About the Contributors

Jason Underwood is currently a lecturer in Construction ICT and Director of PhD Programme within the School of the Built Environment at the University of Salford (UK) and Manager of Construct IT For Business - an industry-led not-for-profit making collaborative membership-based network, comprising leading edge organisations representative of the construction industry supply chain in addition to professional institutes and R&D/academic institutions, whose aim is to improve industry performance through the innovative application of IT and act as a catalyst for academic and industrial collaboration. Background is a combination of civil/structural engineering and IT with more than ten years research experience in the area of concurrent engineering, integrated and collaborative computing in construction, integrated project databases, product modelling, Building Information Modelling, process modelling through involvement in both UK and EU funded research projects. Other areas of research interest include organisational e-readiness, delivering strategic business value from IS/IT, BIM & Geospatial Information Systems (GIS) integration, Virtual Prototyping for Off-Site Manufacturing. Dr Underwood leads the IT Implementation & Innovation module on the MSc IT Management in Construction programme which delivers a new dimension to the course in the concept of measuring IS/IT success, organisational readiness gap, and maturity of organisations. In addition, he also lectures on the concept of integrated and collaborative computing in construction.

Ümit İşıkdağ is currently a lecturer in Department of Management Information Systems at Beykent University (Turkey), he completed his PhD at University of Salford (in 2006) on the Integration of Building Information Models with Geospatial Information Systems (GIS), and MSc at University of Greenwich (in 1999) on Web Based Expert System Applications in Construction Industry. He holds a BSc (Hons.) in Civil Engineering from Balikesir University (Turkey). Dr. İşıkdağ is currently working in the areas of Construction Informatics, 3D GIS and Enterprise Systems Integration. His research interests include, Building Information Modeling, 3D Geospatial Modeling, Storage of 3D Geospatial Information Models, Integration of Building Information Models with Geospatial Information, Information and Software Integration, Service and Resource Oriented Architectures (SOA/ROA), ICT Strategies for Construction Industry, Enterprise Information Systems (including ERP), Enterprise Application Integration, Management Information Systems, System Development Techniques and Methodologies, Design Patterns, Patterns for Collaborative Working Environments, Object Databases, Model Mapping, Semantic Web, Process Mapping, E-commerce and E-learning.

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Alias Abdul-Rahman: Currently he is a Professor of 3D GIS and academic staff member of the Department of Geoinformatics, Universiti Teknologi Malaysia. He received his PhD and MSc from University of Glasgow, UK in 2000 and ITC the Netherlands in 1992 respectively. 3D GIS is his main research interest and has produced two books with Springer Verlag on 3D GIS. He also gives lecture at Stuttgart University of Applied Sciences, Germany, Yildiz Technical University, Istanbul, Turkey, TU Delft, The Netherlands,
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Nenad Čuš Babič was born on May 4th 1970 in Maribor, Slovenia. He has received his BSc in MSc degrees from University of Maribor, Faculty of Electrical Engineering and Computer Science. Before joining the Faculty of Civil Engineering at the University of Maribor, he worked at several companies in software industry. From 1998, he is working at the Faculty of Civil Engineering as researcher and teaching assistant and from 2007 as senior lecturer. From the beginning of 2007 he is a head of Construction Informatics Centre (CIC), responsible for management of research and development projects. During his stay at the Faculty of Civil Engineering he is constantly involved on projects related to information support of model based working and integration of construction processes. He has been involved in several European projects in 5th and 6th Framework programs (DATELINE, VeloInfo, Spicyles, InPro). On national level he has also been involved in development of electronic toll system and aeroplane tracking system supporting hail defence.

Reza Beheshti is Associate Professor of Design and Building Informatics at Delft University of Technology, Department of Building Technology. He obtained his PhD from RCA in London in Design Research in 1981. Prior to this PhD research period, he worked for a large Architecture and Engineering Consultancy as the Chief Architect. His specialisations are in Advanced Design Systems, Building Informatics, Parametric Design, Construction IT, Process Innovation, eLearning and Design Methodology. He has authored numerous papers and books in these fields and has participated in a number of national and European research projects.

Mark Bew is currently Director of Business Information Systems at Scott Wilson Group. He has a track record of delivering successful process and technology driven business change programmes from within the Engineering and Construction industry; these include the development of CAD and Building Information Modelling systems and the integration of engineering and commercial processes. He is a Chartered Engineer with strong technical and commercial skills, a BSc (Hons) in Computer Science, a member of the British Computer Society and Chairman of buildingSMART (UK). Mark was previously Business Systems Director at Costain Group plc, and has held a number of positions with John Laing, Kvaerner Construction and GEC Avionics.

Jürgen Bogdahn – born 1979 in Stuttgart, studied Surveying and Geoinformatics at HFT Stuttgart-University of Applied Sciences, Germany and graduated in 2006 with a graduate engineer’s degree. He worked as a research assistant in the INTERREG IIIb funded EU project VEPs (Virtual Environmental Planning System) where he was involved in developing a 3D data management framework. Currently Jürgen is working at HFT Stuttgart in the MoNa3D project on a system using 3D urban models for visual navigation support on smartphones, funded by the German Ministry for Education and Research. His main interests are flexible and efficient data management systems for digital 3D models as well as 3D data integration. Jürgen is currently doing his PhD on procedural façade texturing for 3D city models at Salford University which also covers a further research interest: 3D visualisation of urban environments.

André Borrmann studied Civil Engineering with emphasis on Construction Informatics at the Bauhaus University Weimar and received his master degree in 2003. He continued his studies at the Chair for Computation in Engineering of the Technische Universität München where he received his Ph.D. in 2007. Since 2006 he acts as head of the Construction Informatics Group at this chair and is involved in several national and international research projects. His professional interests are in semantical and geometrical modeling of buildings and roadways, computer support for collaborative work, construction process simulation, building lifecylce managment and pedestrian dynamics.
About the Contributors

Ljiljana Brankovic holds a Bachelor Degree in Electrical Engineering from the University of Belgrade and a PhD in Computer Science from The University of Newcastle. For the last 15 years she has been with The School of Electrical Engineering and Computer Science, The University of Newcastle where she taught extensively into Computer Science and Software Engineering Programs. Her main research interests include data security, statistical disclosure control, privacy preserving data mining and discrete mathematics. Ljiljana is currently the chair of ACS National Committee for Computer Security.

Olcay Cetiner: Having the background in architecture in Yıldız University, she continued with the certificate programme (1989) of construction business administration in Istanbul University and completed MSc (1995) and PhD (2004) in Architecture/Construction field in Yıldız Technical University. After her professional career, her academic career held in Yıldız University since 1991 includes educational and tuition works consisting of conducting classes, practical classes, internships within the disciplines BOAT-CBS laboratory, Structural Elements and Materials discipline, and Building Construction discipline, Developing Laboratory/Sound and Visual Processing Unit; besides all the academical duties and activities some of which are; participating in organization committees and consultancies of congresses, organizing seminars/panels/workshops, student club foundations, participation in research projects. Conveyed with articles, papers, conference presentations and seminars; some of her main research topics are Material Management Model for Small sized Construction Firms, Management Model with Integrated System in Architectural Software. Main research interests are Computer Aided Architectural Design, Geographic Information System, Project Management Software and Building Information Modeling.

Edwin Dado is Associate Professor at the Netherlands Defense Academy. Prior to his current position, Edwin Dado obtained his PhD in Construction IT from Delft University in 2002, where he was appointed as Assistant Professor. Prior to this PhD research period, Edwin worked for a large engineering company in the Netherlands as head of the GIS/Informatics department for five years. His specializations are in Construction IT, process innovation and construction management and authored over forty papers in these fields. He also participated in number of national and European research projects.

Fernández-Solís graduated with a Ph. D. from the Georgia Institute of Technology on integrated project delivery systems and sustainability, has a published book, a seminal article on the complexity of the building construction industry, over 16 international and 6 national peer reviewed publications. Dr. Solís’ interests are in inter-operable technology applications with practical impacts in the construction industry. Dr. Solís’ areas if interests are: natural sustanable environments as model for artificial environments, lean construction integrated project delivery systems and applications and BIM platforms. Dr. Solís’ teaches sustainability, capstone courseses, materials and methods, advanced project management, and theory of inquiry courses among others.

Alex Gerrard graduated from the University of South Australia with a Bachelor of Construction Management and Economics with Honours. Alex is currently practising as a Quantity Surveyor with Rider Levett Bucknall and also lectures in Quantity Surveying at the University of South Australia. Alex’s primary interests are innovative technology, and managing interdisciplinary relationships in changing environments.

Wim Gielingh is Senior Researcher at Delft University of Technology, Faculty of Civil Engineering and Geosciences. He conducts research and advises in the area of design and construction processes and information technology for building and civil engineering. Before joining Delft University in 2006, he has worked as a business consultant at CAP Gemini, and before that, as a (senior) researcher at TNO, where he was involved in several EU-project, for example as project manager of PISA.
**Ning Gu** is a lecturer in the School of Architecture and Built Environment at the University of Newcastle, Australia. He researches in the broad areas of design computing, particularly, in generative design systems, virtual worlds and BIM. Ning is a pioneer of applying leading-edge information technologies in design and learning, and has established an international collaborative design studio using *Second Life*. He has also designed and implemented a wide variety of collaborative virtual environments and applied them in his teaching and research in numerous Australian and international tertiary design institutions including the University of Newcastle, University of Sydney, MIT and Columbia University. He has published extensively in the field of design computing and design education. His career highlights include being the Research Leader of the Collaboration Platform project in the Cooperative Research Centre for Construction Innovation (CRC-CI), and the Chair for international conferences of CONVR 2009 and ANZAScA 2008.

**Andy Hamilton**: Director of the Virtual Planning Research Group at University of Salford and a member of the BuHu 6* research institute. His research is in the production of Virtual Environments for urban planning. In particular he has led the production of Web based interactive systems that allow urban stakeholders to access a wide variety of information across building and urban spatial scales. Currently leading technical development in the EPSRC SURegen project and BuHu's involvement in Save Energy. Previously responsible for software architecture development in the INTERREG VEPS project. He was also technical director of Intelecities (FP6), INTELCITY (FP5) and BEQUEST (FP4). He has published over 50 papers.

**Timo Hartmann** is an Assistant Professor at Twente University’s Construction Management & Engineering Department. In his research and practical work he integrates state of the art Virtual Design and Construction (VDC) technologies like 3D/4D modeling into the working processes of construction management and design teams. Timo believes that such integration is only possible under consideration of both technical and social factors. Timo received his Ph.D. from Stanford University where he was a student at the Center for Integrated Facility Management. His work has been published in Advanced Engineering Informatics, Journal of Construction Engineering and Management, Building Research and Information, and ITCON. He has worked in a variety of different practical and research fields, including design management, Finite Element software development and energy simulation of buildings.

**James Harty** is working on a part time long distance PhD at The Robert Gordon University in Aberdeen, looking at the impact of digitalisation on the management role of architectural technology. He is a full time senior lecturer at the Copenhagen School of Design and Technology, teaching construction architecture with an emphasis on integrated project delivery. He qualified as an architect from Dublin in 1983, and completed a masters there in 1988. He is married to Lene, a Dane, moving to Copenhagen in 1995. Finally he is Irish, 1958, left handed and has worked with CAD since 1983.

**Bob Hazleton** started in the steel business as a fabricator and welder. Since joining Herrick in 1994 he has served as Estimator, Operations Manager, General Manager and currently Vice President. Herrick is the largest steel contractor on the West Coast of the United States. Herrick is widely recognized as a leader in promoting lean construction and integrated project delivery methods.

**Goh Bee Hua** graduated from the Singapore Polytechnic in 1984 with a Diploma in Building. In recognition for her outstanding academic performance in the Diploma course, she was awarded the Certificate of Merit, as well as the Olivetti Prize. She embarked on the BSc (Building) degree course in 1985 and graduated with a Second Class Honours (Upper Division) in 1989. She was awarded the NUS Research Scholarship and the Equity and Merit Scholarship in 1991 and 1992, respectively, to undertake her Master's research study. In 1994, she was awarded the NUS Overseas Graduate Scholarship to pursue her Doctoral study in Build-
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ing Management at the University College London. She was awarded a Ph.D. by the University of London in February 1997. She has since contributed over 45 research articles to top peer-reviewed journals and top conferences in her field. She had participated in teaching executive development and postgraduate programs at two overseas universities in the region. In 2007, she had won the Outstanding Academic Achievement Award of the International Federation for Information Processing (IFIP), Technical Committee 8.9 on Enterprise Information Systems and Merit Award of the Standards Council of Singapore, under the auspices of the Standards, Productivity and Innovation Board (SPRING Singapore), in recognition of her meritorious service and contribution to the Singapore national standardization program.

R. Raymond Issa, Ph.D., J.D., P.E.  studied in the US and he graduated with degrees Civil Engineering and Law and did post-graduate work in computer science. He has lived and worked in Latin America, the Middle East and the US and he is multilingual. He believes that in the globalization of science and engineering and he is constantly working toward this goal. At the University of Florida, Raymond teaches courses in construction law, information technology, construction management and research methods. He is a Distinguished Rinker Professor and Director of the Graduate and Distance Education programs at the Rinker School. As such, he is actively involved in delivering educational opportunities to all corners of the world. Raymond has more than 200 publications, including books, book chapters, journal papers, and conference proceedings papers.

Murat Kuruoglu: Currently he is a professional construction manager and a lecturer of construction management department of Civil Engineering Faculty at Istanbul Technical University (ITU) in Turkiye. He received his MSc from Construction Management division at ITU in 1995 and PhD in the same university in 1998. Construction site, planning and scheduling, labor productivity by using IT are his research interests. He has produced seven books about those subjects which two of them are accepted as course books in most universities in Turkiye. He also gives lectures at ITU about site management, Construction planning and scheduling, construction management. He is highly experienced in scheduling and site management of metro tunnels, stadiums, airports, skyscrapers and motorways.

Richard Laing is a Professor at The Scott Sutherland School, RGU in Aberdeen. Since August 2009 he has been a principal member of the IDEAS research institute, leading thematic research on energy and sustainability. His personal research concentrates on the evaluation of public space and historic buildings, and has concentrated in recent years on the incorporation of computer visualisation in choice-based methodologies.

Yu-Cheng Lin is an Associate Professor of construction engineering and management at the Dept of Civil Engineering of the National Taipei University of Technology. He received the M.S. degree in the construction management program of civil engineering from the Polytechnic University, New York, USA and received PhD degree from the National Taiwan University in Taiwan (2004). His major research interests are the application of project management and information management in construction. His current research interests include construction knowledge management, project interface management, web-based project management system, IT technology application, automation, BIM application, and E-Commerce related topics. He has published several articles and papers on the role of academic support service in computer-based construction project management.

Professor Kerry London holds a Bachelor Degree in Science [Architecture] and Architecture and a Masters of Building from the University of Newcastle, as well as a PhD in Construction Management and Economics from the University of Melbourne, Australia. For the last 8 years she has been teaching extensively Architecture and Construction Management programs. Her main research interests include construction
supply chain theory and practice, design management and construction futures decision making. Kerry was the first female appointed as Chair in Construction Management in Australia. She wrote the seminal work “Construction Supply Chain Economics” published in the acclaimed invited Spon Research Series. She is currently the Regional Chair of the Chartered Institute of Building Education Panel and CIOB Vice President Australasia region.

Baris Lostuvali is a senior project manager with HerreroBoldt, a general contractor in San Francisco, California. Baris is a construction professional with hands-on experience on project management, estimating, scheduling, and virtual design and construction. Upon receiving his B.Sc. in Mechanical Engineering from Istanbul Technical University (Istanbul, Turkey), Baris began his career with the renovation of Philip Morris Tobacco Factory in Krasnodar, Russia. He obtained his M.Sc. in Project Management at Northwestern University (Evanston, Illinois). Over the past 13 years, Baris has worked on a wide variety of construction projects including preconstruction, new construction, and building renovations for healthcare, commercial office buildings and industrial facilities. Currently, he is practicing lean construction principles in CPMC Cathedral Hill Hospital Project in San Francisco.

Jay Love has been with Degenkolb since 1980 and is a Senior Principal of the firm. His twenty-five years of experience include structural design, seismic evaluation, and retrofit design. He has considerable expertise in designing specialized buildings such as healthcare facilities. Jay has overseen and served as project mentor on numerous healthcare projects for Kaiser Foundation Hospitals, Catholic Healthcare West, and Sutter Health.

Anita Moum holds today the position of a research manager at SINTEF Building and Infrastructure in Norway. She is responsible for the area of architectural research, and is among others involved in R&D related to sustainable building and the interplay between processes, people and technology. Moum graduated as an architect at the Norwegian University of Science and Technology (NTNU) in 1995. For around 10 years she has been working as an architect and project manager for several architectural companies in Munich. Her main field of experience is architectural design and management of large scale and complex building projects (e.g. the Terminal 2, Munich Airport). In 2008, Anita Moum completed a PhD-project with the title: “Exploring Relations between the Architectural Design Process and ICT - Learning from Practitioners’ Stories” at at the Department of Architectural Design and Management, NTNU. Moum has published a number of scientific articles and papers.

Ivan Mutis is an Assistant Professor in the department of Construction Science at Texas A&M University. His areas of research interests include interoperability, information technologies to support the integration of information, human computer interaction, and theoretical approaches for interpreting construction documents. Dr. Mutis obtained his PhD from the University of Florida.

Sander van Nederveen is Assistant Professor at Delft University of Technology, Faculty of Civil Engineering and Geosciences. He teaches and conducts research in the area of design and information technology for building and civil engineering. Before joining Delft University in 2005, he has worked as a researcher at TNO in the field of information technology for construction and as a systems engineer/configuration manager at the Dutch High Speed Link (HSL) project organisation.

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Norbert Paul is currently a postdoctoral research assistant at the Technische Universität München in Germany. From 2002 until 2007 he worked as a research assistant at the Institut für Industrielle Bauproduktion (ifib) at the architectural faculty of the University of Karlsruhe, where he carried out several BIM-related research projects. He also promoted there with the thesis “Topological Databases for Architectural Spaces” (in German). Prior to that, in 1996, he graduated in architecture at the University of Karlsruhe, and then entered a professional career as a software developer of CAD and GIS applications and also of control software for emergency power systems.

Ewan W. Peters is an experienced specialist in Geographical Information Systems (GIS) with over 14 years professional experience in the areas of GIS and information systems. As part of his professional career, Ewan has been responsible for designing and implementing GIS/database strategies on projects at an enterprise level across a number of sectors and within a number organisations. Often this is developed as part of a wider project information strategy including document management and CAD aspects as well. His experience has primarily been in the engineering/construction industry having worked on a number of major infrastructure projects using GIS technology as a tool during the design, construction and operations process as well as providing analytical outputs. Ewan is a Chartered Geographer (CGEOG GIS) and a member of the Association for Project Management (APM).

Peter Podbreznik, born in 1979, received the diploma degree in 2004 from the University of Maribor. He currently holds a position of PhD student at Faculty of Electrical Engineering and Computer Science and assistant at the Faculty of Civil Engineering, Maribor. His research interests are construction information technologies, segmentation algorithms at computer image processing, pattern recognition and computer vision.

Ernst Rank, born in 1954, studied mathematics and physics at the Ludwig-Maximilians-Universität Muenchen from 1974 to 1980. Having obtained his doctoral degree from the Faculty for Civil Engineering and Geodesy of the Technische Universität Muenchen in 1985, he became a DAAD fellow at the University of Maryland, College Park, USA until 1986. From 1987 to 1990 he held the position of senior scientist at the Corporate Research and Technology Department of SIEMENS AG in Munich. He was appointed professor for Numerical Methods and Information Science in Civil Engineering at the University of Dortmund in 1990 and has held the chair for Computation in Engineering (formerly Bauinformatik) at the Technische Universität Muenchen since 1997. His main areas of research are in Computational Engineering and the modelling of product and processes in civil engineering. He has published more than 240 papers in scientific journals, as book contributions and in reviewed conference proceedings.

Danijel Rebolj was born on August 27, 1956 in Maribor, Slovenia. He received his Diploma degree in civil engineering from the University of Maribor, Slovenia, in 1982, the MSc degree from the same university in computer science in 1989, and his PhD from the Technical University of Graz, Austria, in 1993. He got his first employment in 1979 at the University of Maribor, first as a technical assistant, then computer programmer and later researcher. In 1995 he founded the Laboratory for Computing in Civil Engineering. Between 1999 and 2007 he was vice dean for educational affairs at the Faculty of Civil Engineering. At present Danijel Rebolj is a full professor of Construction and Transportation Informatics at the University of Maribor and head of the Construction and Transportation Informatics Chair. He is also coordinator of the international postgraduate program in Construction informatics with partners from 9 European universities: University College Cork, TU Dresden, TU Delft, TU Graz, Lulea TU, Uninova Lisbona, Univ. Algarve, University of Ljubljana and University of Maribor. Member of the Society of Civil engineers and technicians of Slovenia and of CIB w78, and co-founder of the Slovenian society of Construction Informatics. Research interests involve issues on system integration, product and process modeling, mobile computing,
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web based collaboration and communication as well as application of other high potential IT in Architecture, Engineering and Construction.

**Martin Riese** is the Managing Director of Gehry Technologies in Asia. He graduated from the University of Toronto School of Architecture in 1986 and is a licensed architect in Canada and the United States. Martin has over 20 years of experience in professional architectural practice, having collaborated on numerous signature design and construction projects throughout the world. He is a Visiting Professor at Salford University in the School of the Built Environment and Adjunct Professor in the Department of Building and Real Estate at the Hong Kong Polytechnic University.

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**Willy Sher** is a Senior Lecturer in the School of Architecture and Built Environment, abd Assistant Dean for Teaching and Learning at the University of Newcastle, Australia. Willy’s research focuses on virtual environment, building information modeling, skills recording and development, and offsite manufacture.

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**Professor Martin Skitmore** completed his MSc and PhD at Salford University in the UK where he was a Professor and Director of Research and Postgraduate Studies. In 1995 he moved to Queensland University of Technology taking over the position of Head of the School of Construction Management and Property until 1997. He is currently Research Professor in the School of Urban Studies. Martin has been party to more than 20 successful research grant applications and has supervised 20 PhD and Research Masters students to completion. He has authored or coauthored several books and over 100 academic journal papers, mainly concerned with price and cost modelling, contractor and consultant selection, and various aspects of project management. Martin is former CoEditor-in-Chief of the Journal of Construction Innovation and a member of several leading journal Editorial Boards. Further details of Martin’s experience and publications can be viewed at http://www.bee.qut.edu.au/about/schools/urban/staff/quantity/mskitmore.jsp

**Yonghui Song** is an experienced researcher in the Virtual Planning Group mainly working on GIS applications, 3D Scanning and modeling and Web-based systems. Yonghui has 13 years’ industrial and academic experience in computer systems development in MS OS and Unix. His recent research interests are mainly in GIS application, 3D point clouds data processing, web based Geo-Spatial system architecture design and programming. Recent research projects Yonghui has been involved in include, Sustainable Urban Regeneration, SURegen(UK EPSRC funded, £2.5 Million, 2008-12), Virtual Environmental Planning System, VEPs(E109, INTEREG3b, €4.7 million 2004-8) and IntelCities(FP7 IP, €6.8 million, 2004-5) projects.
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Major Patrick C. Suermann is a graduate of the U.S. Air Force Academy with a B.S. in Civil Engineering. After serving as a combat and stateside engineer, he earned his M.S. in Construction Management from Texas A&M University and subsequently taught computer courses for engineers in the Department of Civil and Environmental Engineering at the U.S. Air Force Academy. Recently, he successfully defended his dissertation and received his Ph.D. in Design, Construction, and Planning at the University of Florida as the first ever Rinker Scholar at the M.E. Rinker, Sr. School of Building Construction. Currently he serves on the Air Force Center for Engineering and the Environment (AFCEE) staff as a MILCON Project Manager and BIM subject matter expert.

Ali Murat Tanyer studied architecture at Middle East Technical University (METU), Ankara, Turkey. After obtaining his MSc in Building Science he joined Salford University for his PhD studies in 2000. Upon completing his PhD studies, he returned back to METU where he is currently working as an Assistant Professor. His main research interests are in the area of Construction Informatics; particularly, integrated computer environments, 4D simulation, and visualisation.

Claudelle Taylor: After completing her Master of Arts from the University of New South Wales, Claudelle Taylor began her career in construction in 1999 at John Holland. Here she managed the development, implementation and management of online collaboration systems, paying particular attention to their use for information and process management on construction projects. In 2005 Claudelle was awarded the Peter Allen Memorial Award, which recognises the most outstanding individual in the John Holland Group. From John Holland, Claudelle moved to Nexus Point Solutions to manage an online collaboration application, Incite, at an industry level. As the General Manager, Product Marketing, Claudelle has focused on growing the current Incite suite of applications and harnessing emerging technologies. Claudelle is currently the project leader for the CRC for Construction Innovation on a Collaboration Platform which will allow multiple parties to work with Building Information Models.

Hongxia Wang is an experienced researcher in the Virtual Planning Group (VPG) of University of Salford mainly working on urban modelling and producing innovative systems for integrating and representing all forms of urban and environmental data. Her main expertises are data modelling/integration, BIM/CAD/GIS integration and 3D visualization etc. She has published two book chapters and six journal papers since
2005. During recent years, she have been involved in Sustainable Urban Regeneration, SURegen(UK EPSRC funded, £2.5 Million, 2008-12), Virtual Environmental Planning System, VEPs(E109, INTEREG3b, €4.7 million 2004-8) and IntelCities(FP7 IP, €6.8 million, 2004-5) projects.

George Zillante is Associate Professor and Head of Building at University of South Australia. He has qualifications in Architecture, Urban & Regional Planning, Building Surveying, Business Administration and Construction and has worked (and continues to work) at the professional level in those fields. Over the years George has done a lot of work in the field of Building Legislation and this has resulted in his appointment to many Government Committees including, inter alia, Chair of the South Australian Building Advisory Committee, member of the South Australian Development Policy Advisory Committee, member of several Australian Building Codes Board Committees as well as representing the Australian Construction Industry on the International Association for the Professional Management of Construction. This interest in Building Legislation led George to establish the Centre for Building & Planning Studies at UniSA in 1993 and has resulted in several research projects dealing with the impacts of legislation on development and, more recently on Bushfires and Government Policy responses to the impact of Bushfires and Organisational Change. George is also a member of several Professional Bodies (RICS, AIBS, AIB, ACCE etc) and serves on a number of Education and Accreditation Committees.

Jian Zuo has a PhD from the University of South Australia and a Masters degree in Engineering from Wuhan University, in the Peoples Republic of China. Currently he is a lecturer and researcher in the School of Natural and Built Environments His main research interests relate to the impacts of cultural factors and procurement approaches on the performance of construction projects and sustainability practice in the construction industry.