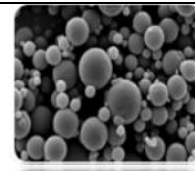




# I<sup>1</sup> SA NANO ENERGY 2017

SYMPOSIUM ON NANOTECHNOLOGY AND ENERGY IN SOUTH AFRICA  
 Venue: SAASTA, Didacta Building, 211 Nana Sita Street, Pretoria  
 26 October 2017; Time: 09:00-17:30



08:00-08:50			Arrival and Registration		
<b>Opening Session</b>					
<b>Programme Facilitator: Dr Mthuzeli Zamxaka: SAASTA NPEP</b>					
Time	Activity		Presenter		
09:00-09:10	Welcome remarks		<i>Dr Jabu Nukeri: MD SAASTA</i>		
09:10-09:25	Opportunities for women in the energy sector: DoE view		<i>Ms Elizabeth Marabwa: DoE</i>		
09:25-09:40	New Horizon: Nanotechnology prospects in the energy industry		<i>Dr Tracy Bromfield: Sasol</i>		
09:40-09:55	Swiss Education, Research and Innovation		<i>Ms Jacqueline Friedenthal: Swiss Embassy</i>		
09:55-10:30	Panel Discussion		<i>All</i>		
10:30-10:50			<b>Tea Break</b>		
<b>Session Title:</b> Policy context for utilisation of nanotechnology in the energy sector					
<b>Session Objectives:</b> Understanding the policy environment for nanotechnology and its relevance to the energy sector in South Africa					
<b>Programme Facilitator: Ms Cristina Pinto: DST</b>					
10:50 – 11:05	Safer and sustainable nanotechnology: the need for risk assessment		<i>Professor Mary Gulumian: NIOH</i>		
11:05-11:20	Driving the National Nanotechnology Strategy through research and postgraduate funding		<i>Ms Sphumelele Duma: NRF</i>		
11:20-11:35	Contribution of HySA programme in production of clean energy in South Africa		<i>Dr Cosmas Chiteme, DST, HySA</i>		
11:35-11:50	The EU role in championing Cleaner, Greener, Cheaper renewable energy as a contribution to SDGs and reversing Global Climate Change		<i>European Union</i>		
11:50-12:15	Panel Discussion		<i>All</i>		
<b>Session Title:</b> Nanotechnology and energy research					
<b>Session Objectives:</b> Showcasing cutting-edge nanotechnology in energy research					
<b>Programme Facilitator: Prof KI Ozoemena: WITS</b>					
12:15-12:30	Investigation of luminescent properties of up- and down-converting rare earth-based nanoparticle phosphors		<i>Prof MS Dhlamini: UNISA</i>		
12:30-12:45	Nanostructured materials in advanced batteries, supercapacitors and fuel cells		<i>Prof KI Ozoemena: WITS</i>		
12:45-13:00	Synthesis and Characterization of Nanostructured Cathode materials for enhanced Lithium-ion batteries/renewable energy storage		<i>Dr Natasha Ross: UWC</i>		
13:00 -13:15	Development of Local Cleaner, Greener, Efficient and Cheaper renewable energy resources/Industry in SA/Africa.		<i>Ms Ntombifuthi Ntuli : CSIR</i>		
13:15 -13:45	Panel Discussion		<i>All</i>		
13:45-14:30			<b>Lunch Break</b>		
<b>Session Title:</b> Industry and commercialisation support					
<b>Session Objectives:</b> To highlight opportunities provided by government towards innovation and commercialisation support					
<b>Programme Facilitator: Dr Steven Mufamadi : NABIO</b>					
14:30-14:45	Industrial-scale production of nano-structured materials		<i>Dr Manfred Scriba : CSIR</i>		
14:45-15:00	Hydrofuel: Nano-based Diesel & Petrol		<i>Mr C J Hansen: Naf-Tech Energy</i>		
15:00-15:15	IDC Strategy on funding/supporting of activities with commercial potential in the nanotech space		<i>Mr David Sekgororwana: IDC</i>		
15:15-15:30	Innovation support programme		<i>Dr Tshenge Demana: theDTI</i>		
15:30-16:00	Panel Discussion		<i>All</i>		
<b>Engagement Session:</b> Take home messages					
<b>Session Objectives:</b> To highlight key messages and way forward from all the panel discussions					
<b>Programme Facilitator: Mr. Michael Ellis: SAASTA</b>					

16:00-16:45	Panel discussion: Symposium summary, key ideas and future developments <i>(Audience engagement through digital platform)</i>	<b>Panel: - one key speaker from each of the above sessions</b>
16:45-17:00	Closure and vote of thanks	<b>Mr Matlala Moloko: SAASTA</b>