DETAILED PROGRAMME
(DRAFT)

Sunday 19 October

09.00 18.00	Exhibition / Poster Session Set-Up
18.00 19.30	Registration of Delegates
19.30 21.00	Welcome Cocktail

Monday 20 October

08.30 09.30	Registration of Delegates
09.30 18.00	Exhibition / Poster Session
	PLENARY SESSION
09.30	**Opening and Welcome Address** **Carsten Wredstrøm, ICEC - International Cost Engineering Council President** **Emanuele Banchi, AICE - Italian Association for Total Cost Management President** **Stefano Rossini, FAST - Federation of Scientific and Technical Associations President** **Authorities**
10.00	**Opening Session** Chairman: **Aldo Norsa, University IUAV of Venice, Italy** Times of Change: the Future of Professional Institutions in the Built Environment, **Alexia Nalewaik, ICEC/AACEI, USA** Co-Operation Between ICEC and IPMA on the Profession Development, **Mladen Radujkovic, IPMA, University of Zagreb, Croatia** Multi-Dimensional Building Information Models, **Claudio Benghi, Northumbria University, UK**
11.30	Coffee Break
12.00	**Session 1 - Total Cost Management: Stakeholders' Point of View** Introduced by **Nicola Costantino, Politecnico di Bari, Acquedotto Pugliese, Italy** An Experience Spanning from Construction to Engineering and Procurement, **Fabrizio di Amato, Maire Tecnimont, Italy *** The Legal-Economic Aspects of Project Management, **Andrea Rolando, Nyali Swiss, Switzerland** Adding Value through Design and Management, **Ignazio Carbone, Metropolitana Milanese, Italy**
13.30	Lunch

14.30	**Session 2 - Total Cost Management New Challenges** Introduced by **Joaquin Ordieres, University of Madrid, Spain** Re-Engineering the Process in a Major EPC Industrial Contractor, **Christos Dascas, Danieli Group, Italy** BIM Advanced Applications in a Major Developer/Contractor, **Marco Martegiani, Parsitalia General Contractor, Italy *** Competitive Advantage and Project Management, **Peter Fridman, NCC, Sweden**
16.00	Coffee Break
16.30	**Session 3 - Total Cost Management in a Changing World** Introduced by **Will Hughes, Coventry University, UK** Three Case Studies: Crossrail, London, **Steven Smith, Bechtel Corporation, UK *** Oil & Gas Major Projects – Project Delivery – New Countries Entry Perspectives, **Andrew Bensley, ENI, Italy** Shanghai Tower, **Jun Xia, Gensler, Shanghai ***
18.00	End of the Day

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Tuesday 21 October

08.30 09.00	Registration of Delegates			
09.00 18.30	Exhibition / Poster Session			
	PARALLEL SESSION 1 **Long Term Project Controlling**	**PARALLEL SESSION 2** **Strategic Project Decisions and Cost Controls**	**PARALLEL SESSION 3** **Methodologies and Quantitative Methods**	**PARALLEL SESSION 4** **Contract Management, Claim & Dispute Resolution**
09.00 11.00	Public Private Partnerships: Procurement Interventions; Financial Viability and Long Term Project Control **D. Hauptfleisch, M. M. Maléne Campbell, K. Kajimo-Shakantu, Dept. of Quantity Surveying and Construction Management, University of the Free State, South Africa**	Decision Making in Project Management and Business Management in Uncertain Conditions: a Synthesis for Translation of Qualitative Approaches to Quantitative Models **M. Arena, Siemens SpA, Italy** Causes and Effects of Construction Project Poor Quality in the South Africa Construction Industry	Cost Engineering and Compliance Pricing Analysis **P. R. V. Dias, Brazilian Cost Engineering Institute, Brazil** Systems Life Cycle Cost-Effectiveness: the Commercial, Design and Human Factors of Complex Engineering Projects **M. Pica, AICE, Italy**	Contract and Claim Management (CCM) Strategy and Organization Impact to Create Value **M. Stucchi, Siemens SpA, Italy** Comparing the Effect of Inadequate Documentation to the Cost Management & Tendering Processes in Managing Contractor & Fixed Lump Sum Contracts in Australia **C. Flentje, J. Zuo - Xiao-Hua Jin - Bo**

	Price Indexes Signalling Economic and Financial Imbalance **L. Kaluf, Petroleo Brasileiro SA, RJ, Brazil** Planning, Scheduling and Controlling Long Term Projects **G. di Castri, AICE, Italy** Controlling Long-Term projects - via Alternative Network Models **D. G. Ginzburg, Dept. of Industrial Engineering and Management, Ariel University, Israel**	**C. Aigbavboa, W. D. Thwala, Dept. of Construction Management & Quantity Surveying, University of Johannesburg, South Africa** Holistic View on Capital Projects **D. D. Fonseca, V. M. Oliveira, Management of Investment Projects, Petrobras, Brazil** Analysis of Causes of Non Value-Adding Activities Associated with Rework in the Ghanaian Construction Industry: a Case Study in Accra **E. K. Simpeh, B. M. A. Aidoo, M. O. Adow, S. Allotey, Dept. of Construction Management and Quantity Surveying, Cape Peninsula University of Technology, South Africa; Dept. of the Built Environment, Accra Polytechnic, Ghana**	Owner Cost Estimate Reviews **A. C. Hamilton, Project Management Associates LLC, New Jersey, USA** Parametric Cost Analysis and Estimation at the European Space Agency **P. Ponzio, P. Martino, European Space Agency, The Netherlands**	**Xia, School of Natural and Built Environments, University of South Australia, Australia** A New Legal Approach to Develop DAB (Dispute Adjudication Board) Procedure: a Critical Study of Effectiveness of the DAB **T. Perinpanathan, Dept. of Building Economics, University of Moratuwa, Bandaranayake Mawatha, Katubedda, Moratuwa, Sri Lanka**
11.00	Coffee Break			
	PARALLEL SESSION 5 **Challenges in Details**	**PARALLEL SESSION 2** **Strategic Project Decision and Cost Controls**	**PARALLEL SESSION 3** **Methodologies and Quantitative Methods**	**PARALLEL SESSION 4** **Contract Management, Claim & Dispute Resolution**
11.30 13.00	The Productivity of Steel Reinforcement Placement in Australian Construction **P. Forsythe, Faculty of Design Architecture and Building, University of Technology Sydney, Australia** Application of Cost Management Principles to Strategic Program Planning, Project Planning and Asset Management (an Australian Experience) **P. Cox, Principal of PCA Directions,**	Managing Logistics Cost – A Missing Piece in Total Cost Management **F. Ying, J. Tookey, School of Engineering, AUT University, New Zealand** The Role of the Quantity Surveyor / Cost Management Professional in PPP Projects **I. Oladapo, Partner, Murty International Ltd, Ilorin, Nigeria** Strategic Organisational Responses of	Using Earned Value Management (EVM) for Effective Cost Containment and Decision Making **G. Counts, EVG, Inc., USA** Analysis of Costs Variation in Project **R. M. Pontes, R. V. Pontes, Edu Work, Brazil** What has happened to Pareto: is Pareto's Distribution Really Useful to allocate Costs in the Construction Industry?	Beyond Project Control: Governing Contractor-Subcontractor Relationships to mitigate Subcontractor's Opportunism **O. F. Oladayo, O. Ogunsina, D. R. Ogunsemi, Dept. of Quantity Surveying, Federal University of Technology, Nigeria** The Use of Dispute Avoidance System as a Means of Cost Control Measure for Public Projects in Hong Kong **T.T. Cheung, Director, Aria &**

	Australia Total Cost Management: a Conceptual Model to Explain Organizational Conditions for the Application in the Enterprise! **A. Biffi, Dept. of Economic, University of Insubria, Varese, Italy**	Contracting Firms to Preferential Procurement Policies **K. K. Shakantu, Dept. of Quantity Surveying & Construction Management, University of the Free State, Bloemfontein, South Africa**	**F. Petrilli, P.D. Patrone, Civil Engineer, Dip. Scienze per l'Architettura DSA, Scuola Politecnica di Genova, Università di Genova, Italia**	**Associates Ltd./Adjunct Professor, Dept. of Real Estate and Construction, University of Hong Kong/Administrative Vice Chairman of ICEC/Past Chairman of Pacific Association of Quantity Surveyors (PAQS)/Past President of Hong Kong Institute of Surveyors (HKIS) and Past Chairman of the Surveyors Registration Board of Hong Kong, Hong Kong**
13.00	Lunch			
	PARALLEL SESSION 6 **Projects Global Control**	**PARALLEL SESSION 7** **From Project Control to Company Control**	**PARALLEL SESSION 8** **Estimating**	**PARALLEL SESSION 9** **Risk management**
14.00 16.00	Improving Certainty in Construction: the Need for International Standards **A. Muse, RICS, UK** PHYSICAL PROGRESS vs FINANCIAL PROGRESS: how to ensure Harmony between them for a Healthy Project **A. Da Silva, M. Alambert, FGV Management, Brazil** Application of TCM in an International Airport Project **R. Wei, Yu Lei, Cost Sector, China, Hefei, Anhui Guo Hua Construction Engineering Project Management Co. Ltd., China**	Re-Engineering Project Budgeting and Management of Risk **C. H. Cropley, Risk Integration Management Pty Ltd. (RIMPL), Australia** Railway Infrastructures: New Investment and Cost Management System at "Rete Ferroviaria Italiana" **P. Guida, A. Antonelli, M. Giovanniello, G.L. Sforza, Rete Ferroviaria Italiana, Direzione ICT, Italy**	The Accuracy and Quality of Cost Estimates prepared by Quantity Surveyors compared to those by Cost Engineers **L. Ncalane, Quantity Surveying, Umpheme, South Africa** Assessment of Preliminaries in Relation to the Total Cost of Renovation Work in Public Schools in Abuja, Nigeria **R. Jimoh, Adama Sha'Aba Musa, Dept. of Building, Federal University of Technology, Nigeria** Evaluation of Location Factors Influencing Building Material Price Variation in South Africa **A. O. Windapo, K. Cattell, Dept. of Construction Economics and Management, University of Cape Town, South Africa** Factors That Affect Budgeted Cost	Project Risk Management Cycle **O. Cretu, J.-K. Lim, V. Cretu, M.-J. Lee, Development Division, Washington State Dept. of Transportation, USA** An Innovative Integrative Platform for Project Risk Management and Control in the Construction Industry **M. Fregatti, M. Zordan, 24 ORE Software SpA, Italy** Impact of Equipment and System Reliability on Project Economic Optimization **G. Guenzi, Energoconsult srl, Italy**

			through Achieving Delivery of Quality project in South Africa Construction Industry **I. Akinyede, J. A. Fapohunda, Dept. of Construction Management and Quantity Surveying, Cape Peninsula University of Technology, South Africa**	
16.00	Coffee Break			
	PARALLEL SESSION 6 Projects Global Control	**PARALLEL SESSION 10 Controlling Practices**	**PARALLEL SESSION 8 Estimating**	**PARALLEL SESSION 9 Risk Management**
16.30 18.30	Necessity of Technical Auditing in Construction Industry **M. Ameer, Chartered Surveyor, Arbitrator& Certified Construction Auditor, Sri Lanka** The Identification of Priority Construction Project Deliverables in a Non-Monetary Incentive Motivational Working Environment **R. Ndihokubwayo , G. J. Crafford, F. Buys, Dept. of Construction Management and Quantity Surveying, Cape Peninsula University of Technology, South Africa** "Err on the Caution Side". A Critical Analysis of Viability Studies as Initiation for Total Cost Management Projects **P. Oosthuizen, Dept. of Quantity Surveying and Construction Management, University of the Free State, South Africa** Practical Look at How Private Sector Entrepreneurial Contractors Use Earned Value	Impact of Budgeted Cost on Management of Construction Resources during Building Production Processes in South Africa Construction Industry **I. Akinyede, J. A. Fapohunda, Dept. of Construction Management and Quantity Surveying, Cape Peninsula University of Technology, South Africa.** Recent Developments in Standard Procurement Documentation in South Africa **T. Maritz, U. Putlitz, Dept. of Construction Economics, University of the Pretoria, South Africa** Constraints to Total Cost Management (TCM) of Construction Projects in Nigeria **S. J. Odediran, A. O. Windapo, Dept. of Construction Economics and Management, University of Cape Town, South Africa** Cost Control in Construction Industry **C. Tenna, Impresa Pizzarotti & C.**	Customization of Unit Costs Reflecting the Real Circumstances of the Project: Contract, Design, Site Conditions **L. R. Freire de Carvalho, M. S. Pini, LFC & MSP Consultoria em Engenharia de Custos, Brasil** Improving Design Stage Cost Estimating Accuracy in Building Procurement **J. Adafin, E. Onyeizu, G. Ojo, Dept. of Civil and Environmental Engineering, The University of Auckland, New Zealand** A Theoretical Framework for Reducing Tendering Costs in the Procurement of Infrastructure Projects **X. Jin, J. Zuo, B. Xia, Y. Ke, Program of Construction Management, School of Computing, Engineering and Mathematics, University of Western Sydney, Australia** A proposed Project Flow Chart for Estimators to use as a Guideline to	Cost Efficiency Improvement Through Integrated Risk Management **F. Zausa, N. Rossi, J. Michelez, ENI E&P, PERF, Italy** Liberating Risk Liability Through Communication in the Construction Industry **B. Zulch, J. J. P. Verster, Dept. of Quantity Surveying and Construction Management, University of the Free State, South Africa** Risks Associated with implementing the Practice of Construction of Green Buildings in Kuwait **AlSanad, Assistant Research Scientist, Infrastructure Risk and Reliability Program, Energy and Building Research Centre, Kuwait Institute for Scientific Research, Kwait** Identification of the Barriers to Implementation of Green Innovation in Construction Projects during the Design and Construction Phase **E. K. Simpeh, Dept. of Construction**

	P. D. Giammalvo, PTMC/APMX, Indonesia	**SpA, Parma, Italy**	Yield Project Success **M. S. Ramabodu, Dept. of Quantity Surveying and Construction Management, University of the Free State, South Africa**	**Management and Quantity Surveying, Cape Peninsula University of Technology, Bellville, South Africa**
19.45	Gala Dinner at the Leonardo Da Vinci Science and Technology Museum, Milan			

Wednesday 22 October

08.30 09.00	Registration of Delegates			
09.00 18.00	Exhibition / Poster Session			
	PARALLEL SESSION 11 **Teaching and Coaching TCM to Young People**	**PARALLEL SESSION 12** **From Individual to Corporate Training and Certification**	**PARALLEL SESSION 13** **Owner Contractor and Advanced Issues**	**PARALLEL SESSION 14** **IT Support to TCM practices**
09.00 11.00	Impact of Mentor Attitude on the Successful Mentorship of Women in the South African Construction Industry + The influence of Mentorship on the Knowledge, Productivity and Performance of Female Mentees in the South African Construction Industry **N. Yokwana, R. Ndihokubwayo, A. O. Windapo, Dept. of Construction Management and Quantity Surveying, Cape Peninsula University of Technology, South Africa** A Role-Playing Approach to Introduce Project Management Within	Accreditation and Development in Project Controls **R. Plumb, The Assessment Service Centre (TASC), UK** Project Related Professions **G. di Castri, AICE/ICEC, Italy** Creating a Competency Assessment for CPM Schedulers Using the GAO's "Best Practices in Scheduling" + Creating a Competency Assessment for Cost Estimators Using the GAO's "Best Practices in Capital Budgeting" **P. D. Giammalvo, PTMC/APMX, Indonesia**	Can Project Management Contractors Fill Owners' Cost Engineering Needs for Major Capital Projects? **S. L. Cabano, P. G. Williams, Pathfinder, LLC, USA** Constituents of Cost Overrun in the Final Cost of Construction Projects in Nigeria **W. A. Akewusola, The Nigerian Institute of quantity surveyors, Nigeria** Total Cost Management in the Shipbuilding Industry: Naval Defense Projects Management **C. Mattos, M. Alambert, Shipyard**	Total Cost Management and Cloud Computing **B. Nicoletti, C. Andreoli, Italy** Informatization of Whole Process Investment Management and Auditing of Construction Projects **M. Konarsky, U. Götze, E. Leidich, Dept. of Engineering Design, Technical University of Chemnitz, Germany** Informatization of Whole Process Investment Management and Auditing of Construction Projects **Z. Hesheng, Y. Yilin, President of Beijing Jinmawei Consultation of**

	Engineering Courses: Model, Process and Guidelines **G. Elia, A. Margherita, Dept. of Engineering for Innovation University of Salento, Italy** An Assessment of the Effectiveness of Learnership Programmes in the South Africa Construction Industry **C. Aigbavboa, W. D. Thwala, Dept. of Construction Management & Quantity Surveying, University of Johannesburg, South Africa**	IBEC Certificador. Certification Program **J. C. de Assis, Instituto Brasileiro de Engenharia de Custos, Brazil**	**EISA/FGV - FGV Management - Brazil** Reengineering Entrepreneurial Competencies and Performances to enhance Total Cost Management **Chan K, ST Management Services, China**	**Engineering Co. Ltd. - Economy & Management School, Tianjin University of Technology, China**
11.00	Coffee Break			
	PARALLEL SESSION 15 **The New Frontiers of BIM**	**PARALLEL SESSION 16** **TCM in Health Care**	**PARALLEL SESSION 17** **Stimulus**	**PARALLEL SESSION 3** **Methodologies and Quantitative Methods to Support TCM**
11.30 13.30	BIM Implementation Strategies – Global Comparisons **P. Smith, ICEC Secretary General - University of Technology Sydney, Australia** BIM based project management in construction **A. Pavan, F. Rececconi, S. Maltese, Dept. of Architecture, Built Environment and Construction Engineering, Politecnico di Milano, Italy** Will Building Information Modeling (BIM) Transform Cost Estimating in Australia? **L. Konstas, J. Zuo, Y. Feng, Xiao-Hua Jin, School of Natural and Built Environments, University of South Australia, Australia** BIM Surveying for restoration and	Engineering clinical pathways to enhance the healthcare system performance **A. Caforio, G. Mitrano, P. Cosoli, Centro Cultura Innovativa d'Impresa, University of Salento - Distretto Tecnologico Hi-Tech Scarl - Openwork srl, Italy** A project of High Technology, Health and Research in a crisis period: the success of CNAO **E. Borloni, S. Rossi, M. Livraga, CNAO Foundation, Italy** Project, construction, management of the environments suitable for the application of biotechnology in medicine **A. Conti, D. Pedrini, SIAIS Board Member, Istituto Ortopedico Rizzoli - SIAIS President, AOU Sant' Orsola,**	Job stress: what you can do about it **F. C. Bartholomew, F. Bartholomew Associates, USA** Reengineering for Efficient Hotel Maintenance Management **Chan KH, DP Management Consultancy, China** An Investigation of the impact of construction material waste on cost for selected projects in Zimbabwe **R. Mawondo, A. Chinyama, E. Mangore, Dept. of Quantity Surveying, National University of Science and Technology – Dept. of Civil and Water Engineering, National University of Science and Technology, Zimbabwe** Is communication a cornerstone area	Project Performance Audit: Enhanced Protocols for Triple Bottom Line Results **A. Nalewaik, A. Mills, QS Requin Corporation, Altadena, USA; Deakin University, School of Architecture and Built Environment, Australia** Schedule Health Assessment for Construction Projects **M. Bragadin, K.E. Kahkonen, Dept. of Architecture, University of Bologna, Italy; Dept. of Civil Engineering, Tampere University of Technology, Finland** Developing a fuzzy new-generation whole-life cost model for medium-sized office buildings **O. Tokede, B. D'Amico, N. Gupta, S. Wamuziri, School of Engineering and the Built Environment, Edinburgh**

	rehabilitation of architectural heritage: cost-benefit analysis **S. D'Auria, E. De Feo, Dept. of Civil Engineering, University of Salerno, Italy**	**Italy**	of project management? **B. Zulch, Senior Lecturer, Dept. of Quantity Surveying and Construction Management, University of the Free State, South Africa**	**Napier University, UK**
13.30	Lunch			
	PLENARY SESSION **Closing Lectures and Address**			
15.00 17.00	Linking the Comprehensive Six-Phase Project Life Cycle Model and Project Team Cognitive Readiness with the TCM Framework, **R. D. Archibald, I. Di Filippo, D. Di Filippo, S. C. Archibald, Chairman Emeritus, Archibald Associates, UK; Team Leader of GenialSoftware, Italy; ISIPM Member, Italy; Managing Principal, Archibald Associates, UK** The Management Challenges of Building a World Cup Stadium in the Amazon - The Case of the Amazon Arena (Brazil), **A. Dorea Mattos, C. H. R. Lima, G. R. Alves, J. A. Fernandes - Aldo Mattos Consulting - Andrade Gutierrez, Brazil** Total Cost Management at AACE International, **A. C. Hamilton, Project Management Associates LLC, USA**			