

# PROGRAMME ENERGY

THURSDAY 8 OCTOBER 2015

|              |  |
|--------------|--|
| 07:30        | Conference registration  |
| 08:30        | Plenary session  |
| 10:30        | Tea break  |
| <b>11:00</b> | <b>Energy I</b><br>Session chair: Dr Michael Thackeray, Leader and Senior Scientist at Argonne National Laboratory, USA                            |
| 11:00        | Keynote address: The future of energy systems<br>Prof Clemens Hoffmann, Fraunhofer Institute for Wind Energy and Energy System Technology, Germany |
| 11:30        | Advanced storage materials and batteries for a renewable era<br>Prof. Kenneth Ozoemena, CSIR   |
| 11:55        | Smoothing out the volatility of SA's wind and solar PV energy resources<br>Crescent Mushwana, CSIR   |
| 12:20        | Towards the development of hydrogen storage technologies for clean energy applications<br>Dr Henrietta Langmi, CSIR                                |
| 12:45        | Discussion, questions and answers  |
| 13:00        | Lunch  |
| <b>14:00</b> | <b>Energy II</b><br>Session chair: Dr Clinton Carter-Brown, Technical Director – Energy Services, Aurecon  |
| 14:00        | Keynote address: The global impact of energy storage research<br>Dr Michael Thackeray, Argonne National Laboratory                                 |
| 14:30        | The Wind Atlas for South Africa: A tool to aid developers and decision-makers<br>Eugène Mabile, CSIR   |
| 14:55        | The impact of energy efficiency interventions on industry – the Industrial Energy Efficiency Project in South Africa<br>Alfred Hartzenburg, CSIR   |
| 15:20        | The costs and benefits of the first renewables in South Africa<br>Dr Tobias Bischof-Niemz, CSIR  |
| 15:45        | Discussion, questions and answers  |
| 16:00        | Visit the exhibition   |