

# INTERNATIONAL COST ENGINEERING COUNCIL



## PRELIMINARY PROGRAMME OF THE

### 4<sup>TH</sup> WORLD CONGRESS ON COST ENGINEERING, PROJECT MANAGEMENT, AND QUANTITY SURVEYING

INCORPORATING THE



8<sup>TH</sup> PACIFIC ASSOCIATION OF  
QUANTITY SURVEYORS  
CONGRESS



GENERAL MEETING OF THE  
AFRICA ASSOCIATION OF  
QUANTITY SURVEYORS

**18<sup>TH</sup> INTERNATIONAL COST ENGINEERING CONGRESS**

**CAPE TOWN - SOUTH AFRICA**

**17<sup>TH</sup> – 21<sup>ST</sup> APRIL 2004**



CO-HOSTED BY  
THE ASSOCIATION OF SOUTH AFRICAN QUANTITY  
SURVEYORS  
AND THE  
COST ENGINEERING ASSOCIATION OF SOUTHERN  
AFRICA



## Menu of Speakers and Events

### MEETINGS AND EVENTS: SATURDAY 17 AND SUNDAY 18 APRIL

ICEC Council meeting, ICEC Region III, AAQS and PAQS meetings

Sport events Times and venues to be announced

### PRE-CONGRESS WORKSHOPS/PROGRAMME

#### SATURDAY 17th APRIL

14:00 – 18:00 Workshop 1: Benchmarking the competencies of Project-oriented Companies.  
**Professor Roland Gareis**

Workshop 2: Innovative Property Financing. **Cathy Evans**

09:00 – 17:00 Workshop 3: Process Technology for Cost Engineers. **Dr. Maarten Vrijland**

#### SUNDAY 18th APRIL

09:00 – 13:00 Workshop 3: Continued. **Dr. Maarten Vrijland**

09:00 – 17:00 Workshop 4: Facilities Management: Value Beyond Cost: New Career Opportunities. **Arthur Coy**

Workshop 5: Innovative Practical Project Management. **Gert Basson**

### POST-CONGRESS WORKSHOPS

#### THURSDAY 22nd APRIL

09:00 – 17:00 Workshop 6 Capital Cost, Risk and Contingencies. **Dr. Ken Humphreys**

09:00 – 17:00 Workshop 7 Project Execution Planning. **Allen C Hamilton**

09:00 – 17:00 Workshop 8 Earned Value: The Mining Access Development Project. **A. D. Milne**

## KEYNOTE SPEAKERS

**OPENING ADDRESS:** Speaker to be announced

## PLENARY SPEAKERS

- Cost Management Futures: A scenario for the cost management professional to creatively restructure and advance the body of knowledge in an ever changing world. **Dennis Lenard**
- New markets, value and cost engineering. **Edward Tang**
- Project Management in crisis. **Jim Zack**
- Added value: An urban and regional planning perspective. **Gerrit Jordaan**
- Scenarios: The quest for knowledge about the future. **André Roux**
- A Maturity Model of the Project-oriented Society. **Roland Gareis**
- North American Free Trade Agreement. **Emilio Zorrilla Vázquez**

## BREAKAWAY SESSIONS:

### QUANTITY SURVEYING

- Whole Life costing – A means of getting best value. **Simon Cash**
- Knowledge based verses skill based – The challenge of estimating software for Quantity Surveying students in tertiary institutions. **R. Beazer**
- **Quantity Surveying Forum:** A debate on the future of the profession. Introduction. **M. A. Oladapo**
- The Architectural and quantity surveying professions in South Africa – are they suffering from a terminal illness? **R. Pearl**
- QS: Strategies and the future of the profession. **M. Grant**
- A comprehensive cost management model. **J. J. P. Verster**
- Determination of replacement, insurance base and residual (Including rehabilitation) values for capital assets. **M. C. Erasmus**
- Quantity Surveying in Samoa – A case study in adding value to Aid projects. **P. M. Lawther**
- Challenges in Quantity Surveying: Procuring the future. **G. Brümmer**
- Earned value in Quantity Surveying versus other environments. **J. Prentice**
- Traditional methods: How valuable is your estimate. **H. Marx**
- Trends in the Australian Quantity Surveying Profession 1995 - 2003. **P. Smith**
- Stakeholder attitudes to criteria used for the requalification of construction contractors. **A. Mills**
- Branding the QS profession to meet the challenges of built environment. **J. O. Ajanlekoko**

### COST ENGINEERING

- Estimating 3D: the next dimension. **A. Barmania, L. McMullan**
- Risk management for cost and schedule managers. **A. C. Hamilton**
- 2002 Japanese Chemical Plant cost trend (as compared with USA and UK). **Y. Saito**
- The introduction of the Earned Value principle to the South African Gold Mining industry. **A. D. Milne**
- Cost Engineering for track maintenance and renewal within the UK Railway industry. **D. Ling, R. Roy, V. Taratoukhine**
- Cost estimation for the optimum design of welded structures. **K. Jarmai, P. Uys, J. Farkas**
- Controlling the influence of foreign exchange and escalation on capital projects, in the South African context. **E. Kapp**
- Development and implementation of an integrated business and career model in a high performance work team (HPWT) environment. **K. Mattheys, P. Teklenburg**

- Dynamic cost systems to deliver real value. **L. vd Dussen**
- Cost analysis of bolted and welded frame connections. **J. Farkas, P. Uys, K. Jarmai**
- Alliance contracting: Adding value through collaborative relationships. **K. Mattheys**
- Reliability and Accuracy of estimates. **S. Boeschoten**

## **PROJECT MANAGEMENT**

- Factors influencing risk management in cost planning and control of building projects. **G. Wanyona; P. Bowen**
- Commissioning Planning – A Sasol Technology approach. **D. Bosch**
- Assessment of competence qualification for project management and controls. **Richard Plumb**
- Quality management in a professional office – adding value or not? **J. H. Cruywagen**
- Developing National standards for the classification of construction information in the Republic of South Africa. **M. J. Maritz**
- Project execution planning for cost and schedule managers. **A. C. Hamilton**
- Organising the Cost Estimating Process. **C. L. Kinney**
- Construction project management – Sri Lankan Experience. **M. Gunasekera**
- Optimum cost and value: The role of health and safety (H&S). **J. Smallwood**
- Juggling between value and cost in a pipeline project. **A. K. A. Ghani, A. R. Paimin**
- Comprehensive Analysis of Construction projects implementation. **T. Kasprovicz**
- Earned value Project Management. **J. Prentice**

## **BUSINESS MANAGEMENT**

- Business case analysis. **R. Gareis**
- The PBMR Risk Management System – A case study. **G. Ker-Fox**
- A re-examination of schedule variances in earned value analysis. **K. Heathcote**

## **VALUE ENGINEERING**

- The potential of quantity surveyors in South Africa, New Zealand, Australia and Sri Lanka to offer a value management service: A comparative study. **Roelf Visser**
- Value beyond indicators in international projects. **N Postavaru, V. Simionescu**
- Value and economic value added (EVA) – A capital project's view. **R. Milne; P. Cooke**
- The integration of the Value Methodology (Value Management / Value Engineering) into the Capital Project Execution Process. **K. J. Huber**
- Real time-earned value. **K. Heathcote**
- Cost overrun in the public sector, a case study. **M. Vrijland**
- Are we losing control of project controls? **D. Dow**

## **CONTRACT LAW / DISPUTES**

- The value of efficient contract documents: Conditions and mediation. **B. Swart**
- Disputes resolved, costs compiled and apportioned to the value of the project. **P. Ferrao**
- Cultural differences in dispute resolution between Contractor and Consultant in construction projects. **R. Rameezdeen**
- Managing the expert's documents during litigation. **J. A. J. Anderson**
- Claims and dispute resolution: Conflict management in a hostile project environment. **I. T. Anago**

## **CLIENT VIEWS: Private/Government**

- Owner/client DNA analysis/modeling for wealth maximization. **M. J. F. Köster**
- A critical view and evaluation of the ethical standards existing in the built environment professions.

### **R. Pearl**

- Tuning into your client. **Ginette Basak**
- Value beyond cost: The client's perceptions and expectations. **R. C. Enenmoh**

### **GENERAL**

- Architecting the Raytheon Production Cost Model. **G. Stratton, Q. Redman, M. Kehret**
- Differences of Professional Cost Engineers' role and position by country and by sector Several factors and the patterns of their combination. **T. Eguchi**
- Business case analysis: a new project management method or just an investment decision method?  
**R. Gareis**
- The PBMR Risk Management System – A case study. **G. Ker-Fox**
- Value: The role of the environment. **J. Smallwood**

### **FACILITIES MANAGEMENT**

- Optimization of a dynamic plan of the annual programme of public building. **R. Spaic**
- Quantifying the Consequences of Maintenance Budget Cuts. **J. McDuling, E. Horak & C. Cloete**

### **EDUCATION**

- **Academic Forum chaired by D. Lenard**  
  
Undergraduate and post-graduate programs  
Future trends in cost- and Project-Management  
Current Research  
Internationalisation.

# REGISTRATION FORM

## International Cost Engineering Council

*incorporating quantity surveyors, cost engineers and project managers*

### 4<sup>th</sup> World Congress

**Cape Town, South Africa, 17-22 April 2004**

#### **PARTICIPANT ATTENDANCE INFORMATION**

**Note:** Please contact your nearest South African Embassy for Visa information. **Please provide information as you wish it to appear on your badge** and in the list of participants. A copy of this registration form should be completed for each active participant.

Title: Mr/Ms/Dr/Prof	Family Name / Surname		
Address:	First Name		
	Call Name (Name Tag)		
	Company / Organisation		
State:	Phone		
Country:	Fax		
Code:	E-mail address		
<b><u>Professional Membership: Please type/write in your applicable membership</u></b> (ASAQS CEASA PMSA SAIA SAACE SAICE AAQS PAQS ICEC):			

#### **ACCOMPANYING PERSON / SPOUSE (Not participating in the meeting)**

Family Name / Surname		First Name	
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**SPECIAL SOCIAL FUNCTIONS (not included for student registrations). Please indicate with an X those which you will attend**

Welcome Cocktail Reception		Gala Dinner		Closing Luncheon	
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REGISTRATION FEES  Indicate with a <b>X</b>	ASAQS, CEASA, AAQS & BEP Participants in South Africa				ICEC Members				Non-ICEC Members and other Participants			
	Subsidised Members' rate Including vat		Early bird PAID by 31 <sup>st</sup> January Including vat		Normal rate		Early bird PAID by 31 <sup>st</sup> January 2004		Normal rate		Early bird PAID by 31 <sup>st</sup> January 2004	
1. Full Delegate	R2850		R2394		US\$645		US\$600		US\$695		US\$645	
2. Young Professional	R2394		R1938		US\$485		US\$445		US\$525		US\$480	
3. Student	R1368		R1140		US\$330		US\$290		US\$350		US\$310	
4. Accompanying person	R684		R570		US\$140		US\$120		US\$150		US\$120	
<b>WORKSHOPS (limited to minimum of 10 and a maximum of 20 attendees)</b>												
Workshop 1: ½ day (17/04)	R1368		R1140		US\$300		US\$260		US\$350		US\$300	
Workshop 2: ½ day (17/04)	R1368		R1140		US\$300		US\$260		US\$350		US\$300	
Workshop 3: 1½ days (17-18/04)	R3876		R3420		US\$900		US\$780		US\$1050		US\$900	
Workshop 4: 1 day (18/04)	R2736		R2280		US\$600		US\$520		US\$700		US\$600	
Workshop 5: 1 day (18/04)	R2736		R2280		US\$600		US\$520		US\$700		US\$600	
Workshop 6: 1 day (22/04)	R2736		R2280		US\$600		US\$520		US\$700		US\$600	
Workshop 7: 1 day (22/04)	R2736		R2280		US\$600		US\$520		US\$700		US\$600	

<p><b><u>Cost includes:</u></b></p> <p><b>Full Delegate and Young professionals:</b> Entrance to sessions, lunches, refreshment breaks, special social events and registration pack</p> <p><b>Students:</b> Entrance to sessions, lunches, refreshment breaks and registration pack</p> <p><b>Companions/accompanying persons:</b> Welcome reception, Gala Dinner and Closing Luncheon</p> <p><b><u>TOURS AND GALA DINNER (Costs Include VAT and are quoted PER PERSON)</u></b></p>
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Description	SA participants	International participants	Number of tickets required
A. Wine Tour	R479	US\$70	
B. Table Mountain Tour	R274	US\$40	
C. Robben Island Tour	R342	US\$50	
D. Additional Gala Dinner guests (students & additional private guests)	R285	US\$40	

**Cancellation Policy: Registration fees & Additional Gala Dinner Guests will be refunded 75% if cancelled BEFORE 17 MARCH 2004**

**Please indicate your payment method with a tick: (Note, if you want to qualify for the early bird registration fee, bank transfers must be received on or before 31 Jan 2004, and credit cards will be deducted on receipt of your registration form)**

Payment Method	On arrival	Bank transfer before 31/01/04	Bank transfer after 31/01/04	Credit Card before 31/01/04	Credit Card after 31/01/04

**CREDIT CARD DETAILS – Please complete**

Card Type (Visa, MasterCard, Diners, Amex)		Card Number	
Expiry Date (month and year)		Last 3 digits on back of card	

**BANKING DETAILS FOR REGISTRATION FEES** – (Please note, bank commissions are for your OWN account and this should be stipulated to your bank. If you want to qualify for the discounted early bird registration fee, this must be RECEIVED ON OR BEFORE 31 JANUARY 2004)

Name of Account Holder	Association of SA Quantity Surveyors	Account Number	208 582258
Bank	Standard Bank	Branch Code	00 11 55
Reference	Use your surname as the reference	Branch	Midrand



# HOTEL RESERVATION REQUEST FORM

## HOTEL OPTIONS AND SPECIAL NEGOTIATED RATES (FOR YOUR OWN ACCOUNT)

All rates quoted are per person, per night inclusive of Bed & Breakfast

The Government Tourism Levy which is charged at 1% of the room rate, per night is EXCLUDED and is payable on departure. (INTERNATIONAL PARTICIPANTS WILL BE CHARGED THE US DOLLAR RATE AND SOUTH AFRICANS THE RAND RATE)

Name of Hotel	Rating	Description; CICC = Conference Centre	Rate inclusive of bed & breakfast			
			per person Single		per person Sharing	
Arabella Sheraton	*****	5 star, Top class, next door to the CICC Waterfront, 1 min walk	US\$210	R1450	US\$122	R835
Cullinan Hotel	*****	4 star, 1 minute walk to and opposite the CICC, on Waterfront	US\$138	R948	US\$83	R565
Capetonian Hotel	***½	3½ star, on Foreshore, 2 minute walk to CICC	US\$117	R800	US\$78	R525
City Lodge Waterfront	***	3 star, on the Waterfront, 2 minute walk to the CICC.	US\$96	R655	US\$69	R465
Holiday Inn De Waal	***	3 star in the city, 10 minutes drive from the CICC	US\$105	R716	US\$75	R509
St Georges Hotel	****	standard 4 star in the city, 7 minute walk from the CICC	US\$110	R745	US\$66	R445

### HOTEL RESERVATION REQUEST

Accommodation is assigned based on the information furnished on this form on a first-come first-served basis. Credit card information is requested in order to guarantee your reservation, and deductions will be made 7 days prior to arrival. If you do not have a credit card, then full prepayment for your hotel reservation will be required 2 weeks prior to arrival, and deposited into the ACCOMMODATION account. (As Cape Town is a busy tourist destination, the hotels require full prepayment)

**INTERNATIONAL PARTICIPANTS WILL BE CHARGED THE US\$RATE AT A SET RATE OF EXCHANGE OF US\$1.00 TO 8.0 ZAR. (Due to vast foreign exchange fluctuations we experience)**

Your Surname		Your First Name	
Preferred Hotel: 1 <sup>st</sup> choice		2 <sup>nd</sup> choice	
Room Requirements (please tick)	Sing le	Double	T wi n
			If sharing, with whom
Date of Arrival	April 2004	Date of Departure	April 2004
<b>HOTEL PAYMENT METHOD</b>	Bank transfer by 3 <sup>rd</sup> April 2004		Credit card by 7 days prior to arrival

### CREDIT CARD DETAILS – Please complete

Card Type (Visa, MasterCard, Diners, Amex)		Card Number	
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<b>Expiry Date (month and year)</b>		<b>Last 3 digits on back of card</b>	
<b>Card Holders Name</b>		<b>Card Holders Signature</b>	

By providing your credit card number and signature, you agree to the cancellation & payment policies for accommodation reservations and that your card can be deducted prior to arrival for the accommodation amount due.

#### **BANKING DETAILS FOR ACCOMMODATION DEPOSITS**

<b>Name of Account Holder</b> Conference Call No 1		<b>Account Number</b> 909 169 4875
<b>Bank</b> ABSA Bank		<b>Branch Code</b> 511 326
<b>Reference</b>	Use your surname as the reference	<b>Branch</b> Kingsmead (Old Fort Rd, Durban)

#### **PLEASE NOTE, THE ACCOMMODATION AND REGISTRATION PAYMENTS ARE MADE INTO TWO DIFFERENT ACCOUNTS**

<b>PROOF OF BANK TRANSFER PAYMENTS SHOULD BE FAXED TO CONFERENCE CALL ON (+27) 31 266 2380 for both accommodation and registration.</b>
<b>PAYMENT TERMS &amp; CONDITIONS FOR YOUR RESERVATION</b>
<ol style="list-style-type: none"> <li>The full amount payable will deducted from your card 7 days prior to arrival and the reference "Conference Call" will appear on your credit card statement. (The hotels require full prepayment as Cape Town is a busy international tourist destination, and they will not guarantee reservations unless full prepayment is received.) Receipts will be issued at the hotel on your arrival; <b>OR</b></li> <li>If you do not have credit card facilities, please arrange for a bank draft / transfer into the <u>accommodation bank account</u>. The full amount payable for your reservation is required 2 weeks prior to arrival ( by 3 April 2004) or earlier, if you do not have a credit card.</li> </ol>
<b>HOTEL CANCELLATION POLICY:</b> Hotel Reservations cancelled:
(i) 30 days prior to arrival, <b><i>IN WRITING</i></b> , will be accepted without penalty. (ii) 16-29 days prior to arrival, will be liable to pay a 25% cancellation penalty of the Total Reservation Amount; (iii) 0-15 days prior to arrival, will be liable to pay a 100% cancellation penalty of the Total Reservation Amount.
(i) All rates quoted are PER PERSON, PER NIGHT, including bed and breakfast; (ii) Attention should be drawn to the hotel descriptions when making accommodation selection; (iii) No personal cheques accepted; (iv) Rates negotiated and net; non-commissionable to other travel or booking agents.
<b><u>AIRPORT TRANSFERS (for your own account):</u></b> US\$40.00 or R260.00 per person, return airport transfer (airport – hotel – airport) A welcome airport desk with ICEC signage will be <u>situated inside the domestic arrivals hall luggage collection area</u> , where you can request this service on arrival.
<b><u>PRE/POST OR ACCOMPANYING PERSONS TOURS (for your own account):</u></b> For further information or to make a tour reservation please contact DHM Tours directly on <a href="mailto:dhmtours@iafrica.com">dhmtours@iafrica.com</a> or visit their website on <a href="http://www.dhmtours.co.za">www.dhmtours.co.za</a> . A description of recommended tours will be listed on the conference website shortly

**INCORPORATING CONGRESSES AND GENERAL MEETINGS OF THE AFRICA ASSOCIATION OF QUANTITY SURVEYORS and the PACIFIC ASSOCIATION OF QUANTITY SURVEYORS**