



Joint CIB W099 and TG59 International Safety, Health, and People in Construction Conference

Towards better Safety, Health, Wellbeing, and Life in Construction (Theme)

Cape Town, South Africa, 11-13 June 2017

Workshops, Sunday 11 June 2017

The need for the Workshops

The promulgation of the Construction Regulations in South Africa in July 2003 (revised in 2014) resulted in among other, client and designer responsibility for construction health and safety (H&S). International research has identified the holistic influence of client and designer decisions and interventions on construction H&S. However, such influence may be positive or negative, and designers need to consider and refer to construction H&S during all six stages of projects, including 'project initiation and briefing', 'concept and feasibility', and 'design and development'.

Construction constitutes a challenge in terms of ergonomics as it requires work above shoulder level and below waist height. Furthermore, designers are required to consider ergonomics throughout all stages of projects. A range of client, designer, construction project manager, quantity surveyor, contractor, and material manufacturer / supplier interventions can complement construction ergonomics. Furthermore, the draft Ergonomics Regulations published for public comment on 27 January 2017, amplify the need for the construction industry to focus on ergonomics.

Schedule of Workshops

Table 1: Workshop details.

Workshop	Time	Activity	Time	Minutes
Construction ergonomics	09:00 - 13:00	Modules	09:00 - 10:50	110
		Tea	10:50 - 11:10	20
		Modules	11:10 - 13:00	110
Designing for construction H&S	14:00 - 18:00	Modules	14:00 - 15:50	110
		Tea	15:50 - 16:10	20
		Modules	16:10 - 18:00	110

Table 2: Construction ergonomics workshop content.

Module	Module title / Tutorial
M1	Introduction
M2	Legislation
M3	Ergonomics problems
M4	The role of clients, construction project managers, quantity surveyors, and manufacturers and suppliers
M5	Designing for construction ergonomics
T1*	Design hazard identification and risk assessment (HIRA)
M6	Contractor interventions
T2*	Construction HIRA
M7	Method statements and safe work procedures (SWPs)

* T1 and T2 = Tutorial

Table 2: Designing for construction H&S workshop content.

Module	Module title / Tutorial
M1	Introduction and background to designing for construction H&S
M2	Incident causes – does design matter?
M3	H&S design concepts and problem solving
M4	Regulations, case law, processes, and examples

Outcomes (Primary)

Upon completion of the respective workshops, delegates should have developed an enhanced understanding and appreciation of:

- Designing for construction H&S principles and interventions ('Designing for construction H&S' workshop)
- The principles of construction ergonomics and the nature and importance of multi stakeholder interventions ('Construction ergonomics' workshop).

Stakeholders that should attend

The workshops are suited to a multi-stakeholder audience comprising:

- Client organisations (public and private);
- Property developers;
- Construction Project Managers;
- Architects;
- Engineers (civil, electrical, mechanical, process, and structural);
- Quantity Surveyors;
- Construction Managers;
- Construction H&S Agents, Managers, and Officers;
- Contractors (general and co-contractors / specialist contractors);
- Consultants (Construction Management);
- Union representatives;
- Government (Construction Industry Development Board, Department of Labour etc.);
- Tertiary built environment educators;
- Tertiary built environment students, and
- Insurers (Compensation Commissioner, and FEM).

The Workshop presenters

Construction ergonomics:

Claire Deacon is the Managing Member of OCCUMED cc trading as claire deacon and associates (cd&a). Claire has practiced as an Occupational Health Practitioner (OHNP) since 1982. Claire is registered as a Professional Construction Health and Safety Agent, actively practicing in the field (Pr. CHSA No: CHSA010/2013). Claire currently works as an associate of Coalition Trading 517, trading as CREATE.

Claire obtained her PhD (Construction Management) at NMMU in 2016. Her career commenced with a General Nursing Diploma at Groote Schuur Hospital, where after she qualified in Occupational Health at the University of Stellenbosch. Other post graduate training includes a B.Tech in Occupational Health at Peninsula Technikon, a BSc Med (Honours) in Biomedical Engineering / Ergonomics at the University of Cape Town, and a Masters in Nursing (MCur) (by research) at the then University of Port Elizabeth (now NMMU). Claire was admitted to the prestigious Research Capacity Initiative (RCI) with the South African Netherlands Partnership for Alternative Development (SANPAD), which was completed cum laude.

Claire is currently one of two construction H&S (CHS) council members appointed to the SACPCMP for the 4th term council. Roles within the SACPCMP include the CPD Chair, HR Chair, and Registrations Committee, and CHS. Other roles include examiner and moderator

for the CHS Officer and Manager categories, as well as any other roles required in terms of the duties of the Council.

Claire is a member of several voluntary associations, which include the SA Society of Occupational Health Nurses (SASOHN), the Chartered Institute of Building (CIOB), the Institute of Safety and Health (IOSH) in the UK, and the Ergonomics Society of South Africa (ESSA).

Claire has worked in construction since 1995, on projects ranging in value from R500 000 to R3billion. She has conducted research, published, and presented a range of construction H&S, ergonomics, and related courses, lectures, programmes, seminars, and workshops.

John Smallwood is Professor of Construction Management, NMMU. Both his MSc and PhD (Construction Management) addressed H&S, and he has conducted extensive research in the fields of construction H&S, ergonomics, and occupational health.

Publication outputs include papers in international journals, conference proceedings and reports, chapters in books, and articles, interviews and an H&S column in industry magazines. Completed chapters for books include the H&S chapter for the Royal Institute of British Architects (RIBA) Architect's Handbook of Construction Project Management in the capacity as principal co-author.

He has developed, organised, and co-presented a range of H&S courses, programmes, seminars, and workshops, and initiated and co-organised numerous construction H&S conferences.

He has 34 years of diverse H&S experience, including as a Contracts Manager, and is registered as a Pr CM, and a Pr CHSA, is a Member of the Association of Construction Project Managers (ACPM), Association of Construction Health and Safety Management (ACHASM), a Fellow of the Chartered Institute of Building (CIOB), and a member of the Ergonomics Society of South Africa (ESSA), International Commission on Occupational Health (ICOH), Institute of Safety and Health (IOSH), Institute of Safety Management (IOSM), and South African Institute of Occupational Safety and Health (Saioh). He is a Past-Councillor of the Council, South African Council for the Project and Construction Management Professions (SACPCMP). Other leadership contributions include, Coordinator, Africa and Middle East, International Council for Research and Innovation in Building and Construction (CIB) Work Group 99 (Safety and Health in Construction).

Designing for Construction H&S:

Michael Behm is a Professor of Occupational Safety at East Carolina University in Greenville, North Carolina, and Coordinator of the Working Commission W99 Safety and Health in Construction for the International Council for Research and Innovation in Building and Construction (CIB), in the Netherlands.

Mike is a member of the US National Institute for Occupational Safety and Health (NIOSH) Board of Scientific Counsellors, and the NIOSH Construction Sector Council. He was previously a Research Fellow at the Centre for Urban Greenery and Ecology in Singapore focusing on safe design aspects of skyrise greenery systems, and a Visiting Research Fellow at the Royal Melbourne Institute of Technology's (RMIT) Centre for Construction Work Health and Safety in Melbourne, Australia.

Mike holds a PhD in Public Health from Oregon State University, and has been a Certified Safety Professional since 1995.

He was a safety and health professional for 10 years with Lenox China and Saint-Gobain Corporation.

Continuing Professional Development (CPD)

The organiser is in the process of finalising recognition of the workshops by the Chartered Institute of Building (CIOB), the South African Council for the Project and Construction Management Professions (SACPCMP), and the South African Institute of Occupational Safety and Health (Saioh) for CPD points.

Fees

Include refreshments, but do not include lunch.

Table 3: Schedule of fees.

Delegate category	Fee / Workshop(s) (Rand including VAT)	
	Single	Both
Standard	R 1 425.00	R 2 508
ACHASM / CIB / CIOB / Saiosh / SACPCMP / Student	R 1 254.00	R 2 166

Payment

If your employer is responsible for payment and you need an invoice, please provide us with the employer's name, contact person, and e-mail address, Purchase Order No., VAT number, correct postal address, and contact numbers (these are crucial).

If the Government is responsible for payment, we will need the Purchase Order No. on the registration form, as well as a copy of the purchase order.

Fees are payable strictly in advance, and in the case of cancellations:

- Within 5 working days of the workshop(s), a cancellation fee of 50% will be applied, and
- Within 2 working days of the workshop(s), a cancellation fee of 100% will be applied.

Logistics

Date : 11 June 2017 (Table 1 above)

Venue : Boardroom 2, Protea Hotel Breakwater Lodge, V&A Waterfront

Time : Refer to Table 1 above

Web Sites

<http://www.cibw099.com>

<http://www.cut.ac.za/construction-conference-2017-sa/>

Host



For further information:

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