

TOTeM

TOPIC ORIENTATED TECHNICAL MEETING



#TOTeM45: Gas turbines for future energy systems

3-4 • SEPTEMBER • 2018
CARDIFF • UNITED KINGDOM



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OUTLINE PROGRAMME

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DAY ONE - MONDAY 3rd SEPTEMBER

SESSION 1: OPENING SESSION 10:00 - 11:00

- Welcome and introduction - Mr Philip Sharman, IFRF, UK
- Keynote - Prof Khawar Syed, GE, Switzerland

REFRESHMENT BREAK 11:00 - 11:30

SESSION 2: GTs FOR FLEXIBLE POWER 11:30 - 13:00 (operational flexibility, fuels flexibility)

- Prof Aimee Morgans, Imperial College London, UK
- Mr Dave Abbott, Uniper, UK
- Prof Yannis Hardalupas, Imperial College London, UK

NETWORKING LUNCH 13:00 - 14:00

SESSION 3: GTs FOR STORAGE-TO-POWER 14:00 - 15:30 (power-to-gas, hydrogen, ammonia)

- Dr-Ing Peter Griebel, DLR, Germany
- Dr Agustin Valera-Medina, Cardiff University, UK
- Prof Rob Bastiaans, TU Eindhoven, the Netherlands

REFRESHMENT BREAK 15:30 - 16:00

SESSION 4: GTs FOR SAFE, DECARBONISED 16:00 - 17:30 POWER (efficiency, EGR, carbon capture, safety)

- Dr Mario Ditaranto, SINTEF Energy Research, Norway
- Dr Karen Finney, University of Sheffield, UK
- Mr Stuart Hawksworth, Health and Safety Executive, UK

WELSH BANQUET AT CARDIFF CASTLE 19:30 - 21:00

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DAY TWO - TUESDAY 4th SEPTEMBER

SESSION 5: KEYNOTE SESSION

8:30 - 9:30

- Re-welcome and re-cap – Prof Phil Bowen, GTRC, UK
- Keynote – Dr Richard Marsh, Cardiff University, UK

SESSION 6: MANUFACTURING THE GTs OF TOMORROW (additive manufacturing, advanced materials)

9:30 - 11:30

- Mr Andrew Jones, HiETA Technologies Ltd, UK
- Dr Colin Copeland, University of Bath, UK
- Prof John Oakey, Cranfield University, UK / ETN
- Mr Paul Addison, Siemens/Materials Solutions Ltd (invited)

REFRESHMENT BREAK

11:30 - 11:45

SESSION 7: ROUNDTABLE DISCUSSION

11:45 - 13:00

NETWORKING LUNCH

13:00 - 13:30

SITE VISITS TO:

13:30 - 17:00

- GTRC, Port Talbot
- and either Baglan Bay CCGT Power Station or Baglan Hydrogen Research & Demonstration Centre (tbc)



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