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# Women in Science

8 – 10 December 2015, Sandton Sun Hotel, Johannesburg, South Africa

**Proactively Advancing and Promoting Women in the Pursuit of Changing the Face of Science**

**FEATURED KEYNOTE PRESENTATIONS:**

**Dr. Aprille Ericsson**, SBIR/STTR Program Manager, **Innovative Technology Partnerships Office, NASA**  
Achievement:  
 The first African American woman to receive a Ph.D. in Mechanical Engineering from Howard University

**Dr. Adriana Marais**, Theoretical Physicist, **Quantum Research Group**  
Achievement:  
 The winner of the 2015 L'Oréal-UNESCO Women in Physics award. From more than 200 000 applicants across the world, she is one of 100 potential astronauts shortlisted for a one-way expedition to Mars.

**Dr. Buyisiwe Sondezi**, Scientist and Physics Lecturer, **University of Johannesburg**  
Achievement:  
 The first woman in Africa to be awarded a doctoral degree in experimental physics

**Our Esteemed Panel:**

- Dr Margaret Mkhosi**, Senior Manager, **Necsa**
- Kate Munnik**, Senior Marine Scientist, **Lwandle Technologies**
- Bongiwe Mbebe**, Senior Specialist-Metallurgy: SARA, **National Nuclear Regulator**
- Dr. Tanya Hughes**, R&T Analytics Scientist, **Sasol Technology**
- Kariska Potgieter**, Medical Scientist, **National Institute for Occupational Health**
- Professor Nulda Beyers**, Director, **Desmond Tutu TB Centre**
- Dr. Daphney Bucher**, Research Scientist, **iThemba Labs**
- Dr. Cynthia Chiang**, Astrophysics Lecturer, **University of KwaZulu-Natal**
- Dr. Lisa du Toit**, Senior Lecturer of Pharmaceutical Chemistry, **University of the Witwatersrand**
- Dr. Sarita Maree**, Molecular Biologist, **University of Pretoria**
- Dr. Malebo Tibane**, Senior Lecturer in Department of Physics, **University of South Africa**

- Kenda Knowles**, Fellowship Doctoral, 2015 South African Women in Science Award Nominee
- Dr. Oghenetega Ighedo**, Senior Lecturer, **University of South Africa**

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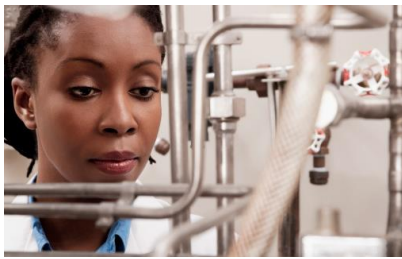
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**South Africa**





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Dear Woman in Science,

*“For what is done or learned by one class of women becomes, by virtue of their common womanhood, the property of all women.” - Elizabeth Blackwell*

Elizabeth Blackwell was the **first female physician** in the United States and the first woman to be registered on the UK Medical Register. History is replete with women breaking the gender barrier and entering into fields of science previously dominated by men. However, that has not changed the global sentiment that science is still a man's world.

Government, higher education institutions and industry are pushing forward campaigns to **draw more women into science**, as they are seen as solution providers to the intrinsic needs of the African continent, primarily in the alleviation of poverty. **Women are seen to bring diversity in the way they utilize technology and innovations** in the development of solutions such as food production and water and sanitation. To say that these are the only areas female scientists can add value to would be shortsighted indeed.

Women the world over continue to make great strides to advance their research and find solutions through science to the needs of their regions. With that in mind, **AMC International's inaugural Women in Science conference** is an opportunity to take stock of the accomplishments of women in science so far and glean over ideas and inspirations for the future.

This event boasts a line-up of eclectic women in science across the spectrum that will come and showcase the history and impact they have made in their positions. Take this opportunity to discover your potential and capitalize on the prospects now available in this digital age. From the role you can make in meeting social needs, to taking advantage of social media, and partnerships and mentorship programs, this not-to-be missed event will ensure the next standing ovation will be made for you!

**PS: LIMITED SEATS AVAILABLE!**

Best regards,

**Chipo Chibaya**  
Project Director  
**AMC INTERNATIONAL**

## Our Esteemed Panel Achievements:

**Dr Margaret Mkhosi**

### Achievement:

South Africa's first female nuclear engineer

**Kate Munnik**

### Achievement:

Published oceanographer

**Kariska Potgieter**

### Achievement:

The winner of “Best national presenter at the Young Spectroscopist's Symposium for 2013”

**Professor Nulda Beyers**

### Achievement:

She has received many awards and honours for her research work into tuberculosis and founded the Desmond Tutu TB Centre

**Dr. Daphney Bucher**

### Achievement:

One of the pioneers in Nuclear Physics

**Dr. Cynthia Chiang**

### Achievement:

Recently returned from Antarctica after participating in SPIDER, an experiment which studies the earliest moments of the universe's creation.

**Dr. Lisa du Toit**

### Achievement:

Multiple award winner for recognition of outstanding research achievement and contribution, including Claude Leon Foundation Merit Award – Awarded to emerging researchers, 2014.

**Kenda Knowles**

### Achievement:

The winner in the Doctoral Fellowship category at the 2015 Women in Science Award

**Dr. Oghenetega Ighedo**

### Achievement:

The first black female pure mathematics PhD graduate

## Who should attend?

Deputy Executive Directors/ Chief Directors/ Heads of the Department/ Principal investigators/ Vice Principals/ Director Generals/ Pioneers/ Assistant Director-Generals/ Deans/ Professors/ Lecturers/ Directors of Departments/ Directors of Research Departments/ Research Group Leaders/ Senior Scientists/ Principal Research Scientists/ Physicist Researchers/ Marine Biologists/ Molecular Biologists/ Scientists/ Mineralogy: Geologists/ Medical Scientists/ Senior Environmental Scientists/ Environmental Scientists/ Research Specialists/ Astronomers/ Associate Professors/ Researchers/ Field application specialists/ Senior Physiotherapists/ Palaeobiologists/ Microbiologists/ Senior Lecturers/ Wildlife Biologists/ Research Managers/ Biologists/ Field Biologists/ Marine Biologists/ Postgraduate Students/ Postdoctoral Researchers/ Junior Scientists/ PhD Students

## SPA VOUCHER TERMS & CONDITIONS

*Voucher may only be redeemed on Tuesdays, Wednesdays or Thursdays • Voucher is not redeemable on a Friday, Saturday, Sunday, Monday or Public Holiday • Subject to availability • Not redeemable for the month of December or January • Valid for 6 months from date of issue • Voucher is not redeemable for cash or transferable and is valid ONLY for the treatment stipulated on the voucher • Voucher is valid for one (1) person • Mangwanani has a strict no refunds policy • Cancellations of bookings and/or no-shows will result in a 100% forfeit of the full booking value • No commissions payable to booking agents. • Call 0860 55 00 55 to make your reservation*

## Pre-conference Day: 8 December 2015

08:15 Registration

09:00 Opening Remarks from the Chairman

### Workshop A: 8 December 2015

9:00 – 11:00

#### Conducting a Mind-Map of Your Career and Strategically Meeting Your Goals and Objectives

##### Workshop Description:

- Discussing the benefits of mind mapping
- Identifying the mind-mapping tools and techniques
- Evaluating your short term career planning
- Outlining the steps to achieve that
- Useful tools for long-term career mapping and planning

##### Your Facilitator:

**Dr. Sarita Maree**, Molecular Biologist, University of Pretoria

### Workshop B: 8 December 2015

11:00 – 12:30

#### Capacity Building Initiatives For Women In Research

##### Workshop Description:

This workshop will cover:

- Women in science, doing research for impact
- Mentorship – an important tool in achieving better human capital development outcomes
- Motivating women to enroll into the field of science and technology
- Discussing the doors that science opens for women keen to participate in research and innovation

##### Your Facilitator:

**Dr. Daphney Bucher**, Research Scientist, iThemba Labs

# Conference Day 1: 9 December 2015

08:15 Registration

09:00 Opening Remarks

Chairman: **Dr. Buyisiwe Sondezi**, Scientist and Physics Lecturer, **University of Johannesburg**

## HARNESSING POTENTIAL TO ACCOMPLISH CHANGE

09:10 **Keynote Address: Highlighting the Significant Challenges that are being faced by Industry and strategies for benefiting from the opportunities**

- Pinpointing the current biggest inhibitor to progress
- Understanding the strategies that are imperative to ensuring your business is well-positioned
- The role of the industry in facilitating economic growth

**Dr. Buyisiwe Sondezi**, Scientist and Physics Lecturer, **University of Johannesburg**

09:50 **Game Changer: Establishing Interventions within Your Organization Employed To Bridge the Gender Gap**

- Identifying the disparities between genders
- Formulating internal policies to mitigate these gaps
- Implementing support structures

**Dr Margaret Mkhozi**, Senior Manager, **Necsa**

10:30 **Contextualizing the Diversity That Women Bring To Researching New Frontiers**

- Incorporating gender differences into the dynamics of leadership styles
- Harnessing the role of women as agents of change

**Dr. Tanya Hughes**, R&T Analytics Scientist, **Sasol Technology**

11:10 Morning Refreshment and Networking Break

11:40 **Game Changer: Strengthening the Unique Contributions Made In Breaking Barriers and Increasing Productivity**

- Effectively taking advantage of human potential in rapidly changing areas
- Improving the utilisation of technology
- Handling the obstacles that arise in the process

**Bongiwe Mbebe**, Senior Specialist-Metallurgy: SARA, **National Nuclear Regulator**

12:20 **Panel Discussion: Discussing the Opportunities That New Research Can Provide Economically, Socially and Environmentally**

- Discussing latest developments in new research
- The benefits of a good role model
- Conducting a self-appraisal

**Kate Munnik**, Senior Marine Scientist, **Lwandle Technologies**

**Dr. Cynthia Chiang**, Astrophysics Lecturer, **University of KwaZulu-Natal**

1:00 Lunch and Networking Break

## INDUSTRY PERSPECTIVE

14:00 **Keynote Address: Discussing the Interventions Which Have Done Well In Getting Women Ahead**

- Evaluating the partnerships that have globally promoted women in science
- The role of government in social development
- Prioritizing the participation of women

**Dr. Aprille Ericsson**, SBIR/STTR Program Manager, **Innovative Technology Partnerships Office, NASA**

14:40 **Game Changer: Identifying and Exploiting the Innovations Available For Increasing Industrial Productivity**

- Discussing the direction the industry is headed in terms of innovative breakthroughs
- Ascertaining the impact research innovations have on providing useful solutions
- Capitalizing on these innovations

**Dr. Lisa du Toit**, Senior Lecturer of Pharmaceutical Chemistry, **University of the Witwatersrand**

15:20 Afternoon Refreshment and Networking Break

15:50 **Reassessing the Inhibitions Peculiar to Field Of Science and Building the Capacity of Women**

- Driving the agenda to promote women entering into the field
- Creating channels that make access to opportunities attainable

**Kenda Knowles**, Fellowship Doctoral, 2015 South African Women in Science Award Nominee

16:30 Closing Remarks from the Chairman

## Conference Day 2: 10 December 2015

08:15 Registration

09:00 Opening Remarks from the Chairman

09:10 **Keynote Address: Recognising and developing partnerships which maximize on current economic opportunities**

- Capitalising on corporate social responsibility for strategic sustainable growth

**Dr. Adriana Marais, Researcher, Quantum Research Group**

9:50 **Discussing How Science and Technology Is Paving the Way for Supporting Social Needs and Promoting Leadership in Women**

- Identifying and assessing social needs such as poverty, food security and job creation
- Improving social issues and systems through science and technology
- Evaluating the function of women in remedying leadership disparities

**Dr. Malebo Tibane, Senior Lecturer in Department of Physics, University of South Africa**

### TAPPING INTO OPPORTUNITIES TO ADVANCE YOUR CAREER

10:30 **Game Changer: Maximizing On the Impact of Social Technology on Personal Growth and Successfully Branding Yourself**

- Identifying the most influential technologies available
- Evaluating which social media are for you
- Ascertaining whether you have the appropriate resources

**Dr. Daphney Bucher, Research Scientist, iThemba Labs**

11:10 Morning Refreshments and Networking Break

11:40 **Game Changer: Adapting Effectively and Making a Valuable Contribution in a Male Dominated Environment**

- Cultivating your authenticity
  - Strategies for ensuring you advance in your career
  - Successfully entering into a male environment and persevering
- Professor Nulda Beyers, Director, Desmond Tutu TB Centre**

12:20 **Recognising Emerging Trends and Innovations in Science and Technology and How They Can Take Your Career Forward**

- Factoring the increasing significance of changing technologies
- Increasing your participation in utilizing these new innovations
- Overcoming the stereotypes

**Kariska Potgieter, Medical Scientist, National Institute for Occupational Health**

13:00 Lunch and Networking Break

14:00 **Increasing Your Personal Performance, Input and Involvement**

- Instilling discipline and investing in yourself
- Prioritizing resources available to you
- Changing your outlook and improving your decision making tools

**Dr. Oghenetega Ighedo, Senior Lecturer, University of South Africa**

14:40 **Peer Exchange: (15 minutes Open Floor Discussion Sessions)**

**Topic 1:** Demystifying the “imposter syndrome”

**Topic 2:** Overcoming the persistent lack of support in the workplace

**Topic 3:** Motivating and mentoring those pursuing a career in science

**Topic 4:** Changing perceptions and making a valid contribution

15:40 Closing Remarks from the Chairman



# Women in Science

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## Registration Form

Thank you for your interest in the conference. To register, please provide the following information

### Delegate(s) Information

1. Dr. /Mr. /Mrs. /Miss:	_____	Email:	_____
Department:	_____	Mobile:	_____
Position:	_____		
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Department:	_____	Mobile:	_____
Position:	_____		
3. Dr. /Mr. /Mrs. /Miss:	_____	Email:	_____
Department:	_____	Mobile:	_____
Position:	_____		
4. Dr. /Mr. /Mrs. /Miss:	_____	Email:	_____
Department:	_____	Mobile:	_____
Position:	_____		

### Register Me / Us for The Following

2 Day Summit & Workshop = R9 890.00 ex VAT     2 day Summit only = R8 480.00 ex VAT     Workshop = R5 720.00 ex VAT

NB: Above fees exclude accommodation

### Authorization

Signatory must be authorized to sign on behalf of contracting organization

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### TERMS AND CONDITIONS

Accepted applications to attend the AMC International conference or training course ("Event") are in every case subject to these terms and conditions:

- Payment Terms** – Payment is due in full upon completion and return of the registration form. Due to limited conference space we advise early registration and payment by credit card to avoid disappointment. AMC International reserves the right to admit or refuse admission to delegates who have not shown proof of payment of conference fees or not agreed to sign an indemnity form.
- Speakers** - Views of Speakers at any Conference or Training Course – are their own and do not necessarily reflect the views of AMC International, its employees, agents or contractors.
- Delegate Substitutions** – Provided the fee has been paid in full, within the time frame as per our terms and conditions, substitutions at no extra charge can be made up to 10 working days, before the start of the Event. (Send notification for any such changes in writing for the attention of the Customer Services Manager at info@amc-intsa.com).
- Delegate Cancellations** – must be received by AMC International in writing and must be addressed to the Customer Services Manager at info@amc-intsa.com,
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  - Any cancellations received less than 10 working days before the Event start-date, do not entitle the cancelling delegate to any refund or credit note and the full fee must be paid;
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- Warranty of Authority** – The signatory warrants that he/she has the authority to sign this Application and agrees to be personally liable to AMC International for payments falling due pursuant thereto should such warranty be breached

### FIVE WAYS TO REGISTER

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