilyasu Abdullahi** Improving International Construction Project Managers Performance by implementing digital construction strategy in developing countries (2022)*

1 Completion as a 1st Supervisor at Coventry University, UK

***Michael Gerges** (MRes) Labour Productivity in Egypt Coventry University (Completed May 2014)*

3 Completions as a 2nd / 3^d Supervisor at Coventry University, UK

***Ikechukwu Dike** at Coventry University in A critical evaluation of Building Information Modelling as a Process for Improving Collaboration and Performance in UK Construction Supply Chains at Coventry University (completed 03/ 2017)*
***Olatunde Banwo** (PhD) Critical analysis of existing decision support systems and their applications Coventry University (completed July 2016)*
***Roxani Athousaki** Sustainability in Aviation Management at Coventry University (completed December 2019)*

1 Completion as a 2nd /3d Supervisor at Anglia Ruskin University, UK

Barry Talbot Progress Measurement to Facilitate 5D BIM in Reinforced Concrete Frame Construction at Anglia Ruskin University (completed December 2020)

GRANTS

2020 Training Income on BRE ISO19650, 85000 RMB for a period of 2 years

2019 Academic Advisor at Binus University, Indonesia 358000RMB

2017 Contribution to the Development of BIM Level 2 to the new Building Information Modelling portal for the Public Sector Procurer within Scotland [Scottish Future Trust, In Kind Contribution]

2016 Public Sector Asset Management in the UK Healthcare System using BIM technologies [RICS£9,300.00]

2013 Implementing BIM Strategy [The Design Buro Architect Studio – ERDF – £18,850.00]

2013 Retrofit Solutions and Services for the enhancement of energy efficiency in public edification -RESSEEPE [EU Funding – FP7 – Total: 13,686,932.64 € personal contribution £29,000.00]

2013 Online Construction Simulation Centre [iGameLearn – ERDF – £12,000.00]

2013 BIM Strategy [Sutton and Wilkinson Ltd Architect Studio– ERDF – £5,000.00]

2013 Digital Smart Extension [SD Studio Ltd Architect Studio – ERDF – £5,150.00]

2011 Building Information Modelling (BIM) – Economo - social Analysis [International Research Council Building & Construction – International – £2,300.00],2011

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Kapogiannis. G.**, Papadonikolaki. E. and Roy Jin (2023) Developing a Blockchain-based Culture to Digitalize Small and Medium Enterprises in China. Journal Blockchain: Research and Applications. (Under Review)
2. Mostafa Fekry Abdelnaby, Michael Gerges and **Georgios Kapogiannis** (2023) Causes of delays in the Egyptian Construction Projects DOI:

- 10.33552/CTCSE.2023.09.000724 ISSN: 2643-6876 DOI: 10.33552/CTCSE.2023.09.000724, Current Trends in Civil & Structural Engineering, Iris Publishers.
3. Ye, Z., **Kapogiannis**, G., Tang, S., Zhang, Z., Jimenez-Bescos, C. and Yang, T. (2023), "Influence of an integrated value-based asset condition assessment in built asset management", Construction Innovation, Vol. ahead-of-print No. ahead-of-print. <https://lnkd.in/dMejWXxp>
 4. Razlan. A.; **Kapogiannis**. G.; Towey, D., Tizani. W, Cheshmehzangi, A. (2023) a blockchain based tool for improving the management of assets information models (accepted subject to corrections), IT in Construction a Q1 Journal, IF: 4.53
 5. Razlan. A.; **Kapogiannis**. G.; Towey, D., Tizani. W, Cheshmehzangi, A. (2023) An impact analysis of the factors affecting operation of asset information modelling. throughout the project management lifecycle: The case of Kingdom of Saudi Arabia, Construction Innovation Journal (Under Review), a Q1 Journal, IF: 3.2
 6. Zihao Leo and **Georgios Kapogiannis** (2023). Impact of an intelligent integrated value-based asset condition assessment in Built Asset Management Journal of Construction Innovation: Information, Process, Management, A Q1 Journal with IF 5.2
 7. Iliyasu Abba Abdullahi, **Georgios Kapogiannis**, Michal Lemanski, Carlos Jimenez-Bescos (2022) Identifying and assessing complexity emergent behavior during mega infrastructure construction in Sub-Saharan Africa Entrepreneurial Business and Economics Review, Journal of Entrepreneurial Business and Economics Review, A Q1 Journal with IF: 1.4
 8. **Kapogiannis**, G., Fernando, T. and Alkhard, Ahmed Mohammed (2021), Impact of Proactive Behaviour Antecedents on Construction Project Managers' Performance, Journal of Construction Innovation: Information, Process, Management (Accepted), A Q1 Journal with IF 3.8
 9. Tianlun, Yan, **Kapogiannis** Georgios, Byung Gyoo Kang and Robin Wilson (2020) Impact of Level of Development (LOD) 350 of BIM models in Building Construction Documents Design,5. Journal of Information Technology in Civil Engineering and Architecture, with IF 1.5
 10. Walker, J., Towey, D., Pike, M., **Kapogiannis**, G., Elamin, A. and Wei, R. (2020), "Developing a pedagogical photoreal virtual environment to teach civil engineering", Interactive Technology and Smart Education, Vol. ahead-of-print No. ahead-of-print. With IF: 2.20 <https://doi.org/10.1108/ITSE-10-2019-0069>
 11. Jin, R., Yan, X., Fan B., Yang, T. Wang, L. and **Kapogiannis**., (2020) Incorporating BIM in the Final Semester Undergraduate Project of Construction Management-A Case Study in Fuzhou University, KSCE Journal of Civil Engineering, Springer (IF: 1.6)
 12. Georgios **Kapogiannis** and Attwell Mlilo.2019. Digital Construction Strategies and BIMinRailwayTunnelling EngineeringSubmitted: February 20th 2019Reviewed: June 10th 2019Published: July 18th 2019 DOI: 10.5772/intechopen.87942 <https://www.intechopen.com/online->

- first/digital-construction-strategies-and-bim-in-railway-tunnelling-engineering
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TALKS AFTER INVITATION

Greece

- 2022 Guest Speaker at the Summer School of Electrical Engineers that was organized by the Department of Electrical and Computer Engineering at the University of Peloponnese in collaboration with the local IEEE Student Branch.
- 2017 Visiting Professor in Digital Built Environment and Management (part of Erasmus Exchange Program) at the National Technical University of Athens and the University of Piraeus

UAE

- 2022 Keynote Speaker in Digital Asset Management and Section Lead of the same domain with experts in #proptech sector David Glennon, Ash Toma, Amr Saad and Steven Lamb during #PropTechFestival2022. Organised by Ventures Connect B2B Connect GCC

Qatar

- 2022 Keynote Speaker on BIM and Beyond at BIM Qatar 2022 Conference organized by the Architect Network <https://www.architectshub.com/event->

China

- 2021 Since 2018 I have been invited in more than 10 National, Governmental and International Conferences to be a keynote speaker in the domain of Digital Innovation in Construction and Building Information Modeling.
- 2017 Hubei University of Technology Invited to talk about [Integration of Mechanical and Construction Engineers through Building Information Modelling] 2017

Indonesia

- 2019 Binus University, Guest Lecture in BIM and Management

Kingdom of Saudi Arabia

- 2017 Kingdom of Saudi Arabia Engineering Council Invited to talk about [Digital Construction Engineering and Procurement Management in the Kingdom of Saudi Arabia]

United Kingdom

- 2019 University of Nottingham, Research Centre of Structural Informatics, The University of Nottingham, UK
- 2016 University of Salford [Invited to talk about collaboration culture in construction projects that use BIM]
- 2015 Aston University [Invited to talk about state-of-the-art technologies in construction project management]
- 2014 House of Commons, Westminster Palace [Invited to attend the Governmental Meeting in Supply Chain Resilience and the Environment Westminster Sustainable Business. The meeting chaired by Barry Gardiner MP (Leader of the Opposition's Special Envoy for Climate Change and the Environment) delegates heard from Iain Wright MP (Shadow Minister for BIS), Ian Bowman (Siemens), Duncan Wardrop (Lafarge) and David Gardner (ESKTN)]
- 2012 Birmingham City University - Centre for Knowledge Based Engineering [Invited to deliver lecture in “Collaborative Environments in Construction”]
- 2012 University of Central Lancashire - Centre for Sustainable Environment [Invited to deliver lecture in “A Framework for Collaborative Environments for Project Managers in the Construction Industry”]

ICT SKILLS (Teaching – Learning – Coding – Modeling)

Over the years I have developed a range of ICT Skills that helped me to excel in teaching, learning research and innovation (see table below for details)

Structural Programming Languages	C
Object Oriented Languages	Visual Basic, Visual Prolog, Open GL, C++
Communication and Collaborative Tools	WebEx, Aconex, Skype, Zoom and Tencent
Learning Technologies	Elluminate Live, Blackboard, Turnitin, Moodle Canvas, Panopto
Data Bases Management Systems(DBMS)	MySQL
Graphic Environments	OpenGL
Script Languages	Java Script, Php
3D, 4D, 5D and Clash Detection	Revit, Vico, Solibri, SolidWorks and Navisworks
3D Animations	3D Studio Max
Project Management and CDE	MS Project, Primavera, Fusion and G-Site
VR/AR/MR	Enscape, Trimble and Microsoft HoloLens
Networks	MAN, LAN, WAN,Wi-Fi, 5G, Wi-Max
Markup Languages	HTML, UML, XML
Statistical Tools	Matlab and SPSS
Smart Cities	Infraworks, Trimble Connec

PRODUCTS, PROJECTS & SERVICES

Over the years I have invented, designed, developed, managed and evaluated a number of products, projects and services (see table below for details).

Name	Title	Notes
RoboBIM	A Gamificative Mobile Asset Information Management for BIM applications	University of Nottingham Ningbo China where I 2022 was the Inventor, Project Manager and Project Consultant
		Lishe International Airport in collaboration with 2021 MIT - Ningbo Institute for Supply Chain Innovation where I was the Project Initiator, Project Manager and Project Consultant
	A refurbishment improved information modeling approach through Virtual Reality to	University of Nottingham Ningbo China - Estate 2020 modeling approach through

	support decision making. An Integrated and Intelligent Campus	Virtual Office and won AEC Hackathon 2020 where I was Reality to support decision making the Project Initiator, Project Manager and Project Consultant.
Architecture Intelligent Design based on Gamification		Jingwei Engineering Design Co. Ltd I was the 2019
	Integration AIM/GIS/BIM and Meetings	Scottish Future Trust, available at https://bi 2017 Development of Collaborative Culture portal.scottishfuturestr I was delivery member and in Meetings. I was delivery member and in Meetings lead those 2 tasks to support construction projects design – delivery – handover – operations
BIM Greek Dictionary		BIM Excellence, available at https://bimdictionary.com/ Australia - Greece
Crowdfunding and BIM		Anglia Ruskin University, United Kingdom
Integrated Collaborative Environment to support the decision making for Hospitals		Royal Society of Chartered Surveyors and Anglia Ruskin University, United Kingdom where I was the Co-PI and IT Project Director
Integrating UML and BIM for redesign		University of Portsmouth - Know now, United