

# BIMcert - Digital Skills to Reduce the Energy Footprint in the Built Environment

## Speaker & Partner Bio's



### BIMcert Conference

We are delighted you could join us today for the BIMcert - Digital Skills to Reduce the Energy Footprint in the Built Environment conference.

BIM is a modern digital technology supporting the sustainability targets of the construction sector, and with increased efficiencies being proven throughout all areas of the construction lifecycle, companies are increasingly valuing the benefits of BIM training and investment.

This booklet is a breakdown of bio's from the speakers of the conference, along with the BIMcert partner bio's. All of the presentations from today as well as, BIMcert Newsletters and this booklet are available on [www.platform.energybimcert.eu](http://www.platform.energybimcert.eu)



### BIMcert Project Partners



## Marie-Thérèse McGivern, Principal and Chief Executive, Belfast Met

Marie-Thérèse McGivern began her career as a teacher in further education. In the 90s, she moved to develop policy for the youth service in Northern Ireland and in 1995 joined the Civil Service as a secondee to the Urban Regeneration Initiative, Making Belfast Work. In 1999 she joined Belfast City Council as Director of Development.

In November 2009 she returned to further education and became Principal and Chief Executive of Belfast Metropolitan College, the biggest further education college in Northern Ireland.

Marie-Thérèse has recently been appointed the Chair of Titanic Foundation Ltd and is the Chair for the Employability and Skills Advisory Board for the £10b Belfast Region City Deal. She is also a Non-Executive Director of the Strategic Investment Board for Northern Ireland, the WorldSkills UK lead for Northern Ireland and is a Fellow of the City and Guilds of London Institute.



## Martin Lennon FCIOB BSc C.Eng MIEI, Managing Director, O'Hare McGovern

Marie-Thérèse McGivern began her career as a teacher in further education. In the 90s, she moved to develop policy for the youth service in Northern Ireland and in 1995 joined the Civil Service as a secondee to the Urban Regeneration Initiative, Making Belfast Work. In 1999 she joined the Belfast City Council as Director of Development.

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## Gordon Sutherland, Head of Sector, EASME, European Commission

Gordon Sutherland, is Head of Sector Buildings & Heating/Cooling in the EASME Horizon 2020 Energy Unit since 2018. The sector is responsible for managing the buildings and heating/cooling topics, including Construction Skills, from the Energy Efficiency Calls for Proposals of Horizon 2020, the EU Research and Innovation Programme. Previously he has been responsible for the technical input to the EU-China dialogue with the Chinese Ministry of Housing and Urban and Rural Development on energy performance and quality in construction and Senior Project Adviser for energy-efficient buildings, working mainly on market uptake projects supporting transposition and implementation of the Energy Performance of Buildings Directive.

He has worked on the construction of the Athens 2004 Olympic Games as supervising mechanical engineer for the Olympic Village (Social Housing Estate) and site manager for the construction and operation of the Athlete's Training Complex. He worked as a researcher at the Greek Centre for Renewable Energy Sources (Passive Solar and Hybrid Systems Programme) and the University of Athens (Group Building Environmental Studies). He started his career in energy efficient buildings in the United Kingdom, working on energy audits in buildings and industry after graduating from with an M.Sc in Energy Conservation and the Environment from Cranfield Institute of Technology, United Kingdom.



## Vlatko Ivanov General Manager of Civil Engineering Institute, Macedonia, JSC Skopje

Vlatko Ivanov was born in 1971, Kavadarci, R. Macedonia, he graduated High School in the field of Physics. In 1997 he graduated at the Mechanical Faculty in Skopje, in the field of Thermotechnics and Thermoenergetics. He started his professional carrier in the project bureau of the Costruction Company "ADG Mavrovo EE Mavrovoproekt" where he worked as Designer of Projects for significant structures in Macedonia and abroad in the field of Thermotechnics and Thermoenergetics.

From 2000 until present, he works in the Civil Engineering Institute" Macedonia" JSC Skopje where beside he works on designing, he has also performed work tasks in the field of Supervision during construction of structures, Review and he performed many technical acceptances. During his designer career he had done over the 80 projects for the energetics instalacion in the fascilitis, over the 100 revisions of the project and for more than 60 fascilitis he was the supervisor in the process of construction.

### Memberships in the professional organizations

- Member of the TC 22 (technical comite in the standardizations Body, Republic of Macedonia)
- Member the Chamber of Certified Architects and Certified Engineers of the Republic of Macedonia
- Member of the Engineering Chamber of the Republic of Montenegro

### Awards

In 2015 by the Chamber of Certified Architects and Certified Engineers of the Republic of Macedonia has been awarded the Annual Award for Excellent Contribution to the Mechanical Engineering Named after Prof. Dr. Ilija Cherepnakovski

During his career he gained additional knowledge by successfully completing educational programs;

- In 2014 year Advanced management techniques for top management (TOPLIF) by Adizes, organized from the Prof.dr.Leonid Nakov
- During the 2017 Professional Program for Sustainable Leadership as part of the Erasmus + of EU in organisation of ;
  - Faculty of Economics at Ss. "Cyril and Methodius" Skopje;
  - Institute for Research in Environment, Construction and Energy, Skopje;
  - Faculty of Economics, University of Ljubljana, Slovenia;
  - Institute of System Science, Innovation and Sustainability Research at the University of Graz, Austria;
  - Faculty of Economics, University of Kaunas, Lithuania

From August 2019 he act as the General Manager of Cilil Engenering Institute "Macedonia: JSC , company with 310 employees and annual turnover of 9 million Euros, The main business of the company is Design, Supervision, laboratory testing and Research.

## Dr James Harty, Copenhagen School of Design and Technology

James Harty lectures at KEA, Copenhagen School of Design & Technology. His PhD, researched "The Impact of Digitalisation on the Management Role of Architectural Technology", (OpenAir RGU).

James was instrumental in the schools' adoption of BIM in 2006, with the implementation of collaborative methodologies and in dealing with disruptive technologies. He has co-authored a book about this, "Getting to Grips with BIM", Routledge 2016. He sees BIM as instrumental in tackling climate change, sustainability, especially embodied carbon, and performance based design.



## Paul Surin, IBM, Global Lead BIM & Built Environment

Paul, who joined Wienerberger in May 2014, is a positive, proactive and results-driven senior professional with a highly successful track record in leading both internal teams and external strategies, consultants, delivering innovative and commercially favourable solutions to all technical, commercial and digital matters, coordinating packages of technical information and managing all other associated technical deliverables. Paul has gone from working for a small house-builder, throughout a medium size mechanical & electrical contractor, to a large developer (building over 1,000 units/year) and to a large international innovative manufacturer. Paul has an extensive knowledge of Digitalization, BIM/Virtual Design Construction, Lean Construction strategies & issues, construction design, management & advice (RESIDENTIAL/MULTI-COMPLEX RESIDENTIAL AND COMMERCIAL), , modern methods of constructions, manufacturing processes, renewable energy technologies & energy performance of existing and new dwellings as well as planning regulations.

Paul has a tally of industry qualifications and accreditations, including a full membership and a chartered engineer of the Institute of Engineering and Technology, a BSc (Eng) in mechanical and electronics engineering and an Eco-Building Design Postgraduate Diploma. Paul is a BREEAM Accredited Professional, BIM Level 2 Certified Practitioner (Project Information and Task Information manager), and a chartered member of the CIOB. Paul is Chairman of Construction Products Europe Digitalization & BIM Task Group, a Chairman of BIM4M2 and vice-chair of BIM4Housing, a member of Built Environment Executive at the Institute of Engineering & Technology, member of B/555 British Standards Institute and technical expert for CEN/TC 442 and ISO.



## Ms Maja-Marija Nahod, Deputy Minister for Construction and Energy Efficiency, Croatia

Assist.prof. Maja-Marija Nahod, Ph.D., Civ.Eng. has 15 years of working experience as an engineer, lecturer, and consultant. After focusing on engineering sciences, she turned to management and leadership.

The doctoral thesis on the impact of the competent managing the changes on project success was a great basis for a further carrier. Nowadays, she is an active participant in introducing better work productivity and digital transformation in the construction state administration, on behalf of the Ministry of Construction and Physical Planning in Croatia. She is co-author of more than fifty scientific and professional publications on project management, law, and productivity in construction, as well as competencies in managing projects.

The spectrum of learned in the private, public and academic sectors enables her to have a broad view of the construction industry and its development. Her daily activities include defining sustainable standards for the construction industry and entrepreneurs. Partly, she is responsible for initiating and implementing policy in the construction industry of Croatia. Besides, she exchanges learned with students and employees all the time.

She is passionate about the construction profession politics and its success, where BIM, energy efficiency and housing solutions are the main targets.

The main drivers for such a success are people - the employees who make one-step further every day and allow growth and development along with changes.



## Prof. William Hynes, Managing Director, Future Analytics Consulting, Dublin

Prof. William Hynes (BSc, MRUP, MSc, MSc (Econ), PhD, MRICS, MSCSI, MRTPI, MIPI, MCILT) is a Chartered Urban Planner, a Chartered Surveyor, Urban Economist, and a founder (2010) and managing director of Future Analytics Consulting Ltd.

William has extensive experience leading significant critical infrastructure planning and development projects, and providing expert advice to public and private sector clients in the following areas: strategic spatial planning, transportation and infrastructure planning, demography analysis and population projection, economic, socio-economic, housing, commercial, health, retail analysis and forecasting and infrastructure planning.

Since 2011, William has been successful in winning 15 European Commission (EC) Seventh Framework Programme (FP7) and Horizon 2020 (H2020) Applied Research and Technological Development (RTD) Programme Projects both as a consortium partner and twice as the lead coordinator. These awarded projects have secured over €30m EC funding, and this has resulted in William being twice awarded as 'Irish Champion of EU Research and Development' by the Irish President and Enterprise Ireland.

William is a visiting Professor in the College of Business and Law at University College Cork, and a visiting lecture at University College Dublin and Dublin Institute of Technology.



## Barry Neilsen, Chief Executive, CITB, Northern Ireland

Barry has a Civil Engineering background, starting work as an apprentice draughtsman and progressing to complete a BSc in Civil Engineering and becoming a Chartered Civil Engineer and a member of the Institution of Civil Engineers.

He has progressed from a technical to managerial capacity within the construction industry within the Consulting Engineering sector, progressing to a focus on developing others within, and for a period outside, the sector.

Barry joined CITB NI in May 2010 and before that was the Skills Director – Scotland & Northern Ireland for Cogent, the Sector Skills Council for Chemicals. Prior to this he held the position of Director in Scotland for the Chartered Institute of Building and Deputy Director for NHBC in Scotland.



## Elisabeth O'Brien, RDI, Limerick Institute of Technology (LIT)



Elisabeth O'Brien is a Chartered Architect (RIAI) and Sustainable Energy Engineer, previously managing an architectural practice for 17 years by specialising in the design and construction of sustainable retrofitting and new builds. As the Project Support Officer within Development Unit and the Centre for Energy Efficiency and Deep Decarbonisation [CEEDD] at Limerick Institute of Technology, she coordinates and manages training and building capacity tasks for a number of EU projects (<https://lit.ie/rdi/development/energy>).

She has extensive experience in sustainable energy efficient design and project management within the construction sector and has a wealth of knowledge on renewables, energy auditing, sustainable techniques and technologies. She carries out various energy efficient Train the Trainer and e-Training courses, as well as presenting at various Energy and Sustainability forums in Ireland and across Europe. Lis is involved in a number of BIM and NZEB expert panels including the National Specifications Skills for NZEB in Ireland and have developed a number of NZEB courses for Craftworkers with WWETB (Waterford Wexford Educational Training Board). Lis is also an active member of the National Standards Authority for Ireland, NSAI e-committee.

## Dr Avril Behan, Technological University Dublin, (TUD)

Dr Avril Behan, FSCSI, FRICS, is the Director & Dean of the College of Engineering & Built Environment at Technological University Dublin. Avril qualified from DIT's Geo-Surveying Diploma in 1994. In 1998, she gained an MSc in Remote Sensing, Digital Image Processing & Applications from the University of Dundee.

In 2012, she graduated from Trinity College Dublin with a PhD in the application of Geomatics Techniques to the study of Architectural History. Avril is a Chartered Geomatics Surveyor and has worked in Switzerland and the Netherlands in areas of photogrammetry and remote sensing. Avril is a Director of Lean Construction Ireland, a member of the Royal Irish Academy's Geosciences and Geographical Sciences Committee, and Chair of the Society of Chartered Surveyors' Bim Working Group.



## Anna Moreno, ENEA, Italian National Agency for New Technologies, Energy and Sustainable

Anna Moreno is a senior project manager at ENEA, the national Italian Agency for energy and sustainable economic development.

She has developed the ENEA e-learning platform to promote the technological transfer from the researchers to public administration and enterprises.

She is member of the technical scientific committee at ENEA and is President of the Italian chapter of BuildingSMART international. She has been the coordinator of two Italian projects within the Buildup Skills initiative and she is now the coordinator of net-UBIEP project to promote the use of BIM to increase the energy performance of new and existing building throughout the life cycle of a building.

## Paul McCormack, Project co-ordinator, Belfast Met - Lead Partner

A research & innovation specialist Paul has many years of experience in co-ordinating international projects. He has extensive skills and experience in delivering all types of project impact and managing the challenges involved in the leadership of collaborative research projects. As an innovation facilitator Paul has played a central role especially in technology transfer, spanning science and industry, creating value and delivering commercial results. He has an exhaustive knowledge of the expectations of the European Institutions and of the requirements of high-value collaborative projects.



He is the project co-ordinator on the H2020 BIMcert project which seeks to digitalise processes and transform the building industry. A qualified building workforce is vital if the EU is to reach its energy and climate targets. Belfast Metropolitan College are leading the way with the BIMcert project which seeks to improve the skills of middle and senior level professionals and blue collar workers in the area of sustainable energy efficient construction.

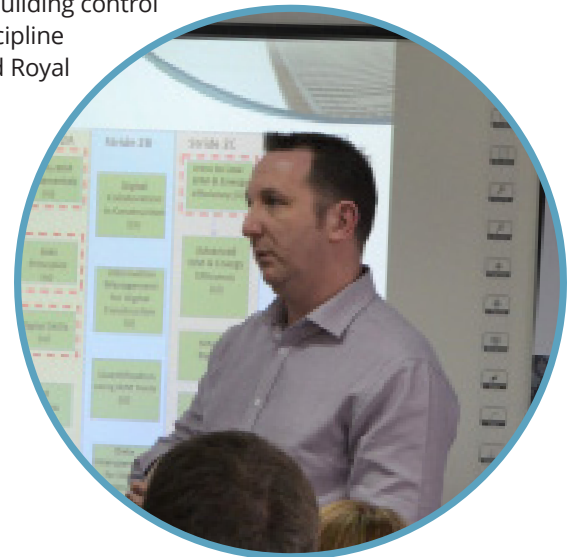
Paul is also currently managing several international R&D projects including the GenComm project and the BIMcert project. The Interreg North West Europe funded GenComm project led by Belfast Met is seeking to address the barriers preventing the greater integration of renewables into our energy matrix and to navigate a new energy pathway to energy security. GenComm (GENERating energy secure COMMunities); is a Smart Hydrogen, Integrated renewable energy, generation and storage project designed to develop a new model for exploiting generated electricity from renewable sources to provide energy security for remote communities.

## Andrew Hamilton, Course Director & Lecturer, Architectural Technology, Belfast Met

Andrew Hamilton BSc (Hons), BArch, PGCFHE is a fulltime lecturer in Belfast Met and experienced Chartered Architect. Prior to commencing with Belfast Met Andrew was an associate director in architectural practice, with a wide range of experience of architectural design. He was responsible for the preparation of architecture projects from concept to completion including concept development, planning & building control application, and site delivery, both individually and as a leader of multidiscipline teams. Andrew is a member of the Architects registration Board (ARB) and Royal Institute British Architects (RIBA)

He is Course Director for the Foundation Degree Science in Architectural Technology, with over 20 years' experience of CAD combined with his professional experience in Architecture and Construction Andrew is actively involved in the development and delivery of BIM and Construction courses. He has delivered bespoke business support training in CAD and BIM, tailored to respond directly to business needs such as:

- OCN Level 4 Building Information Modelling (REVIT) for Construction;
- FdSc Architectural Technology, including Consortium Chair of Revalidation Committee (2017)
- FdEng Civil Engineering and HLA Civil Engineering, CAD and BIM
- FdSc Planning Property & Housing



## Eduardo Rebelo, Lecturer Architectural Technology, Belfast Met

Experienced RIBA Chartered Architect, part-time lecturer in both Belfast Metropolitan College and Southern Regional College.

With extensive professional experience in Architecture, responsible for Architecture and projects, from conception to completion stages, including concept development, planning & building control, tender and site delivery. As well as Urban planning, 3D & Multimedia and BIM.

Eduardo is actively involved in assisting curriculum development and delivery of BIM, Architecture & Construction, CAD, and Media courses, in BMC. Including for example:

- OCN Lev3 Award/Certificate in Digital Construction with BIM
- OCN Level 4 BIM (REVIT) for Construction;
- Fd Degree in Civil Engineering
- Fd Degree in Architectural Technology with sustainable design
- Foundation Degree in Mechanical Engineering
- HND Multimedia Production- Interactive Media & Games
- reagh Concrete CAD Academy
- C&G Level2 and Level3 CAD

Eduardo also involved in industry engagement and vocational training, delivering bespoke business support training in BIM, CAD, Product design, and Multimedia. Prior to joining BMC, Eduardo worked as a project architect for several architectural practices (both Portugal and N.I) being in charge of Architecture projects from concept to completion, 3d modelling visualisation and partially involved in marketing roles within those practices.

Eduardo is a member of:

- Ordem dos Arquitectos Portugueses (OARS),
- Architects registration Board (ARB)
- Royal Institute British Architects (RIBA)





## Dr Barry Mc Auley, Technological University Dublin

Dr. Barry McAuley is a Chartered Construction Project Manager and full-time lecturer in Digital Construction and Engineering within the School of Multidisciplinary Technologies at Technological University (TU) Dublin. This role involves the teaching and development of new academic programmes within architecture, engineering, and construction (AEC) analytics, Building Information Modelling, and Digital Construction related courses.

He is also the current programme chair for the MSc in applied BIM and Management course. Prior to his current position, Barry spent a number of years working in the construction and facilities management sector, which enabled him to develop his managerial skills through employment in a number of diverse roles.

He completed a Ph.D. in 2016, which focused on using BIM to demonstrate how early integration of Facilities Management professionals into the design team can result in reducing life cycle costs. On completion of his Ph.D., Barry spent two years working as the primary postdoctoral researcher on the CitA Lead Enterprise Ireland funded BIM Innovation Capability Programme of Ireland. As a result of his research to date, he has had a significant body of work published through a combination of industry reports, conference proceedings and journal papers. This has resulted in Barry being named one of "Autodesk 40 under 40 Construction Champions of 2019" which acknowledges and recognizes extraordinary professionals under 40 years of age within the global AEC industry.



## Sarah MacLoughlin, BIM Co-ordinator and Architectural Technologist, Kavanagh Tuite Architects, Dublin



Sarah MacLoughlin joined Kavanagh Tuite Architects having qualified from the Dublin Institute of Technology in 2015 with a Bsc. Honours in Architectural Technology. In 2019 Sarah was appointed an Associate and BIM Manager at Kavanagh Tuite.

Sarah is part of a design team involved in planning, tender and construction phases of large multi-site, multi-building, data centre projects and projects at Dublin Airport. Sarah recently completed the three year part time MSc. Applied Building Information Modelling and Management at the Technological University Dublin, in which Sarah achieved a First Class Honours Degree.

## Prof. António Aguiar Costa, IST, Lisbon University

António Aguiar Costa is Assistant Professor at the Department of Civil Engineering and Architecture of the Instituto Superior Técnico, University of Lisbon. His major research interests are information management and integration in construction, BIM implementation and standardization and BIM-based e-procurement. Presently, he is the President of the Portuguese Technical Committee for BIM Standardization, Coordinator of the BIM task force of COTEC (National Association for Innovation), Specialist at CEN/TC442 (BIM European Standards) and member of the EU BIM Task Group supported by European Commission. Additionally, is an Independent Expert for the European Committee, participating on the evaluation of H2020 proposals and Technology projects.



As a Consultant, António Aguiar Costa works for companies and public organizations, defining and implementing the digital vision and the respective innovation processes, implementing BIM management procedures and BIM-based procurement frameworks.

António Aguiar Costa has published more than 20 papers on BIM, e-business and construction management and procurement and is the principal investigator in several research initiatives and projects.

## Toni Borković, Energy Institute (EIHP), Croatia

Toni Borković is a chartered architect, and is employed as a senior researcher at EIHP specialising in the energy efficiency of buildings. Recent activities he has undertaken include energy audits, the development of energy audit methodologies, the elaboration of innovative calculation methods for energy performance analysis of buildings, building sector analysis in Croatia and the region, the development of the National Energy Efficiency Action Plan for Croatia 2011 – 2013; research in the field of EPBD transposition in the region (Serbia, Bosnia and Herzegovina, Montenegro, Macedonia); definition of reference buildings in Croatia, requirements for cost optimal renovation of buildings and requirements for nearly zero energy buildings.

Toni Borković possesses significant experience in the design and management of low energy and 'passive' buildings, and other building types, as well as in project management and the design of energy refurbishment programmes for buildings. In addition, he is a Lecturer in the field of energy certification and building fabrics and physics in educational programmes for certified energy assessors in Croatia. Finally, he is himself a certified building energy assessor – Level 2 – for complex building technical systems. He is fluent in English and Slovenian language, understands German in the technical field of his expertise and Croatian native speaker.



## Dr. Sheryl Lynch , FUTURE ANALYTICS, Dublin (B.A, MMUS, PhD); Head of European Research

Sheryl is an experienced Project Manager and Researcher, leading FAC's European Research work in areas from sustainable construction to resilient transport. Sheryl manages delivery of a range of Horizon 2020 projects including BIMcert, PERICLES, FORESEE and +CityXChange.

Sheryl contributes to market penetration and exploitation strategies, trials and testing workshops, conducts qualitative research, and writes the resultant reports for the European Commission. She also manages the company blog and social media presence as well as leading the dissemination and communication portfolios for several H2020 work packages. Sheryl is passionate about research and skilled at coordinating multi-disciplinary research teams, pan-European consortia, and project managing strategies, feasibility studies and budgets.



## Dijana Likar, Institute for Research in Environment, Civil Engineering & Energy (IECE) Macedonia



B.Sc.Mech.Eng, Head of Energy Department in IECE; certified engineer for design, review of technical documents, supervisor of installation works and issue of certificate of approval, for mechanical equipment and installations in buildings, industrial and power plants.

Developed research and innovation projects for renewable energy sources improved application energy and resource efficiency of plants, innovative multi-criteria methodological approaches for evaluation of projects in energetics. Developed curriculum for professional courses for: technical, economical and regulatory aspects of energy efficiency implementation in technical designs; Complex Energetics EEER (environment, economy and regulatory demands in energetics)

## Malika Singh (Future Analytics) - Dublin

Ms. Mallika Singh (BA., MSc.) is a Research Officer at Future Analytics Consulting, with substantial qualitative and quantitative research experience and practical experience of different functions of management. Mallika qualified from Lady Shri Ram College for Women (University of Delhi) having majored in Political Science and completed a Master of Science in Business Management from Trinity Business School, Trinity College Dublin.

Since joining FAC, she is working on qualitative research, trials and testing, and stakeholder and community engagement for European Commission H2020 projects in the domain of resource efficiency and Smart Cities. She also works with European clients in drafting proposals for Dissemination and Communication work packages for prospective H2020 projects. Mallika uses her interpersonal skills and academic acumen to achieve high quality results across FAC's portfolio of projects.



## BIMcert Project Partners

### Anne Artt, Belfast Met, Lead Partner

Anne is Operations and Communications Manager for Belfast Met's Horizon 2020 BIMcert project, and the Interreg NorthWest Europe-funded GenComm renewable hydrogen project. With over 15 years' experience in project management and marketing,

Anne has managed a range of high-value projects for funders including EU Interreg, EU Tacis, Department for International Development (DFID), UK Commission for Employment & Skills, and World Bank – working in the areas of international development, local economic development, enterprise and skills development. A Business & Languages Graduate, she has held Project Manager and Marketing Manager positions for both the private and public sectors.



### Peter Smyth, Belfast Met, Lead Partner

BelfastMet lead and expert in field covering all aspects relating to the effective financial management of European funded programmes. Over 24 years' financial expertise relating to effective financial and programme management, budgetary control, design of bespoke reporting systems and financial analysis.

Key financial roles have included management of the management accounts function, financial business partnering, financial analyst, as well as programme and financial management of substantial, externally funded, multi-partner collaborative networks.

Proven track record demonstrated by the successful financial management of over 75 European funded programmes and special initiatives, as well as successful programme management of many complex substantial multi-partner projects led by BelfastMet.

In my current role I am currently the international finance manager responsible for both the €9.4m multi partner GenComm programme, funded by Interreg NWE, and the €1.25m multi-partner BIMcert programme, funded by Horizon 2020, both led by BelfastMet.

Qualified to ILM Level 7

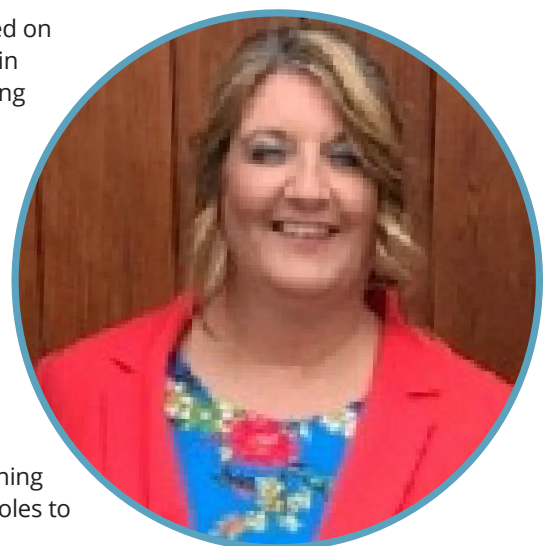


### Gayle Beckett CITB, Northern Ireland

Gayle Beckett, an experienced Project Manager with CITB NI, has worked on an extensive range of projects including a funded EU Leonardo Project in Sustainable Construction and other funded Government Funded Training Initiatives.

Gayle has managed, organised and promoted employer and careers engagement events, along with the careers ambassador team; scheduling and ensuring construction representation. Achievements include NVQ Level 7 in Strategic Leadership & Management (Oct 2019), NVQ Level 4 in Learning & Development (August 2009) along with the ICT Education Teaching Principles & Practice Skills (May 2007) & HNC in Business and Finance with the University of Ulster (June 2004).

Gayle previously worked within the Banking/Finance Sector, prior to joining CITB NI in February 2002, developing from administrative supervisory roles to a managerial position, in March 2010.



## Angelina Taneva Veshoska - IECE, Macedonia

Director of Institute for Research in Environment, Civil Engineering and Energy – IECE. She has a PhD in management, with background in psychology and psychotherapy, and is a trainer of trainers for adults, trainer for career counsellor and career counsellor. Her PhD topic was: 'The Influence of Emotional Intelligence on leadership'. She has 14 years of experience working as professor in higher education institution and trainer in adult education organisations, with great experience in developing curricula, managing and coordinating educational projects, curriculum development and implementation of trainings. Prof.

Taneva-Veshoska has experience and extensive knowledge in preparation and implementation of methodology for identification and preparation of adult education programs according to the labour market needs, developing teaching materials for adult education programs. Her speciality is personal development of people, through training and coaching. Her training topics are: Emotional and spiritual intelligence, Mindfulness, Leadership and Organisational Behaviour.

Also, she was involved in establishing Training center in companies, developing and implementing lifelong learning courses according to the needs of the employees, career and professional development of employees; developing and implementing mentoring and internship programs in companies.

She has experience in project management (responsible for management timely implementation of national and international projects, responsible for planning, implementing and supervising the project activities, efficient use of project funds, training and coaching project staff). She is a co-author of two books: Business communications and ethics and Leadership.



## Paulo Carreira, IST Portugal

Paulo Carreira is a Senior Lecturer of Software Engineering and Database subjects at the CSE Department of IST, a Senior Researcher at INESC-ID, and co-founder of Sensei Tech.

Paulo's work focuses the agile creation of highly modular software for real-time data-intensive applications. He has become one of the leading authorities in the fields cyber-physical systems, sensor data integration, and their applications to Energy Management, now counting over 50 publications (18 in top tier International Scientific Journals) and 40+ MSc students brilliantly advised. He has worked as researcher on several EU-funded projects and as PI of R&D projects with industry. Before joining academia he worked 10 years in industry on a number of high-visibility data integration projects serving both in technical and managerial roles. More recently, Paulo has brought his passion and experience to create an amazing product at Sensei Tech that is changing the way retail industry operates.

Paulo has served as a senior researcher at multiple national and EU-funded research projects on Big Data, Real-Time and Sensor Data Processing. He was the organiser of two editions of the IT4Energy Int'l Workshop and the co-organizer of the DSM-TP 2013 and 2014 Int'l Summer Schools. He has led industry-funded projects on data integration for Building Information Models. He has been elected a Committee Member for the IC1404 "Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS)" EU COST Action. Paulo is also a Senior Member of the IEEE. Research Gate profile: [https://www.researchgate.net/profile/Paulo\\_Carreira](https://www.researchgate.net/profile/Paulo_Carreira)



## Leila Luttenberger, EIHP, Croatia

Leila Luttenberger has experiences in implementing and managing various EU funded projects from H2020, Interreg Central Europe, Interreg Mediterranean, Interreg Italy-Croatia and LIFE Programmes. She has a background in data analysis for building consumption data, demand side management, KPIs development, analysis of national and EU funding programmes for energy efficiency and RES investments, CF calculation for organisations, development of manuals for energy management and energy efficient measures in public buildings. She is a co-author of few professional papers on energy efficiency, climate change mitigation and environmental governance.

She holds a MSc degree in Power Engineering from Engineering Faculty of the University of Rijeka, and she is a PhD student at the Faculty of Electrical Engineering and Computing at the University of Zagreb focusing on the demand response potential of households and buildings. Her native language is Croatian; she completed elementary and high school education in Italian language, and she concluded an advanced course of English language at the University of Cambridge.

