# 2017 CHPC National Conference

# Wednesday 06 December 2017

### Computational Mechanics: I - Voltaire (11:00-12:30)

   **-Conveners: Muaaz Bhamjee**

| time | [id] title | presenter |
|------|-----------|-----------|
| 11:00 | [68] Computational Fluid Dynamics in Renewable Energy and High-Speed Transport | Prof. CRAIG, Ken |
| 11:30 | [61] Performance Analysis of an HPC Implementation for Large-Scale Propagation Prediction | Mr HAVENGA, Johan |
| 11:50 | [163] Computational Aeroacoustic Modelling Using Hybrid RANS/LES Methods With Modified Acoustic Analogies | Mr ZAMA, Zamashobane |

### Computational Mechanics: II - Voltaire (13:30-15:00)

   **-Conveners: Ken Craig**

| time | [id] title | presenter |
|------|-----------|-----------|
| 13:30 | [118] Modelling of Multiphase Flow in Process Equipment: The Trade-off between Accuracy and Computational Efficiency | Dr BHAMJEE, Muaaz |
| 14:00 | [159] Computational modelling of furnace tapholes – a case study in life at the interface between academic and industrial research | Mr ERWEE, Markus<br>Dr REYNOLDS, Quinn |
| 14:30 | [33] Adjusting empirical relationships in a turbulence model | Mr ERFORT, Gareth |