



# AFRICAN ADVANCED MANUFACTURING AND COMPOSITES SHOW

Composites | Robotics | 3D Print | Lasers

7<sup>TH</sup> - 9<sup>TH</sup> NOVEMBER 2018

NELSON MANDELA BAY STADIUM

PORT ELIZABETH, SOUTH AFRICA

## MATERIALISING A BETTER REALITY

POWERED BY THE MANDELA BAY DEVELOPMENT AGENCY  
HOSTED BY THE ICONIC NELSON MANDELA BAY STADIUM



MANDELA BAY  
**COMPOSITES  
CLUSTER**  
*Materialising growth for the  
composites sector in South Africa*



**the dti**

Department:  
Trade and Industry  
REPUBLIC OF SOUTH AFRICA



**mandela bay**  
DEVELOPMENT AGENCY  
RENEW • REVIVE • INSPIRE

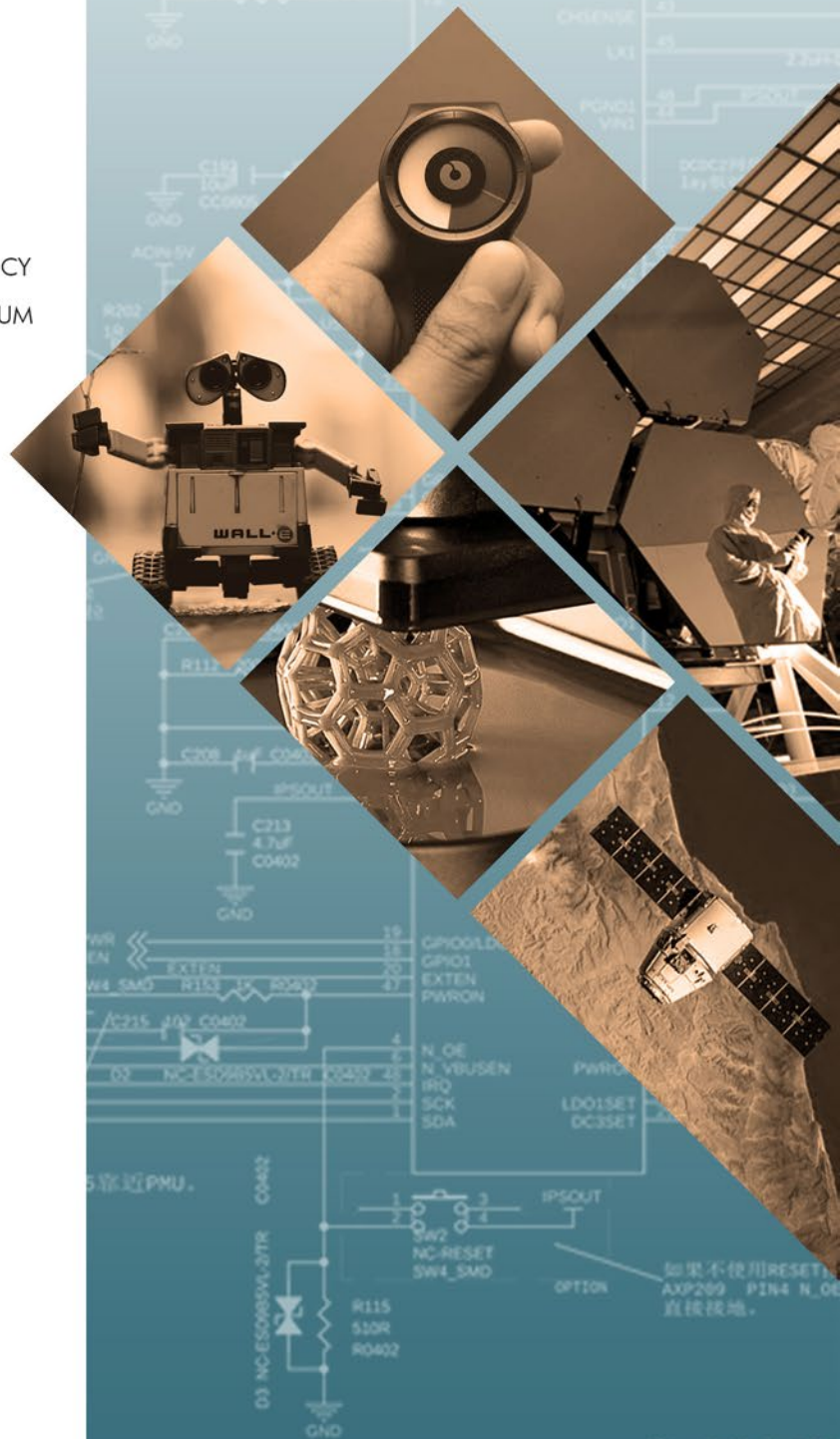


A BRICS Co-operation Initiative



**DUT** DURBAN  
UNIVERSITY OF  
TECHNOLOGY

COMPOSITES,  
BIOCOMPOSITES &  
NANOCOMPOSITES  
CONFERENCE



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## ABOUT

The **African Advanced Manufacturing and Composites Show (AAM&CS)** is Africa's most comprehensive and dynamic trading and networking platform for technology, products and services in Advanced Manufacturing. It brings together, under one roof, role-players in a highly fragmented sector, over vast geographic distances to foster engagement, collaboration and learning towards materialising the theme:

### MATERIALISING A BETTER REALITY

With technology rapidly changing our world, advanced manufacturing and its key components, including IT convergence, computing advances, 3d printing, robotics, lasers and composites, is driving the future and potentially a new economy in Africa and the world.

Given the importance of manufacturing to many African economies, and the increasing interest from investors to African growth markets, Advanced manufacturing (and its efficiencies) should be high on the agenda of any sustainability-seeking manufacturing concern and government whose economy relies on innovation and a manufacturing sector that both exports and provides for internal infrastructural development.

With a focus on international trade, particularly African buyers and sellers, the Advanced Manufacturing Show creates a rare and unique opportunity for collaboration, trade and learning on and with the continent.

## OVERVIEW

TIME	PRE	DAY 1	DAY 2	DAY 3
PRE		SPONSORED BREAKFAST	SPONSORED BREAKFAST	SPONSORED BREAKFAST
AM	LEISURE TOUR	<ul style="list-style-type: none"><li>• EXHIBITION</li><li>• DEMONSTRATIONS</li><li>• COMPOSITES, BIOCOMPOSITES &amp; NANOCOMPOSITES CONFERENCE</li><li>• SEMINAR 1</li></ul>	<ul style="list-style-type: none"><li>• EXHIBITION</li><li>• DEMONSTRATIONS</li><li>• COMPOSITES, BIOCOMPOSITES &amp; NANOCOMPOSITES CONFERENCE</li><li>• SEMINAR 3</li></ul>	<ul style="list-style-type: none"><li>• LEISURE TOUR</li><li>• COMPOSITES, BIOCOMPOSITES &amp; NANOCOMPOSITES CONFERENCE</li><li>• FACTORY TOUR</li></ul>
PM	LEISURE TOUR	<ul style="list-style-type: none"><li>• EXHIBITION</li><li>• COMPOSITES, BIOCOMPOSITES &amp; NANOCOMPOSITES CONFERENCE</li><li>• SEMINAR 2</li></ul>	<ul style="list-style-type: none"><li>• EXHIBITION</li><li>• COMPOSITES, BIOCOMPOSITES &amp; NANOCOMPOSITES CONFERENCE</li><li>• SEMINAR 4</li></ul>	
LATE	COCKTAIL FUNCTION	INDUSTRY AWARDS FUNCTION	DRONE NIGHT RACING	



## PARTICIPATION OPTIONS

### ► EXHIBIT

SUITES (SPACE ONLY) 4mx4m	R 24 000
INDOOR SHELL SCHEME 3mx2m	R 15 000
TABLE TOP 2mx1m	R 4 500
INDOOR (SPACE ONLY) 4mx4m	R 40 000
INDOOR (SPACE ONLY) 6mx3m	R 45 000
RESTAURANT INTERACTIVE EXHIBITS INDOOR SHELL SCHEME 3mx3m	R 15 000
OUTDOOR EXHIBITS(SPACE ONLY) 6mx6m	R 43 200
OUTDOOR EXHIBITS (SPACE ONLY) GRASS OUTDOOR AT LAKE 10mx10m	R 29 000

### BOOK A STAND

- **INDUSTRY SEMINARS (R2290)**
- **FACTORY TOUR (R650)**
- **INDUSTRY AWARDS GALA DINNER (R750)**
- **VISITORS CATALOGUE ADVERTISING (R6500)**
- **COMPOSITES, BIOCOMPOSITES AND NANOCOMPOSITES CONFERENCE**

Option 1: Book as a delegate only R 4800.00

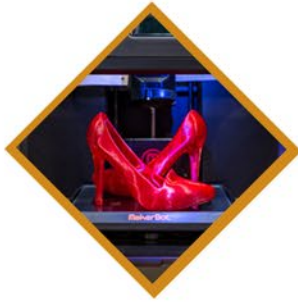
Option 2: Includes conference and 3 nights accommodation R 6750.00

*Both options include a ticket to the African Advanced Manufacturing and Composites Show Industry Awards/ Gala Dinner*

### CONFERENCE & OTHER BOOKINGS

Mandela Bay Composites Cluster participants/members receive a 10% discount on exhibition and seminar bookings. Please indicate your participation/ member status in the online booking system to qualify for this discount.

## WHY ATTEND



### EXPOSE

**your product or service**

(expand your order book) to key role-players in Africa, including certified buyers, nationally and globally



### LEARN

**about trends, advances and opportunities**

with a specific focus on Africa during the Seminars



### EXCHANGE

**ideas and network with peers,**

where a highly fragmented sector is gathered in one location



### NETWORK

**at several social functions**

including factory tours to businesses of interest



### INTERACT

**with new technologies,**

in practical demonstrations and workshops

Pre-Registering as a trade visitor is free and will waive an entry fee payable.

**REGISTER AS A TRADE VISITOR**

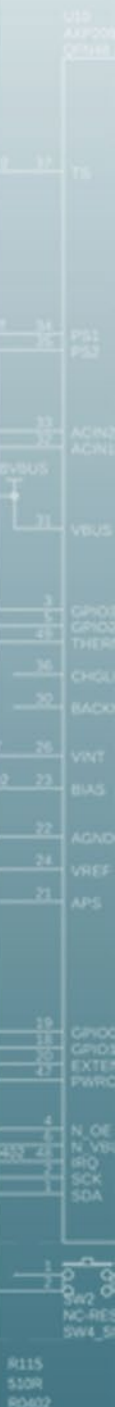
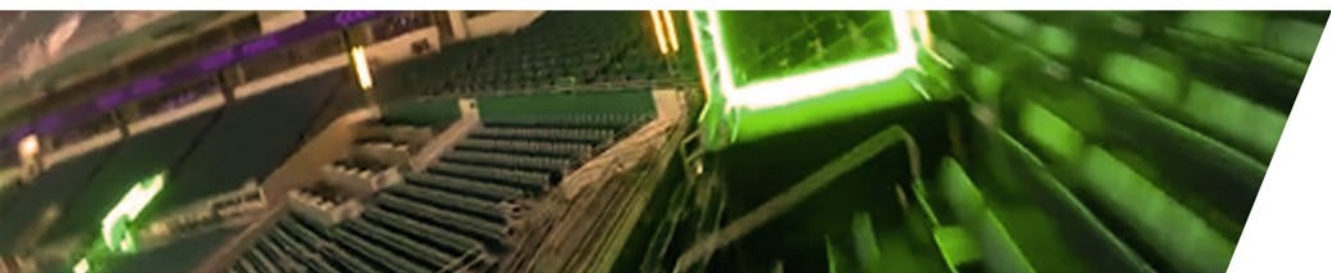


## WHO SHOULD ATTEND

- ▶ **Business Owners/ Industry**
- ▶ **Media**
- ▶ **Researchers, Academia**
- ▶ **Tech Entrepreneurs**
- ▶ **Consumers (selected opportunities)**
- ▶ **Trade**
- ▶ **Local, Provincial & International governments**
- ▶ **Policy Makers**

- Architects
- Engineers, Civil, Mechanical, Chemical, Industrial
- Building Scientists
- Boat Builders
- Automation Companies
- IT, software and computing users and providers
- Aircraft Manufacturers
- Vehicle Manufacturers
- Aviation Manufacturers
- Renewable/Wind energy manufacturers
- Raw material suppliers
- Research and innovation agencies
- Academic institutions and lecturers
- Sustainability managers
- HR and skills development managers
- Glass fibre users (paddles, pools, tanks)
- Composites users (bicycles, sports goods, bodies)
- Scientific Testing and standards organisations
- Construction Companies
- Hobbyists
- Drone enthusiasts
- First-Line Supervisors of Production and Operating Workers
- Industrial Production Manager

- Cutting, Punching, and Press Machine Setters, Operators, and Tenders,
- Metal and Plastic Machinists
- Packaging and Filling Machine Operators and Tenders
- Computer-Controlled Machine Tool Operators,
- Tool and Die Makers
- 3d printing users and suppliers
- Electromechanical Equipment Assemblers
- Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
- Metal and Plastic Extruding and Drawing Machine Setters, Operators, and
- Tenders
- Manufacturing companies
- Companies seeking light-weighting solutions and other composite benefits
- Municipalities seeking to replace expensive, metal, theft prone railings, manhole covers and introduce smart city ideas and industry.
- Government agencies supporting innovation, manufacturing exports, and scarce skill development





## WHY PARTICIPATE

Compared to the rest of the world, the current adoption and impact of industry 4.0 on the African continent remains low - with the opportunity large.

Our team will assist you make meaningful contacts/meetings with industry in Africa at the event.

The event is supported by the South African department of trade and industry and its industry bodies.

AAM&CS is one of the few events of its kind in Africa.

South Africa is a safe, friendly, easy and economical travel destination which is also one of the world's most admired tourism destinations. Visit the expo/conference and see Big 7 game viewing in malaria-free area, go deep sea fishing or play golf on pro-designed natural links courses.

Our office will provide personal assistance to all international delegates, incl, transfers, translation, appointments et al.



## WHY PARTICIPATE

"Real opportunities for the market lie in the African market and we need to industrialise as a continent."

Dr Rob Davies Minister of Trade and Industry: South Africa



the dti

Department:  
Trade and Industry  
REPUBLIC OF SOUTH AFRICA

Compared to the rest of the world, the current adoption and impact of industry 4.0 on the African continent remains low. However, it is a topic that is increasingly being acknowledged and discussed by industry leaders and policy makers, largely because of the impact smart technologies can make at a socio-economic level.

(<https://www.cnbc africa.com/featured/2017/05/05/africa-islandization/>)

If enacted, the African Union's proposed Continental Free Trade Area could double intra-African trade from its 2012 level by 2022.

(<https://www.cnbc africa.com/featured/2017/05/05/africa-islandization/>)



science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

"New manufacturing technologies should also be used to diversify South Africa's economy and expand the number of sectors contributing to the country's exports." Department of Science and Technology (DST) director-general Dr Phil Mjwara



## THE SOUTH AFRICAN ECONOMY

The economy of South Africa is the second-largest in Africa, behind Nigeria. South Africa accounts for 24 percent of Africa's gross domestic product and it is ranked as an upper-middle-income economy by the World Bank – one of only four such countries in Africa (alongside Botswana, Gabon and Mauritius).

Since 1996, at the end of over twelve years of international sanctions, South Africa's Gross Domestic Product has almost tripled to \$400 billion, and foreign exchange reserves have increased from \$3 billion to nearly \$50 billion; creating a diversified economy with a growing and sizable middle class, within two decades of establishing democracy and ending apartheid.

South Africa is a partner in the BRICS (Brazil, Russia, India, China, South Africa) agreement and benefits from preferable trade with those countries.

## AFRICA AND MANUFACTURING OPPORTUNITIES

Worldwide, the future of manufacturing is uncertain. Thanks to emerging technologies such as mobile connectivity, artificial intelligence, next-generation robotics, and 3D printing, supply chains and factory floors face transformations as significant as any since the last industrial revolution. This “Fourth Industrial Revolution” will feature new forms of collaboration that drive innovative value chains and business models that could leave traditional industrial patterns in the dust.

Influenced by these global manufacturing trends, Africa has its own challenges. In order to develop its economic infrastructure and to improve its balance of payments, local beneficiation of the continent's natural resources and agricultural products is essential. The United Nations expects that Africa's population will double to 2.5 billion people by 2050. The middle class is rising, indicating an increase in consumption. Moreover, the population growth indicates a dramatic need for employment.

Africa has no alternative to developing a strong value-added manufacturing base. The continent, however, has a way to go: in 2014, 30 per cent of China's GDP came from manufacturing, according to the World Bank. By comparison, Nigeria's share stood at just 9 per cent, Kenya 12 per cent, Zambia 8 per cent.

Africa has ample opportunities to grow its manufacturing base in a broad range of industries. Local beneficiation of resources in for example oil and gas is one example. Moreover, the growth of the population will spur growth in direct consumer industries such as food/agriculture and beverage, home and personal care, apparel, and even automotive. Other likely target sectors include secondary industries such as building and infrastructure due to further urbanization and the need for infrastructure investments.



## SEMINAR (DRAFT PROGRAM)

Bookings can be made for each individual seminar. Each Seminar costs R 2290.00

### CONFERENCE & OTHER BOOKINGS

**SEMINAR 1** – DAY 1 (AM) THEME – Strategy And Policy in support of Advanced Manufacturing

**SEMINAR 2** – DAY 1 (PM) THEME – Additive Manufacturing (AM)

**SEMINAR 3** – DAY 2 (AM) THEME: Automation And Artificial Intelligence

**SEMINAR 4** – DAY 2 (PM) THEME: The Future

[Click here to view detailed program](#)

# INTERNATIONAL CONFERENCE ON COMPOSITES, BIOCOMPOSITES AND NANOCOMPOSITES

The Composite Research Group (CRG) from the Department of Mechanical Engineering at the Durban University of Technology in Durban, South Africa is hosting their Third International Conference on Composites, Biocomposites and Nanocomposites (ICCBN). The conference hosts leading researchers, scientists and experts from around the world.

Research involving COMPOSITE, BIOCOMPOSITE AND NANOCOMPOSITE materials are widespread and continually increasing. Their versatility is extensive and their uses in various applications are growing daily. The increased use of these advanced materials has raised concerns regarding their fabrication methods as well as their impact on people and the environment. Therefore this conference has adopted a variety of themes to address these and other areas of interest. Delegates are invited to submit abstracts for oral or poster presentations.

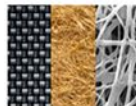
Abstract submission:	30 April 2018
Abstract acceptance notification:	15 May 2018
Full paper submission:	31 August 2018
Paper acceptance notification:	15 September 2018
Early registration:	01 May – 31 August 2018
Late registration:	01 September – 09 November 2018

## Conference Fees

**Option 1:** Book as a delegate only R 4800.00

**Option 2:** Includes conference and 3 nights accommodation R 6750.00

Both options include a ticket to the African Advanced Manufacturing and Composites Show Industry Awards/ Gala Dinner



## CONTACT:

**AVINASH RAMSAROOP**

Senior Technician

Department of Mechanical Engineering Durban University of Technology

Tel: +27 31 373 2231

Email: [avinashr@dut.ac.za](mailto:avinashr@dut.ac.za)



## EXHIBITION

### BOOK A STAND

Display your brand, product / service in a dynamic way over 2 days at any one of the following exhibition spaces:

**Indoor Scheme Package**, including plug, lights and printed company fascia name:  
3mx3m and 3mx2m

**Indoor Space only Package**, includes electrical plug point only:  
6mx3m and 4mx4m

For assistance, designs and quotes on customised stands and branding, please contact the organisers (Inkanyezi).

**Indoor Suites package includes:**

electrical plugpoint, and serving/hosting/bar area – no shell scheme.

**Outdoor space only:**

6mx6m includes plugpoint on level paved surface.

10mx10m on grass, includes access to lake for water demos

## FURNITURE

Orders for furniture, brochure holders etc can be made online.

**CLICK HERE TO ORDER**

## CUSTOM STAND BUILDERS

If you have chosen a space only exhibition location and require assistance with creating an engaging custom display, that will set you apart, please contact Inkanyezi Events Organisers for great ideas, designs and quotes.

**Graziella Ventresca – Norton**

Tel: 041 3630310 | Email: [graziella@inkanyezi.co.za](mailto:graziella@inkanyezi.co.za)

## LOGISTICS SUPPLIER

Exhibitors wishing to set up machinery / robots etc at the Exhibition or who wish to courier material to the show, are please to utilise DB Schenker (the official logistics supplier).

DB Schenker will transport, store your goods in Port Elizabeth and then deliver them to your stand at the Stadium

**CONTACT: Desmond Rohrbeck, General Manager Event Logistics**

Phone +27 11 971 8620 (direct) | Cell: +27 83 677 3987

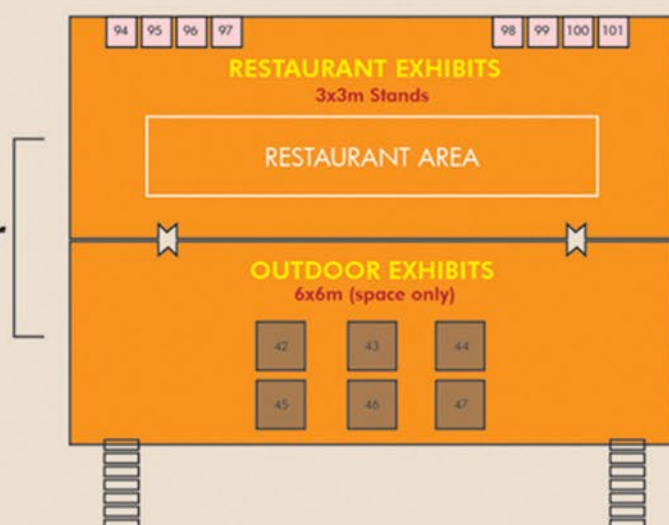
Email Address: [Desmond.Rohrbeck@dbschenker.com](mailto:Desmond.Rohrbeck@dbschenker.com)

# VENUE FLOORPLAN

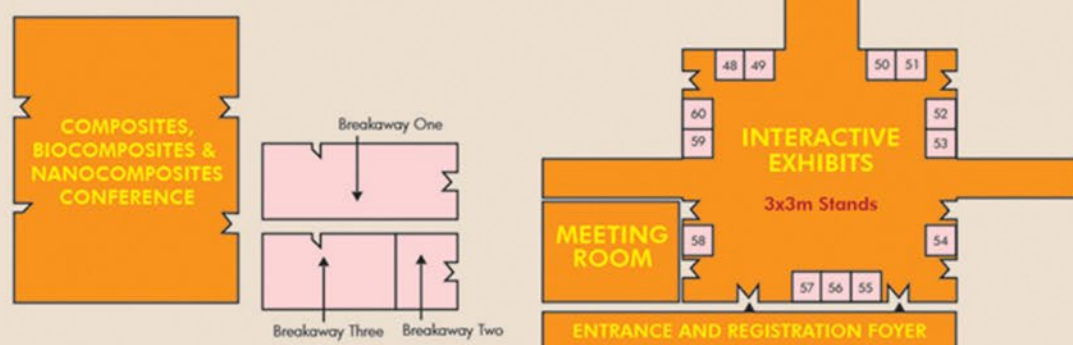
4<sup>th</sup> Floor



2<sup>nd</sup> Floor



1<sup>st</sup> Floor



West Entrance

WATER EXHIBITS

North End Lake



## VENUE (Nelson Mandela Bay Stadium)



The first ever African Advanced Manufacturing and Composites Show will take place in the city of Port Elizabeth in South Africa



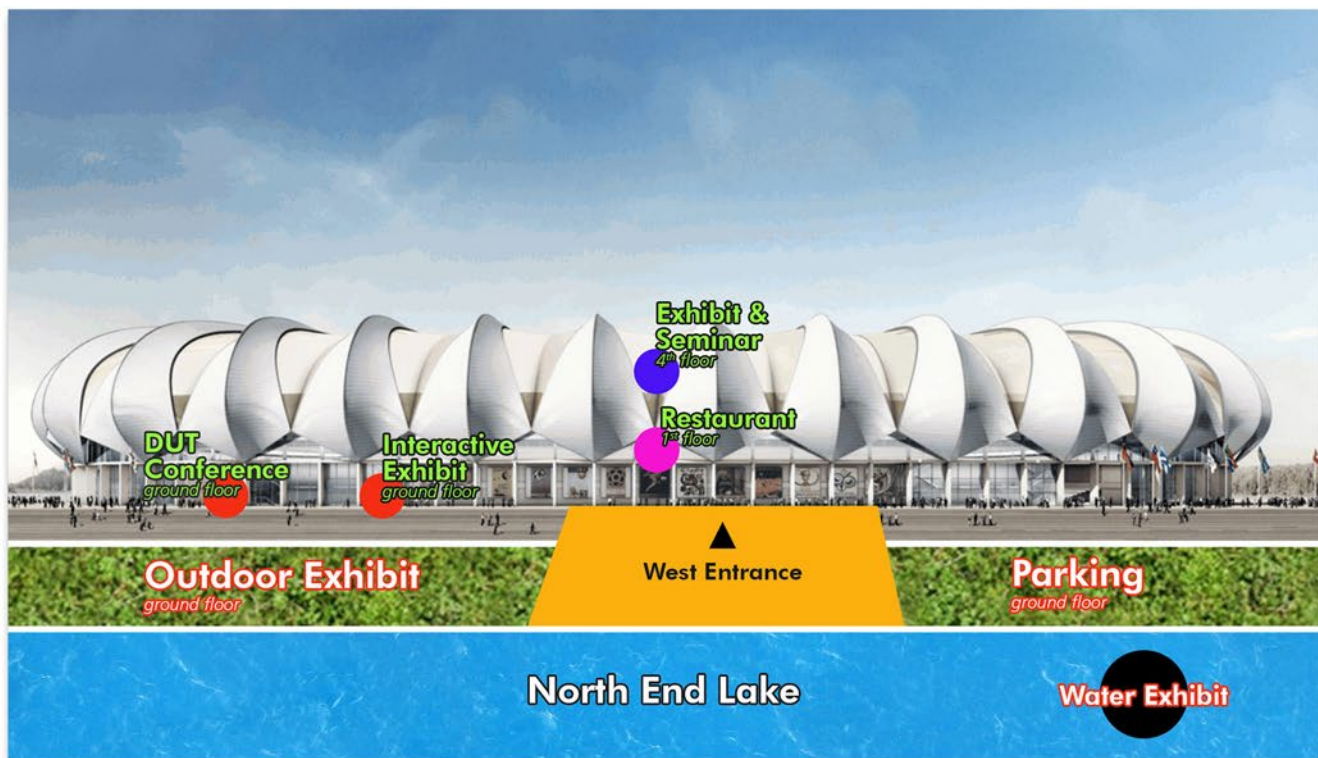
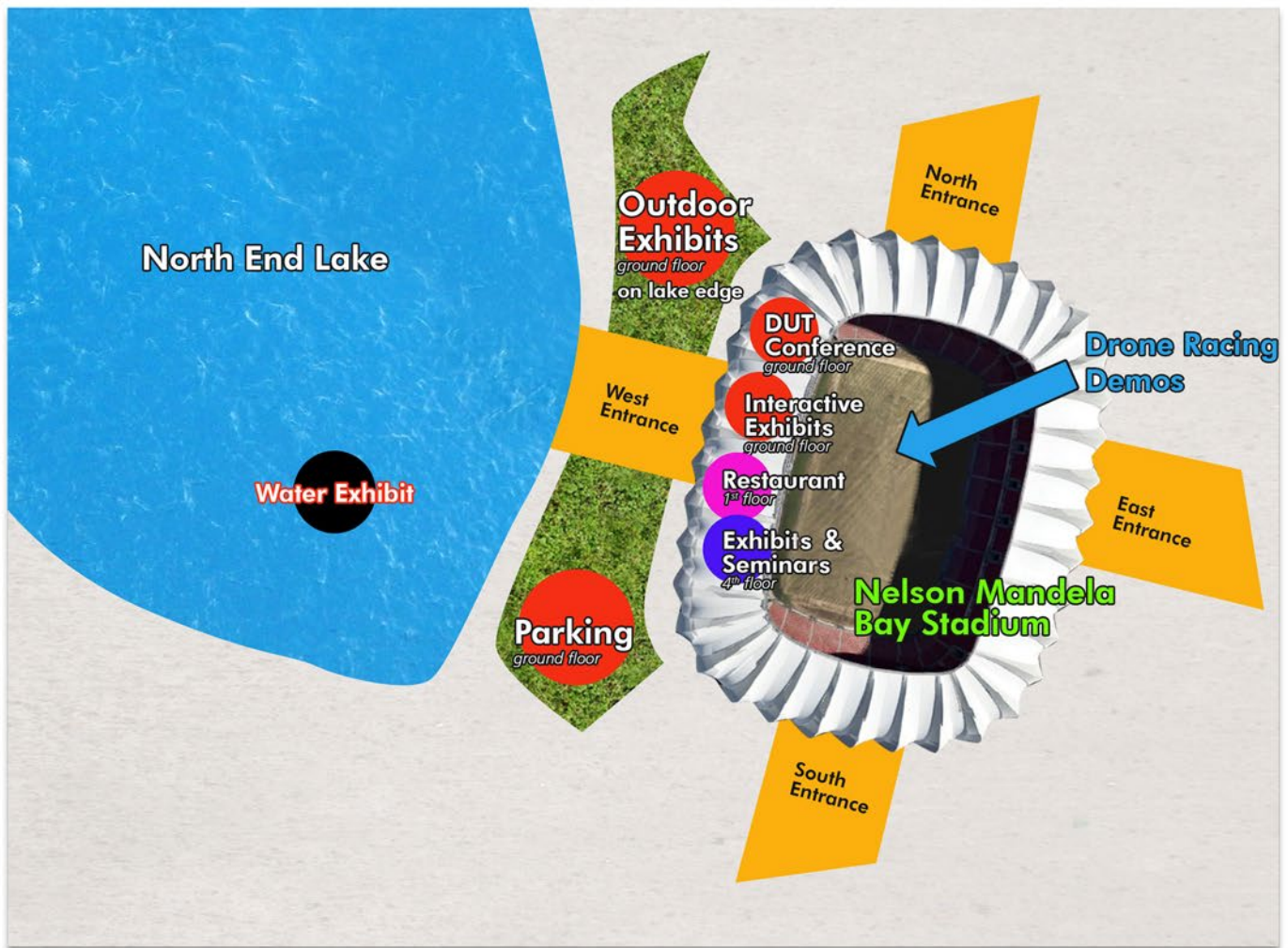
The Nelson Mandela Bay Stadium is a 46,000-seater stadium in Port Elizabeth, Eastern Cape, South Africa. The five-tier, R2 billion Nelson Mandela Bay Stadium was built overlooking the North End Lake, at the heart of the city.

**33.9379° S, 25.5994° E**





## VENUE LAYOUT





## PREFERRED ACCOMMODATION ESTABLISHMENTS



### **Boardwalk Hotel**

+27 (0) 41 507 7777

[boardwalk.reservations@suninternational.com](mailto:boardwalk.reservations@suninternational.com)

Beach Road; Summerstrand; 6019;

Port Elizabeth; Eastern Cape; South Africa



### **Beach Hotel**

+27 (0)41 583 2161

[reservations@pehg.co.za](mailto:reservations@pehg.co.za)

Marine Drive, Summerstrand, Port Elizabeth,  
6000, Eastern Cape, South Africa



### **Courtyard Hotel**

+ 27 (0) 41 583 4655

[cype.resv@clhg.com](mailto:cype.resv@clhg.com)

Corner Lodge and Beach Roads

Summerstrand, Port Elizabeth, 6013



### **City Lodge**

+ 27 (0) 41 583 4655

[cype.resv@clhg.com](mailto:cype.resv@clhg.com)

Corner Lodge and Beach Roads

Summerstrand, Port Elizabeth, 6013



### **Road Lodge**

+27 (0) 41 583 4404

[rlpe.dm@clhg.com](mailto:rlpe.dm@clhg.com)

Boardwalk Casino & Entertainment World,  
Marine Drive, Summerstrand, Port Elizabeth,  
6013

# ADVANCED MANUFACTURING INNOVATION AWARDS

- Made annually at the African Advanced Manufacturing and Composites Show
- Evening of 1st day (7 November)
- 300 delegates
- Opportunity for sponsor to share brand and key messages with AM sector

## OBJECTIVE

- Identify promote and reward innovation in the advanced manufacturing and composites industry.
- Popularise Advanced Manufacturing in industry and to learners.
- Showcase South Africa's capabilities in AM and innovation (media)

## AWARDS SCOPE

- 3D printing and related production, robotics, automation and AI, laser cutting and etching, CNC machining,
- materials of the future, application of industry 4.0, software, big data, IOT etc, Composites

## GOLD AND SILVER AWARDS FOR:

- Scholarly impact in advanced manufacturing,
- Industry advancement in advanced manufacturing,
- Export proficiency in AM
- Award that acknowledges import replacement.
- Composites floating trophy for displaying innovation
- Additive manufacturing floating trophy for displaying innovation
- Subtractive manufacturing floating trophy for displaying innovation
- Most promising "start-up or newcomer" awards.

It is noted that between 5 and 10 companies could stand the chance of being selected for an all expenses paid trip to represent South Africa at the JEC World 2019 event in Paris. The sponsorship is made available by the dti. It is hoped that some of our "newcomers" will then be acknowledged by winning similar awards at the international show.

## SHOW RELATED AWARDS:

- Best student paper / presentation (Gold and Silver)
- Best industry paper / presentation (Gold and Silver)
- Best outdoor (including water) exhibit (Gold, Silver and Bronze)
- Best indoor exhibit (Gold, Silver and Bronze)



# ADVANCED MANUFACTURING INNOVATION AWARDS

## AWARDS CRITERIA AND JUDGING :

- An Advisory Panel will soon stipulate awards criteria and appoint judges.
- Call for proposals/nominations to close end September. Nominations have not yet opened.
- Judges evaluate during October.
- Two processes are run; one which is adjudicated before the show (most awards), and the other (show related awards) adjudicated on site at the show (such as the stands, exhibits, posters).
- Advisory Panel members: Prof Mervyn Kanny – DUT, Nkuli Shinga – the dti, Martin Sanne – CSIR, Reshleu Rampershad – TIA, Andrew Young – NMU, Andy Radford – Composites Cluster, Andrew Binning – Inkanyezi Events.

Tickets to attend the Industry Awards/Gala Dinner is R 750.00

**ATTEND INDUSTRY AWARDS**

## FACTORY TOUR

The factory learning tour (exact details to follow) will take place on November 9 from 8am-1 pm.

The itinerary includes companies employing world-class advanced manufacturing technologies and materials and may include a company manufacturing world-leading automation equipment, a manufacturer of niche market exported vehicle bodies and a boat-building company using composites.

The cost is R 650.00 to be part of the factory tour.

**BOOK HERE FOR THE FACTORY TOUR**





## ADVISORY PANEL



**Andy Radford**  
CEO  
Mandela Bay  
Composites Cluster



**Eckard Du Plessis**  
Owner  
Industrial Composites



**Anton Hanekom**  
Executive Director  
Plastics | SA



**Nontombi Marule**  
Director  
Innovation and Technology  
Department of Trade  
and Industry



**Martin Sanne**  
Executive Director  
CSIR Materials Science  
and Manufacturing (MSM)



**Professor Mervyn Kanny**  
Durban University of Technology  
Department of  
Mechanical Engineering



**Oliver Dawson**  
Composites Training  
Academy (CTA)



**Dr Oswald Franks**  
Executive Dean:  
Faculty of Engineering,  
Built Environment &  
Information Technology  
Nelson Mandela University



**Shaun Moses**  
Deputy Director  
Regional Industrial Cluster  
Development –  
Department of Trade  
and Industry

## HOST PARTNERS



## MEDIA PARTNERS



## ENDORSEMENT PARTNERS





## CONTACT

The African Advanced Manufacturing and Composites Show is hosted by the South African government and various industry stakeholders.

The show is co-ordinated by Inkanyezi Event Organisers – whose CEO, Andrew Binning, is the South African representative for The Brazil, Russia, India, China and South Africa (BRICS) Meetings, Incentives, Conventions and Exhibitions (MICE) Co-Operative Forum. Inkanyezi has organised various industry trade shows including the South African Automotive Week, NAACAM Show and International Mohair Summit.

### INKANYEZI EVENT ORGANISERS

Email: [support@inkanyezi.co.za](mailto:support@inkanyezi.co.za)

Tel: +27 41 363 0310



For partnership and strategic enquiries contact:

#### ANDREW BINNING

CEO Inkanyezi Events  
+ 27 (0) 82 372 9247  
[andrew@inkanyezi.co.za](mailto:andrew@inkanyezi.co.za)



For event enquiries contact:

#### GRAZIELLA VENTRESCA-NORTON

Project Manager  
[graziella@inkanyezi.co.za](mailto:graziella@inkanyezi.co.za)



A **BRICS** Co-operation Initiative

