

2017 LCNI Programme

Day 1 Wednesday 6 December

08.00 – 09.20	Registration, Refreshments and Exhibition
09.30 – 09.35	Welcome and Introduction: David Smith (ENA)
09.35 – 09.45	Headline Sponsor Welcome and Introduction: Robert Symons (WPD)
09.50 – 10.30	Keynote Speeches
09.55 – 10.10	Jonathan Brearley (Ofgem)
10.10 – 10.30	Mike Crone (Jaguar Landrover)
10.35 – 12.00	Plenary Session 1
10.35 – 11.35	Creating Whole Energy Thinking: Roger Hey (WPD) Jim Cardwell (NPg) Chris Clarke (WWU)
11.35 – 12.00	Industry Strategies
12.00 – 13.00	Refreshments and Exhibition
12.00 – 12.50	Exhibition 1: Keele University – Academic Sponsor
12.00 – 12.50	Exhibition 2: SSID the Mini Mole: Watson Peat (SPEN) Billy Turner (Tracto-Technik) Streetworks – Mini Mole and Robotics Element 4 (SGN)
12.00 – 14.50	Gas Collaboration Zone, Exhibition Hall: Gas Showcase
13.00 – 13.45	Plenary Session 2
13.00 – 13.45	Linking Network Innovation with Wider Government Initiatives: Chair - Stewart Reid (SSE) Mark Horsley (NGN) Philip New (Catapult) David Capper (BEIS)
13.10 – 14.20	Exhibition 2: Schneider: How Digital Transformation can aid DNO-DSO: Jean Yves Bodin
13.50 – 14.50	Industry Collaboration Sessions (Running simultaneously)
13.50 – 14.50	Open Networks Project Review: Chair: Nigel Turvey (WPD)
13.50 – 14.50	Gas in the Future Energy System: Tom Collins (Worcester Bosch) Jamie Speirs (Imperial College London) Stuart Easterbrook (Cadent)
14.50 – 15.15	Refreshments and Exhibition
15.20 – 16.40	Gas Collaboration Zone, Exhibition Hall: IGEM Affiliates Networking – Meet the teams (appointment only)
15.20 – 16.40	Breakout Session 1 (Running simultaneously)

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	<p>1.1 Storage for Electricity and Gas Networks (Hydrogen/Batteries etc) Chair: Angus McIntosh (SGN) Integral (NGN) DESC (UKPN) NINES & NTVV Legacy: Alex Howison (SSEN) Q&A</p> <p>1.2 Streetworks and Underground Utilities ART (NGGT) Excavation Scanner (CADENT) Rapid Steel Cutter: Paul Breakey (WWU) Q&A</p> <p>1.3 Active Network and Demand Side Response Paul Jewel (WPD) Freedom: Faithful Chanda (WPD) and Oliver Lancaster (WWU) Entire, Sunshine Tariff, FALCON Experience of DSR Trials: Matt Watson (WPD) Power Potential: A New Market for Reactive Power: Dr. Biljana Stojkovska (NGSO) and Dr. Ali Ahmadi (UKPN) Q&A</p>
Exhibition 2	<p>1.4 Low Carbon Technology - Distribution Generation Paul Turner (ENW) EFCC: The Future of Frequency Control: Lillian Macleod (NG SO) SAVE (SSEN) Smart Street (ENW) Q&A</p> <p>1.5 Innovation in Electricity Network Design Minimising Electricity System Congestion Costs: Ronny Grimaldo (NG SO) Atlas (ENW) Open LV: Learning to date: Mark Dale (WPD) Q&A</p> <p>1.6 Reliability, Safety and Resilience Fault Level Monitoring: Martin Lyster (SSEN) VISOR: GB wide Monitoring to improve visibility of dynamic system behaviour and enhance network resilience: Chris Halliday (SPEN) Light Tracker & Network Damage Reporter: Bill Barrett (SSEN) Alan McMorran (OGS) Q&A</p> <p>1.7 Storage and Transport Chair Stewart Reid (SSEN) Solar Storage: Learning from Integrated Battery Trials: Jenny Woodruff (WPD) EV Buses and Taxis (UKPN) Smart EV A new Standard managed electric vehicle charging Richard Hartshorn (SSEN) Daniel Hollingworth (EA Technology) Q&A</p> <p>1.8 Emergency & Incident Management LGSE: Adrian Symons (WWU) Storm Recovery: Our Experience: Robin Tutchter Q&A</p>
16.40 – 16.45	End of Day 1 – Refreshments and Exhibition
16.45 – 17.30	Complimentary Coaches to Conference Hotels

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18.50 – 19.30	Complimentary Coaches depart Conference Hotels for the Telford International Centre
19.00 – 19.30	Pre-Dinner Drinks Reception (Ticketed event)
20.00 – 00.00	Conference Gala Dinner (Ticketed event)
00.10 – 00.30	Complimentary Coaches depart the Telford International Centre for Conference Hotels

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Day 2 Thursday 7 December

08.00 – 09.30	Registration, Refreshments and Exhibition
09.30 – 12.50	Gas Collaboration Zone, Exhibition Hall: Gas Showcase
09.30 – 10.50	Breakout Session 2 (running simultaneously)
Exhibition 1	<p>2.1 Low Carbon Transport Leyland (Cadent) and CNG refuelling (NGN) Electric Vehicles: Part of the system: Iain Miller (NPG) Car Connect, EV Emissions Testing, Electric Boulevards EV Connections and Their Network Effects: Mark Dale (WPD)</p> <p>2.2 Smarter Systems for Gas Project CLOCC (NGGT) Augmented Reality (CADENT) Smart Pressure Sensor: Martyn Pallant (WWU) Q&A</p> <p>2.3 Active Network Management and Asset Monitoring GRAID (NGGT) RAINMAN: Fiona Irwin (SSEN) Paul Milburn (EkkoSense) FITNESS: The story so far: Christopher Patterson (SPEN) (Q&A)</p> <p>2.4 Low Carbon Technology – Decarbonising Gas 100% Hydrogen (SGN) Hydeploy & BIO SNG Commercial (CADENT) H21 (NGN) Q&A</p> <p>2.5 Gas Network Technology STASS (NGN) Robotics Roadworks (SGN) Highly Portable GPR (NGN)</p> <p>2.6 Innovation in Improving Electricity Losses Chair: Paul Jewell ENA Technical Losses WG: Impact of Low Carbon Transition on Losses: Jim McOmish (SPEN) & Gillian Williamson (WSP) Losses Investigations and Voltage System Reduction: Understanding and Improving Losses: Chris Harrap (WPD) LV Network Losses: Frank Clifton (SSEN) TNEI Rep Q&A</p> <p>2.7 The Big Gas Challenge (WWU/CADENT/NGN)</p> <p>2.8 Views from Academia Chair: Randolph Brazier (ENA) Redesigning Markets for Ancillary Services: Prof. Michael Pollitt (Uni. of Cambridge) Risks and Opportunities in Decarbonising Heat and Transport: Keith Bell (Uni. of Strathclyde) Energy Systems Integration research: Challenges and opportunities: Dr Sara Walker (Newcastle University) Benefits of Flexibility in the UK power system by 2030: Prof. Goran Strbac (TBC)(Imperial College London)</p>
Exhibition 2	
10.50 – 11.25	Refreshments and Exhibition

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11.00 – 11.20	Exhibition 1: Measuring Benefits from Innovation (NGGT/PWC)
11.00 – 11.20	Exhibition 2: Fugro

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11.30 – 12.50	Breakout Session 3 (running simultaneously)
Exhibition 1	<p>3.1 Overground and Underground Utilities Scoping the DSO Future: Dr Liz Sidebotham (NPG) Angle – DC: The UK's first DC link using existing distribution network assets: Kevin Smith (SPEN) NeSTS: Tim Sammon (SSEN) Q&A</p> <p>3.2 Cyber Security and Big Data Artificial Intelligence (NGGT) Time Series Data, Nexus, CIM (WPD) Big Data and its Use: Jenny Woodruff Leveraging Big Data for Improved Energy Forecasting: Kevin Tilley (NG SO) Q&A</p> <p>3.3 Energy System Modelling & Future Planning Chair: Roger Hey (WPD) Network Equilibrium, FlexDGrid, Carbon Tracing (WPD) Advances in System Modelling: Jonathan Berry Redefining Failure (NGN) Real Time Networks (SGN) (Q&A)</p> <p>3.4 Active Network Management and Asset Monitoring KASM (UKPN) Celsius: Damien Coyle (ENW) Dumfries and Galloway Smart Zone: Gerard Boyd (SPEN) Pipeline Depth of Cover (NGGT)</p> <p>3.5 Reducing Emissions KESS: Ian Marshall (WWU) Low Carbon Preheat (NGN) Selective Catalytic Reduction (NGGT) Q&A</p> <p>3.6 Breakthroughs in Network Technology HAVS (NGN) TRALC3/TermITE -Transformer ratings enhancements - Gordon Wilson (NGTO) How MIDEL 7131 understanding can reduce costs and benefit your customers: Lee Warren/ Doug Galloway (NGTO) Smart Paints (SGN)</p> <p>3.7 Cables TOUCAN – Using to thermography to locate LV underground cable faults Keith Dennis/Phil Clarke (SSEN) SUSCABLE2: David Ruthven (SPEN) Gary Stevens (GnoSys) Self-Healing Cables: Dr.Chris Goodhand (NPg) Q&A</p>

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Exhibition 2	<p>3.8 Modelling, Charging and Billing Flexible Energy Simulator: Chris Clarke (WWU) Future Billing Methodology (Cadent) Value of Lost Load: Kate Quigley (ENWL) Q&A</p>
12.50 – 13.50	Refreshments and Exhibition
13.00- 13.45	Exhibition 1: Keele University – Academic Sponsor
13.00 – 13.45	Exhibition 2: Quality of Supply – NIA Portfolio (UKPN) Foresight LV Cable Management: Rebecca Kelly (NPG)
13.50 – 15.10	Gas Collaboration Zone, Exhibition Hall: Networking with the Networks
13.50 – 15.10	Breakout session 4 (running simultaneously)
	<p>4.1 Innovation Strategy Consultations Presentation of Draft Strategies - Tamsin Kashap (NGGT) & Chris Goodhand (NPG) to present draft strategies followed by Q&A panels with network representatives</p> <p>4.2 Reliability, Safety and Resilience Digital Substation: Virtual Site Acceptance Testing & Training: Thomas Charton (NGTO) Active Resilience: Iain Miller (NPG) Network Constraint Early Warning System: Initial Smart Meter Data Integration Platform: Jim Whyte & Ciaran Higgins (SPEN) Q&A</p> <p>4.3 Dealing with Faults Chair: Paul Turner Respond: Paul Marshall (ENW) Powerful-CB (UKPN) and Fault Forecasting (Met Office) SINE Post: Fault Location through Power Quality Measurements: Mourad Khaddoumi (SPEN) Q&A</p> <p>4.4 Breakthroughs in Network Technology World-first use of g3 as low-carbon alternative to SF6 :Mark Waldron (NGTO) Improved Statistical Ratings, Superconducting Cables, SF6 Alternatives Developments and Advancements of Existing Assets: Yiango Mavrocostanti (WPD) LV Connect and Manage (WPD) Connection and Control of LCTs: Mikhail Prokhnich</p> <p>4.5 Active Network Management and Demand Side Response Nigel Turvey (WPD) Alternative Connections & ANM Roll Out – Steven Gough (WPD) Flexible Connections Gavin Stewart (SSEN) Domestic DSR: The Meter and Beyond: Jim Cardwell (NPG) Energywise (UKPN)</p> <p>4.6 Overhead Line Optimisation Jonathan Berry (WPD) Airborne Inspections: Advancements in Network Inspections and Safety: James Bennett (WPD) Lidar (SSEN) Wind exposed overhead lines research to extend asset life: Jon Hannah (NGTO) Q&A</p>
13.50 – 15.10	Exhibition 1: Network Integration of Electric Vehicles: Intro and Chair – Mark Dale WPD: Power Quality & Network EV Emissions: Simon Ebdon (RINA) Network Monitoring: Paul Beck (Lucy GridKey) EV Detection for Network Operators: Chris Hole (TTP)
13.50 – 15.10	Exhibition 2: REGEN Open Utility SGN
15.30 – 15.45	Complimentary shuttle buses depart to Telford Rail Station

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