



**Llewellyn van Wyk** holds a Bachelor of Architecture degree from the University of Cape Town. He is currently registered for his Masters degree at the University of Pretoria.

He formed the architectural practice of Norman Calitz and Llewellyn van Wyk in 1982 and completed over 300 buildings throughout Southern Africa.

In 1984 he was elected as a City Councillor of the City of Cape Town, becoming Deputy-Chair of the Town Planning Committee in 1986, Deputy-Mayor in 1993 and Deputy-Chair of the Executive Committee in 1995. He was a founder member of the 2004 Cape Town Olympic Bid and served as a Director on the Board of the Olympic Bid Company.

Llewellyn was elected as the President of the South African Institute of Architects in 1999 and President of the Commonwealth Association of Architects in 2003.

He launched the Digest of South African Architecture in 1999 and served as the Editor until 2003. He is the current Editor-at-Large of the E-Journal Greenbuilding South Africa, which he helped launch in 2007. Llewellyn is a Director and Founder Member of the Green Building Council of South Africa, and serves on its Technical Committee.

He joined the Division of Building and Construction Technology at the Council for Scientific and Industrial Research in 2002 where he is Research Group Leader in the programme for Construction.

Llewellyn has delivered several keynote papers at international and national conferences and workshops, and is the author of a number of published papers on the subject of architecture, the built environment professions and the constructed environment. He is a keen reader, enjoys good food (cooks), wine and conversation.

## **Title**

Green Buildings as an Instrument of Transformation

## **Abstract**

Abstract: Green buildings are mostly described within the narrow confines of indoor and outdoor environmental performance with the "do least harm" approach being the defining philosophy. However, the principles of sustainability - the mother of green building - have as a defining philosophy social well-being, with a particular focus on the poor. Thus there is currently a profound disjuncture between the two concepts, often described in the rather trite notion of the 'green' versus the 'brown' agenda. This keynote address will review this divide, and posit an agenda that incorporates the emerging green building movement into the ideals of a developmental South Africa.



**Jeremy Gibberd** has over 20 years of experience in architecture working in a range a range of roles within the planning, design and management of infrastructure. He has developed specialist expertise in education and community architecture, sustainable buildings, design simulation, building performance analysis, inclusive environments, facilities management and planning and maintenance systems.

He contributes to CSIR's research programmes on education and sustainable buildings and consultancy and training programmes for Gauge, SAPOA, GlobalFM, and the South African Green Building Council.

He is currently working on minimum sustainability standards for municipalities, sustainability assessment and provision of technical advice on office buildings, service stations and housing.

### **Title**

Propagating Sustainability in Buildings

### **Abstract**

The presentation discusses ways of achieving more sustainable buildings. It suggests that new and different approaches are required in order for design teams and building managers to develop the type and levels of performance required in the built environment to effectively address sustainability and climate change. Conceptual approaches and examples of current work will be presented



**Joe Odhiambo** CEO of Agrément South Africa. The primary role of Agrément South Africa is to provide national technical evaluation service for innovative construction products. Agrément South Africa is part of the CSIR's built environment unit and is located in Building 2A, CSIR site on Meiring Naude Road, Brummeria, Pretoria.

### **Abstract**

The role Agrément South Africa could play in planting the seeds of knowledge for a green future.

As you are aware Agrément South Africa is a public agency reporting to the national department of public works which is entrusted with assessing the fitness-for-purpose of non-standardised products and building systems. Agrément certificates can be used to demonstrate compliance with regulations, as specified in the certificate.



**Jason Buch** as the Green Building Council of South Africa Technical Manager, Jason oversees the implementation of the Green Star rating systems, certification process and related training. Prior to joining the Council, Jason worked in the green building industry in the United States for 9 years, with previous construction and construction management experience. He served as the green building specialist for a large general contractor, training staff on green building issues and estimating costs for projects of all sizes.

For the past two years, Jason served as a senior green building consultant for one of the largest such consulting firms in the US. He has facilitated training on an array of green building topics, served as a design consultant for green projects across the US, and served as project manager of one of the teams reviewing all LEED projects for certification. Originally trained as a civil engineer, Jason holds a B.S. from Cornell University in New York.

### **Title**

Green Star SA Rating System

### **Abstract**

Jason will cover a brief background of the Green Building Council of South Africa followed by an explanation of the Green Star SA green building rating system. An emphasis will be put on demonstrating the different areas and design attributes that are addressed by the rating system, which is meant to provide a definition and common language for green building. The Green Star SA system is a means for measuring and certifying leading green buildings in the commercial property sector.



**Namso Baliso** has a Town and Regional Planning degree from the University of Witwatersrand, and currently finalising my MSc in Environment and Society with the University of Pretoria.

Namso have worked for various National Government Departments including Public Works and Land Affairs. She is currently with the National Department of Housing and employed as a Director in the Policy Unit. She is responsible for providing assistance to provinces and municipalities on policy formulation processes, providing advice and guidance on national housing policy interpretation and applications. The assistance and support entail the completion of questionnaires, arrangement of workshops and provincial visits, as the need arises.

Her engagement with various stakeholders includes the United Nations, Universities and other countries, on housing policy and programmes.

### **Title**

Energy Efficient Housing

## **Abstract**

More often than not, in the rush to deliver housing in large numbers in view of the immense backlog, a unique opportunity to provide environmentally sustainable and energy efficient units is being overlooked. The relatively gentle climate that South Africa enjoys has also resulted in a fairly complacent attitude to energy efficient building construction amongst housing developers. The result is that low cost housing is not designed to take advantage of the climate. Houses tend to be cold in winter and hot in summer, and require significant energy consumption and household expenditure in winter to achieve some level of comfort.

As a result, the energy consumption patterns of low income households in South Africa have emerged as one of the most important factors influencing the national electricity demand and the high levels of air pollution experienced in urban areas. If sound energy principles are not incorporated into the design of low cost housing, beneficiaries are condemned to a future of high energy consumption. This situation is exacerbated by local air quality problems, compromised family health and worker productivity, and increased greenhouse gas concentrations.



**Eric Noir** - Director at the Green by Design Architects and a qualified Architect, did his Bachelor of Architecture at the University of Witwatersrand and has a Diploma of Engineer Architect which he completed with the Engineering School Geneva.

Noir is an experienced Architecture specialising in sustainable built environment designs, urban development frameworks, development strategies, building design and project management. He has over 18 years experience covering a wide range of projects.

## **Title**

The Sustainability Imperative

## **Abstract**

Sustainability could be defined as the science of reducing human negative impacts on the planet with the view of averting/reverting long term damages. The built-environment represents an amazing entry point to address issues of sustainability, not only due to the sizeable portion of the damages attributed to that sector, but more importantly because of the fact that it affects the entire population.

With looming energy crises, the debate on globalization should be re-evaluated with far reaching impacts on the way we envisage our built-environment, its materials, construction techniques and life cycle. Our conditions of employment, skills and training mechanisms need to be adapted. The cities current morphology with a predominantly car based transportation system is becoming obsolete. The building themselves need to treat water, air, waste, while generating energy and food at the minimum.