Hear Implementation Insights on:

- **Business Case** – establishing the cost-benefit analysis, determining the organisational structures and workforce development requirements, gaining stakeholder buy-in and investment, and driving your analytics vision from strategy to implementation

- **Utility Analytics Use Cases** – applying predictive analytics to a variety of use cases including asset management, grid planning and investment, grid operation and maintenance

- **Effective Data Handling** – identifying and prioritising the most useful data feeds to invest in from smart meters, substations, historian, social media, and published sources for a variety of use cases

- **Advanced Data Management** – developing a data governance framework to ensure quality sourcing, storing, integration and analysis of static and real-time, structured and unstructured, high volume and complex data sets to maximise accuracy and speed up decision making

- **Tools & Technologies** – benchmarking the latest open-source and customised analytics platforms and visualisation tools and selecting the most integration ready, high functionality, and future-proofed option for your grid scenario

- **CIM Protocol** – understanding the essential building blocks of the CIM standard and identifying the optimal way to implement it within your infrastructure

**Early Bird Discounts!**

- **Save €200** on Delegate places by booking before **Friday 29th January 2016**
- **Save €100** on Delegate places by booking before **Friday 26th February 2016**

**Utility Case Studies from:**

- **Jeff Montagne**  
  Chief Data Governance Officer  
  ERDF

- **Jose Manuel Corera Sanchez**  
  Head of Control Systems  
  Iberdrola

- **Lars Garpeten**  
  R&D Programme Manager, Smart Grid Projects  
  Vattenfall Distribution Nordic

- **Frits Boas**  
  Asset Manager  
  Endress

- **Martijn van Huijkelom**  
  Innovator  
  Enexis

- **Stefan Pantea**  
  Interoperability and Systems Engineering Expert  
  National Grid

- **Robin Hagemans**  
  Manager Analytics, Innovations & Livestable  
  Alliander

- **Stefan Lautz**  
  Data Scientist  
  BKW

- **Pedro Ferreira**  
  Manager, Smarter Grids  
  EDP Inovação

- **Arjen Jongepier**  
  Project Manager Sustainability & Long Term Developments Endiuris

- **Kasper Koarle**  
  Head of Digital Network Technology Elektroevi OÜ

**Expert Advice from:**

- **Bas Kruimer**  
  Senior Manager, Smart Grid Services  
  Accenture

- **Per Myrseth**  
  Chief Specialist Information Risk Management  
  DNV GL

- **Henk Bijl**  
  Managing Director  
  Accenture

- **Theo Borst**  
  Senior Consultant  
  DNV GL

- **Ivo Kuijloos**  
  Consultant  
  DNV GL

**Technology Innovations from:**

- **Prof Antonello Monti**  
  Director of the Institute for Automation of Complex Power Systems  
  E.ON Energy Research Centre, RWTH Aachen University

- **Bastian Fischer**  
  CEO  
  Locomation

- **Matthias Stifter**  
  Scientist, Energy Department  
  Austrian Institute of Technology

- **Jean-Louis Coullon**  
  Asset Performance Management Director  
  GE Grid Solutions

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- Phoenix

**Produced by:**

- www.gridanalytics-europe.com
Dear Colleague,

As smart meter and smart grid deployments continue to gain momentum, demand for big data analytics capability to better manage grid operations and plan network investment is at an all-time high.

But securing adequate internal investment, building an analytics organisation that transcends traditional silos, selecting and implementing the right analytics platform, and effectively managing the large volumes of complex and unstructured data flooding the network to provide real-time, predictive and highly actionable intelligence to the wider organisation, is not without its challenges!

Grid Analytics Europe 2016 draws together 120+ Data Science and Domain experts for a review of the most innovative analytics implementations within the European smart utility environment. Over 2 intensive days you will hear directly from 12+ utility analytics front runners, gain important new insights into their implementation experiences, and a sneak preview of their management approved roadmaps.

Programme benefits include:

- **Case-Study Agenda** – hearing from technical experts and decision makers on the lessons learnt from pilot projects and large scale implementations of grid analytics infrastructures
- **Utility Heavy Speaker Line-Up** – selected on the strength of the projects they are involved in, their pivotal roles in implementation decision making, and their insights into lessons learnt and future roadmaps
- **Roundtable Discussions** – the opportunity to deep dive into a specific theme arising from the day’s presentations and benefit from the views and insights of the entire utility analytics eco-system
- **CIM Workshop** – a 2-hour tutorial providing clarity on the fundamentals of the CIM standard, delving into its practical implementation in TSO and DSO environments, and providing hands-on experience of CIM tools
- **Solution Zone** – running alongside the conference, the solution zone provides a focused display of state of the art analytics tools, technologies and services, with experts on hand to discuss your specific challenges and provide tailored advice to help propel your implementation plans to the next level
- **Live Demo Labs** – a 1:1 private demonstration, providing you with the opportunity to gain hands-on experience of the most advanced and forward looking analytics tools and technologies on the market
- **Networking Canal Cruise** – taking place on the evening of conference day one, this networking event is open to all conference participants, and provides the opportunity to relax and unwind, meet with colleagues from across the utility analytics community, allow new ideas to cement and new partnership opportunities to emerge

We look forward to welcoming you to the event in April 2016.

Kind Regards,

Mandana White  
Director | Phoenix Forums

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**Sponsorship & Exhibition Opportunities:**

Would you like the opportunity to raise your brand profile, demonstrate your products and services, and share your expertise with a highly concentrated and influential group of utility data analytics implementation experts and decision makers?

Our adjoining exhibition area provides the perfect platform for you to do this and more! Capped at 10 stands we ensure a focused and relevant display of the latest data analytics tools and technologies for our audience and maximum visibility for each exhibitor.

To find out more about the various sponsorship and exhibition opportunities:

**Call:** +44 (0)20 8349 6360  
**Email:** registration@phoenix-forums.com

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**Silver Sponsors**

Locamation is a leading global provider of innovative smart grid enabling substation automation technology. The company offers power network operators a simple, flexible and easy to upgrade solution that allow high, medium and low voltage networks to become intelligent. The company’s SA Sensor solutions are installed in hundreds of substations worldwide. The SA Sensor solution replaces thousands of installed devices with five hardware components only. Thanks to Locamation, installations become smarter, with easy upgradeable open platform software that unlocks real time key data about grid operation, network capability and efficiency. Locamation is headquartered in The Netherlands and operates internationally with local representation as well as sales and distribution partners.

OMNETRIC Group helps utilities to explore and integrate data, and implement and operate analytics solutions to help them better plan, design, construct, extend, operate, and maintain transmission and distribution (T&D) assets and networks. Our solution architecture includes a utilities Smart Grid Logical Data Model that leverages IT/OT outputs, integrates and applies them to deliver tangible benefits in areas such as revenue protection, transformer maintenance and load management, substation equipment management, T&D asset management, outage management, system modeling, power quality optimization, advanced distribution management, demand response and management, security management, micro grids, and real-time network operations. In conjunction with OMNETRIC Group’s other four service offerings - Smart Markets, Grid Operations, Strategic Advisory and Business Transformation, Architecture, Integration and Technology - Energy Insight presents a comprehensive integrated offering to support clients in the energy sector with innovative solutions for a smarter grid.

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**Live Demo Lab Sponsor**

CoSMo is a software company offering revolutionary modeling and simulation solutions to help industries operate their digital transformation by better understanding their systems and leveraging their data. Industries are facing increasingly complex systems, where everything is interconnected. CoSMo has developed the world’s first systemic solution allowing to build game changing applications to better understand, design, and manage critical systems. Global leaders such as Total, EDF, GE, Veolia, RTE, SNCF or Sanofi Pasteur already rely on CoSMo’s solutions to operate their digital transformation and optimize their operational performance, in the fields of energy, urban systems and life sciences.
10:00 Energy Transition – leveraging predictive analytics to manage risk, reduce costs and optimise grid performance in the energy transition
- Understanding the potential impact of electric vehicles, renewable energies, and distributed generation on network development and investment requirements
- Identifying the internal and external sources of data to draw on to accurately predict future investment levels
- Pooling and analysing a wide range of data to maximise decision accuracy and minimise risk
- Interworking engineering teams with other internal groups and external parties such as municipalities
- Determining the analytics system functionalities required to minimise decision making time, maximise decision accuracy, and ensure effective communication for a range of stakeholders

Henk Bijl, Managing Director, Accenture

10:30 Organisational Structures – establishing a multi-disciplinary analytics workforce to support the rapid rise in analytics demand in the migration to the smart grid
- Evaluating the benefits of a centralised vs distributed data analytics department to support a variety of use-cases across the organisation
- Determining the skill sets required at an advanced data analytics function and developing an internal training programme to continuously upskill the team
- Working effectively with 3rd parties to plug internal skills gaps as your analytics capability builds
- Establishing a robust analytics governance framework and breaking down internal silos to support this
- Placing ‘actionable intelligence’ at the heart of your analytics organisation’s output

Robin Hagemans, Manager Analytics, Innovations & Livinglabs, Alliander

11.00 Morning refreshments and exhibits

11:30 IT Architectures – building a robust, real-time, scalable and cost-effective analytics system architecture that leverages legacy systems and provides decision support at all levels of the grid
- Evaluating the benefits of service-oriented IT architecture (SOA) to support current and future grid analytics
- Development of CIM based SOA messaging to enable access to EMS information and integrate legacy systems
- Implementing an enterprise service bus (ESB) for integration of multiple systems and data sources while ensuring high levels of security and privacy
- Enabling a fully redundant mission critical systems while ensuring consistent data for downstream systems
- Use case example of adding Phasor Measurement Unit (PMU) information using SOA

John R. Baranowski, Senior Consultant, EMS and Model Management, PIM Interconnection

12.00 Asset Management – developing an analytics model for real-time condition monitoring and predictive maintenance to maximise asset life-cycles and minimise long term asset investment
- Quantifying the benefits of data analytics for asset investment planning, network design, procurement, installation and commissioning, operation and maintenance, decommissioning and disposal
- Developing an analytics platform that integrates legacy systems, multiple data flows in high volumes, and structured and unstructured data with ease
- Correlating multiple data streams including live condition data, historical data, and weather feeds to maximise accuracy
- Building rules to trigger automatic work orders and optimise the maintenance process

Martijn van Huijkelom, Innovator, Enexis

12:30 Grid Planning – utilising multiple data sources to develop an accurate model and support future grid planning and investment activity
- Understanding the impact of non-DSO activities (traffic, building, pollution) on pipeline integrity and environmental safety
- Identifying the internal and external data sources that will best inform short and long term planning requirements
- Working with the imperfections and uncertainty of external data sources through effective risk management
- Leveraging data analytics to optimise network investments

Arjen Jongepier, Project Manager, Sustainability & Long Term Developments, Enduris

Frits Raas, Asset Manager, Enduris

13.00 Lunch and exhibits

14.00 Grid Management – gaining an accurate overview of the grid to proactively manage power quality, voltage fluctuations and prepare for unplanned outages
- Establishing an agile analytics system architecture that effectively supports the needs of control centre staff whilst being flexible enough to develop in line with additional use cases
- Developing an intuitive user interface to ensure speed of analysis, ease of decisions making and action, and speedy take up of analytics services across the organisation
- Identifying and prioritising the data sources that will provide the most valuable intelligence for grid management
- Making best use of historical grid data and developing meaningful patterns that inform grid management decisions with accuracy
- Overcoming the challenges of utilising near real-time data accessed over PLC networks
- Validating analytic processes and decisions to maximise accuracy and optimise costs
- Implementing an access control approach that strikes the balance between security and functionality
- Planning for future needs as data volumes and complexity increases

Kasper Kvaal, Head of Digital Network Technology, Elaktron Oil

14:30 Smart Meter Analytics – managing the influx of high volume real-time data from Smart Meters and identifying innovative analytics use cases to maximise return on investment
- Evaluating the opportunities presented by the surge of data generated from smart meters
- Identifying appropriate systems and architectures to effectively store, manage and analyse big data for a variety of use-cases such as outage management, power quality, maintenance, customer support
- Achieving an integrated system architecture that effectively extends the SCADA and Smart Meter systems
- Developing user friendly interfaces to support maximum grid visibility, ease of decision making, and timely action
- Building in effective IT security measures to protect customer privacy
- Evaluating the next generation analytics functionalities

Lars Garpetun, Senior Manager, Smart Grid Services, Accenture

15.30 Substation Analytics – identifying a cost-effective data management and analytics strategy as the automation of secondary substations gains momentum
- Identifying all sources of substation data that can be extracted and analysed to optimise grid performance both on a delayed and real-time basis
- Applying substation data analytics to improve demand side management
- Evaluating the potential of substation data analytics for a variety of grid performance use cases such as peak load shaving
- Building data models and algorithms that provide consistent results in an efficient manner
- Utilising legacy systems and integrating effectively with the analytics platform

Stefan Lenz, Data Scientist, BKW

Afternoon refreshments and exhibits

16.00 Cyber-Secure Analytics – identifying and overcoming the security vulnerabilities of next generation grid analytics infrastructures that integrate multiple systems and data sources
- Updating on the latest regulation regarding consumer data privacy and understanding the implications of this for grid analytics infrastructures and data access strategies
- Planning, managing and communicating data policies and rigorous processes for client data protection
- Implementing measures to combat the security vulnerabilities introduced by system integration
- Balancing the need for security with the need for ease of data access

Jon Longstaff, Head of Cyber Security, EMEA, OMNITRIC Group

Roundtable Discussions – during this 95 minute session the audience will split into several smaller working groups, each focused on a specific theme arising from the days’ presentations. This is the ideal opportunity to bring your specific grid analytics challenges to the table and brainstorm possible solutions with the entire grid analytics ecosystem. At the end of the session each working group will feed back a summary of their discussions and recommendations to the wider audience at the conclusion.

Networking Canal Cruise – take this opportunity to relax and unwind with colleagues from across the European grid analytics ecosystem. The perfect way to round off an intensive day of presentations, panel sessions and break out discussions.

End of conference day one
08.30 Registration and refreshments
09.20 Opening address from the chair
Jeroen Fiddes, Smart Grid Management Consultant, Accenture
09.30 Data Quality & Integrity – building data models and governance procedures to ensure consistency of data quality for historical and live, internal and external data feeds
- Identifying the data quality challenges associated with a range of data sources from across the network, weather geo, time-series, manual data
- Dealing with historical data that is presented in an unstructured manner
- Determining the most cost-effective and efficient methods of data cleaning within required timescales
- Creating standardised data models and upskilling teams to minimise human error and ensure consistently high quality data
- Implementing a continuous improvement programme to ensure the data entering the system can be fully trusted for decision making
Jeff Montagne, Chief Data Governance Officer, ERDF
10.00 Data Integration & Interoperability – building a cost-effective foundation for the seamless integration of multiple data sources to maximise the accuracy and minimise the time required to turn analysis into action
- Examining the challenges of integrating multiple data sources including historical, real-time and manual data from across the network
- Determining the optimal use of CIM to achieve seamless data integration of structured and unstructured data
- Establishing the hardware and software requirements to build a flexible system architecture that can adapt in line with smart grid infrastructure development
- Implementing a communication infrastructure that will protect the security and privacy of high volumes of data transfers
- Managing the interfaces between new analytics platforms and legacy systems
- Maintaining data integration and interoperability in the migration from pilot project to large-scale deployment
Sławomir Noske, Senior Smart Grid Engineer, ENERGA-OPERATOR
10.30 Data Correlation – effectively combining grid data with public data and social media data to maximise forecasting accuracy
- Identifying the optimal mix of data sources to correlate and determining how best to utilise unstructured and complex data sources
- Evaluating the latest tools available for data correlation and identifying the best ways to integrate these with existing infrastructure
- Leveraging advanced visualisation techniques to bring new intelligence to life and support action immediately
- Building up the appropriate analytics skillsets of domain experts and creating a path for effective interworking of data and data teams
Theo Borst, Senior Consultant, DNV GL
Per Myrseth, Chief Specialist, Information Risk Management, DNV GL
11.00 Morning refreshments and exhibits
11.30 Analytics Technology Innovation Panel – learning from the application of advanced and open-source analytics technologies and tools in the large-scale implementation of utility grid analytics programmes
- Evaluating the range of advanced and open-source technologies and tools on the market
- Assessing the most suitable technologies for smart utility environments
- Understanding the progress being made towards standardisation of technologies and tools
- Determining the need for converged data storage and management systems
Bastian Fischer, CEO, Locamion
Franz Wintenerauer, Head of Energy Insight Business, EMEA, OMNITRACK Group
Michael Probst, Director of Utilities, SAS Institute
Jean-Louis Coulon, Asset Performance Management Director - GE Grid Solutions
Prof Antonello Monti, Director of the Institute for Automation of Complex Power Systems, E.ON Energy Research Centre, RWTH Aachen University
13.00 Lunch and refreshments
14.00 Data Visualisation and Exploration – turning high volumes of complex, varied, real-time data into user friendly visuals for advanced decision support and rapid action
- Establishing the optimal analytics and visualisation methodologies to support grid planning and operation for a single network as well as multiple networks for comparison
- Achieving speed of visualisation when dealing with unstructured data sets from multiple sources across the grid
- Optimising visualisation interactivity to ensure data can be fully explored and anomalies identified effectively
- Ensuring effective interworking of data science and grid engineering colleagues to maximise exploration effectiveness
- Improving the visualisation tool to ensure its robustness for additional applications and key performance indicators
- Reviewing the range of visualisation tools and open-source libraries on the market and how they can be adapted for grid analytics
Matthias Stifter, Scientist, Energy Department, Austrian Institute of Technology
14.30 Real-time Data Analytics - establishing the infrastructure and processes necessary to support real-time event processing in MV and LV networks
- Prioritising the key use-cases that will drive investment in real-time analytics
- Identifying the complete range of internal data that can be leveraged for real-time analytics
- Evaluating how best to connect with external sources of data and integrate those with your real-time analytics system
- Identifying the most critical functionalities and determining whether to build or buy the platforms and systems to support real-time analytics
- Achieving effective integration of the real-time system with other internal systems
- Building in effective visualisation capability to suit the needs of both data and domain teams
Pedro Ferreira, Manager, Smarter Grids, EDP Inovação
15.00 Afternoon refreshments and exhibits
15.30 CIM Tutorial: Fundamentals of CIM for big data integration and interoperability
The Common Information Model (CIM) is an abstract information model that provides data understanding through the identification of the relationships and associations of the data within a utility enterprise. This enhanced data understanding supports the exchange of data models and messages and increases the ability to integrate applications both within the enterprise and with trading partners. These trends go beyond exchange or updates of network models to the exchange of specific dynamic data within transactional messages in a real-time environment. The CIM companion standards provide extensions and specifications that, when used in conjunction with the CIM models, provide a framework for the exchange of static models, transactional messages and full enterprise integration. (Source: CIMug)
This 2-hour interactive tutorial will provide a step-by-step guide to the essential building blocks of the CIM standard, clarify how it can be applied in TSO and DSO environments, and interworked with IEC 61850 to support the seamless integration of multiple data sources and systems. A series of presentations will be followed by a practical group exercise to bring the CIM protocol fully to life.
Tutorial Leaders:
Stefan Pantea, Interoperability and Systems Engineering Expert, National Grid
Nejc Petrović, Technical Researcher, Elektro Gorenjska
Ivo Kuijlaars, Consultant, DNV GL
17.30 End of conference day two

Who Should Attend?
Directors, Managers, Heads, and Experts in:
- Data Science
- Smart Grid
- Control Centre
- Substations
- Smart Meters
- Cyber-Security

Testimonial from Grid Analytics Europe 2013:
“I found it really useful to see that the issues faced across Europe are similar to those facing my own company. There are some really useful ideas that I can take back.”
Jenny Woodruff, Innovation and Low Carbon Engineer, Future Networks Team
Western Power Distribution

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Speaker Biographies

(in order of appearance)

Bas Kruimer
Senior Manager, Smart Grid Services
Accenture

Bas Kruimer is a Senior Manager at Accenture’s Smart Grid Services and Intelligent Grid Operations Domain in the European Utility Markets. Bas is a graduated Mechanical Engineer from Delft University of Technology in the Netherlands and has 27 years of international experience in the energy and electrical utility sector in different commercial and marketing roles, in product and business development and general management. He earlier worked at ABB Network Control & Protection, ABB Industrial Automation, KEMA T&D Consulting, KEMA Quality, Utility Service Provider Energa/ Tauron and Quanta Technology in the Netherlands. Bas is a recognized expert in substation automation, network control/SCADA, protection and IEC 61850. In recent years his focus has been on Situational Awareness and Phasor-Measurement Strategy and Applications Road Mapping, while also addressing Asset Management and Big Data Handling, Grid Analytics, Smart Metering Programme Management, System Resilience and (Cyber) Security.

John R. Baranowski
Senior Consultant, EMS and Model Management Practice Manager, PJM Interconnection

John R. Baranowski, P.E. is a Senior Consultant for EMS and Model Management in the PJM Operations Support division with over 30 years of power system experience. He earned BSEE and MSSE degrees from Drexel University in Philadelphia, PA, and is pursuing a Master’s in Technology and Business Analytics at Carnegie Mellon. John has been responsible for the formulation of a new EMS solution and the development of new power system data requirements. John has an extensive background in all areas of power system planning and analysis as well as experience with power system operations. John has been an active and prominent member of the Smart Grid technical community and has served as a member of the Taskforce Energy Transition in the development of Allianz’s Smart Grid Strategy & Roadmap.

Henk Bijl
Senior Manager
Accenture

Henk Bijl is an Accenture Senior Manager dedicated to the Operating Group Resources with 11+ years of experience in the Grid Operator and Energy Supply & Sales area. Henk is leading the Asset Management offering for Accenture Smart Grid Services helping operators to improve their grid operations and is responsible for the ASGS practice in The Netherlands. Henk’s areas of expertise include Asset Management (PAS55, ISO55500), Asset portfolio planning, Investment management, organization blueprint & transformation, EAM, Business Intelligence, data management & analytics; Asset innovation (Energy saving, HEMS, digitization), Operational excellence transformation, and Capital projects for Utilities and industrial businesses.

Ruben Verweij
Risk Analyst
Stedin

Ruben Verweij is a graduate of Delft University of Technology and currently working as a Risk Analyst at Stedin. He received his BSc in Mechanical Engineering with an emphasis on operational and financial optimization of the energy and gas network. His focus is on developing models to forecast and mitigate cyber threats to the energy infrastructure.

Arjen Jongepier
Project Manager, Sustainability & Long Term Developments Endiut

Arjen Jongepier has more than 25 years experience in utility industry and has been an MSc and a PhD degree power system engineer, with an emphasis on the technical and financial optimization of the energy chain. This chain is a close cooperation with peers from various sources, via robust and safe transmission and balancing systems, to consumers of energy. As an innovation agent, Arjen is very interested in opportunities for innovation, in new cooperation schemes with customers and stakeholders, while maintaining the societal KPI’s of reliable, affordable and sustainable energy.

Frits Raas
Asset Manager Endiut

Frits Raas has started working in the business of utilities in 2007. He holds a BSc in Mechanical Engineering and an MSc in Business Administration, with a specialization in Innovation Management. In 2008/2009 Frits was involved in the development of the Dutch standard “NVT 9120 Asset Management - Requirements for a safety, quality and capacity management system for electrical gas network operators”. The purpose of the NVTa was to formulate general specifications for optimal control of the (external) safety, quality and capacity of electricity and gas network operation. Other areas of expertise are Policy Development, Risk & Safety Management and Asset Lifecycle Management (effecting a business in which the amount of value created is improved by effectively balancing costs, risks and operational performances throughout the life cycle of the infrastructure).

Kasper Kaarlep
Head of Digital Network Technology
Elektrilevi OÜ

Kasper holds an MSc in Electronics Engineering and has a background in biotechnology. For the past 6 years he has worked with a range of Smart Grid deployment related projects in Elektrilevi. Currently Head of Network Technology Department in Elektrilevi, he and his team are responsible for maintaining and developing all digital systems used for asset management. This includes substation automation, telecommunications, SCADA, DMS, network information systems, analytics platforms, cyber security and Smart Grid architecture problems. For the past year, he has been leading a project for enabling advanced analytics in grid operations and beyond.

John R. Baranowski
Senior Consultant, EMS and Model Management Practice Manager, PJM Interconnection

John R. Baranowski, P.E. is a Senior Consultant for EMS and Model Management in the PJM Operations Support division with over 30 years of power system experience.

He earned BSEE and MSSE degrees from Drexel University in Philadelphia, PA and is pursuing a Master’s in Technology and Business Analytics at Carnegie Mellon. John has been responsible for the formulation of a new EMS solution and the development of new power system data requirements. John has an extensive background in all areas of power system planning and analysis as well as experience with power system operations. John has been an active and prominent member of the Smart Grid technical community and has served as a member of the Taskforce Energy Transition in the development of Allianz’s Smart Grid Strategy & Roadmap.

Lars Garpetun
R&D Programme Manager, Smart Grid Projects
Vattenfall Distribution Nordic

Lars has a degree in MSc Electrical Engineering and has been working in different parts and positions in the Vattenfall organisation. He has a very broad background and experiences from the transmission and distribution area. Between 2002 and 2008 engagement in Vattenfall’s AMR project, responsible for system developments and later on AMM development. In recent times responsible for developments of Low Voltage Grid Monitoring system based on the Smart metering infrastructure. Lars has today achieved a very broad experience and deep knowledge in the area of Smart Metering.

Jose Manuel Covara Sanchez
Head of Central Systems
Iberdrola

Electrical engineer from Bilbao Superior Engineering School and working from Cranfield Institute of Technology, UK. MBA from Eurofortum Escorial, Spain. After working in automation firm Robertiker joined Iberdrola in 1989. He is now responsible for the Control Systems Department in Iberdrola Distribution, with the responsibilities for control systems, metering systems and cyber security. He also coordinates the integration activity for control systems in Iberdrola networks (international). He has been responsible for Iberdrola for several R&D collaborative National and European projects, and among others acting as coordinator of FP6 project FENIX. He is involved in CIGRE, CIRE and IEC Conferences with tasks related to network management.

Stefan Lanz
Data Scientist
BKW

Stefan Lanz is a Data Scientist in the Smart Grid Engineering division of BKW, the largest distribution grid operator in Switzerland. After several years as a junior researcher in theoretical particle physics, he has switched into the energy sector as a load forecast expert in energy trading. More recently he has focused on the development of algorithms and software that allow distribution grid operators to understand and actually optimise flexible loads in their grid.

Jon Longstaff
Head of Cyber Security
Endiut

Jon leads the OMNETIC Cyber Security Practice where he works with energy companies to improve their resilience to digital threats. He has been working in the IT industry for over twenty years as a developer, architect, consultant and manager. His experience includes a range of industries such as retail, logistics, e-commerce, government and energy, with the security of those solutions as a consistent thread. As a part of the global team working on cyber security for the past few years both at Siemens and OMNETIC Group, Jon has been developing strategies and tools to help energy operators deliver smart grid technologies, whilst minimising their risk from cyber-attack. “The challenge of delivering innovation in the energy industry whilst ensuring the security of the solution, is constantly evolving. Making a difference to how operators understand and mitigate these cyber risks is what motivates my team.”
**Speaker Biographies**

(in order of appearance)

**Jeroen Fidder**
Smart Grid Management Consultant
Accenture

Jeroen Fidder is a Manager at Accenture Smart Grid Services and Head of the Smart Grid Operations Domain in the European Utility Markets. Jeroen is a graduated Economist from the University of Groningen in The Netherlands and has 10 years of experience in energy, electricity, gas, and downstream oil sector in different advisory and project delivery roles. Jeroen’s passion is driving value creation in core TSO and DSO operations, where these include gas- and electricity transmission and distribution, incident management, and maintenance planning and execution. In recent years his focus has been on improving operational performance at TSOs, where he supports the identification and implementation of processes and solutions that make operations safer, more effective, and efficient. Key enablers for these improvements were ADMS, simulation, and advanced analytics solutions.

**Bastian Fischer**
CEO
Locamation

Bastian has held over the past 20 years a number of executive management positions in Europe, USA and Asia with leading IT, grid and communication vendors. He is currently CEO of Locamation, the leading provider of digital substation platform products for utilities. Prior to Locamation, Bastian was a President and General Manager of ORACLE Utilities responsible for establishing the Utility industry business unit in Europe, Middle East and Africa. During that time, he conducted the post-merger integration of two companies and supported the acquisition of a Utility Big Data company. Previously Bastian was seconded to the USA and Japan to conduct the expansion and internationalization of SAP Utilities in the Americas and Asia. Bastian earned a BBA degree of Applied computer science and post-graduation in Business Administration in Germany.

**Franz Winterauer**
Head of Energy Insight Business,
EMEA
OMNITRIC Group

Franz Winterauer is OMNITRIC Group’s Head of Energy Insight business in Europe, the Middle East and Africa - crunching different sources of utility data, addressing wind power forecasts, asset reliability, consumer behaviour, and more. Franz holds a Master’s degree in Physics from the University of Technology in Vienna, and has been working in the industry for 15 years. "I enjoy working with utilities in a collaborative and interactive way - be it in joint R&D projects or in large implementation programs - to discover the hidden value in their data. I’m convinced, and I’m sure my team will confirm, that for the next ten years at least, being a statistician is THE cool job to have - we are truly changing the way things work!

**Theo Bors**
Head of Section, Energy
DNV GL

Theo is Head of Section and Senior consultant / Project manager at DNV GL - Energy. Within the section Intelligent Networks and Communication (INC), Theo focuses on Power System Operation consultancy services such as SCADA EMS/DMS replacement projects, Smart Metering rollout, Substation automation, Energy Data Analytics and Cyber security. As Head of Section, his responsibilities include P&L management, strategy and business development, sales, consultancy management, product management and team management. Theo graduated in electrical engineering and computer science at Delft University of Technology and holds an MBA from Webster University. He has more than 25 years of experience in system- and software engineering, solution architecture, business consultancy, product management, project management and QA. He has a broad knowledge on software, database and telecommunication systems across a range of industries. Theo holds a PRINCE II and IPMA-C project management certificate as well as an ISMPA software product management certificate. He has a track record in process analysis, theme-based business development, business- and technical consultancy and business process optimization.

**Mathias Stilfer**
Scientist, Energy Department
Austrian Institute of Technology

Mathias Stilfer received a degree in Technical Cybernetics from Vienna University of Technology, Austria. From 2003 to 2007 he worked at the Institute of “Computer Graphics and Algorithms” at Technical University of Vienna and at University of Technology Graz. He has several years of experience in the industry as a professional in the field of software development. Since 2007 he is with AIT, Energy Department - Electric Energy Systems. His research interests include integration of distributed generation, active distribution networks, voltage control, low voltage networks, smart meters and standards for communication and control in smart electricity networks. Since 2008 he is national expert and since 2015 operating agent for the IEA DSM Task 17 - Integration of DMS, DG, RE and Storage. Since 2010 he is lecturer at the University of Applied Science Technikum Wien for Electric Networks and Simulation of Smart Grids. He has authored and co-authored more than 45 research papers. He received the national Smart Grids Award three times. He is member of IEEE PES, where he is member of the task force for open source software for power systems, member of IEEE IES Technical Committee on Smart Grids and member of Cigre Joint Study Committee C6 D2.32 on Smart Meter Data.

**Pedro Ferreira**
Manager, Smarter Grids
EDP Inovação

Pedro Ferreira graduated in Physics Engineering and has been working in EDP for the last 10 years. He started to work in EDP labs (LABELEC) and moved to EDP Inovação five years ago. During this time developed studies in several subjects related clean energy sources. Over the last two years has been developing the Smarter Grids area within EDP Inovação. The work has been focused on providing real time analytical capabilities to the DSO, and the development of a big data and analytics infrastructure. Current projects are focused in Streaming Data, Disaggregated Load and Generation Forecast and Situational Awareness.

**Stefan Pantea**
Interoperability and Systems Engineering Expert
National Grid

Stefan M. Pantea is an Operational Tools Specialist within the Data and Modelling Team in the National Grid – System Operator, U.K. He is assigned to working on the IEC Common Model Information for network operational systems. He has 10 years of international SCADA experience in Substation Supervisory Control Systems (SCS), Distribution Management (DMS) and Energy Management Systems (EMS). His area of interest is information models management a member of the IET since 2015.

**Nejc Petrovič**
Technical Researcher
Elektro Gorenjska

Nejc Petrovič received a B.Sc. degree in electrical engineering in 2005 from the University of Ljubljana, Slovenia. After graduation he was employed as an engineer at a power distribution company Elektro Gorenjska, Kršnja. His work focuses on researching smart grids technologies and solutions with the main focus on systems integration. He is also a member of a mirror technical committee TC57 (Power systems management and associated information exchange) at the Slovenian Institute for Standardization.

**Ivo Kujundžić**
Consultant
DNV GL

Ivo Kujundžić is consultant and project manager at DNV GL Energy Advisory. He graduated at the Delft University of Technology in 1988 and the VU University Amsterdam in 2008. Ivo has over 20 years’ experience with Geographic Information Systems for utility companies. After software engineering and solution architecture he now is a project manager, enterprise architect and management consultant. He works on data model architecture, asset data harmonization and the development and standardisation of interfaces. He specialises in Grid-SCADA/ DMS interfaces, the use of the Common Information Model (CIM) and the implementation of change in organisations.

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 Participation Fees & Discounts

<table>
<thead>
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<th>Conference Delegate (Very Early Bird Rate)</th>
<th>until Friday 29th January 2016</th>
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Delegate Details

Title: [ ] First Name: [ ] Last Name: [ ] Job title: [ ] Company: [ ] Company VAT: [ ] Company Address: [ ] Switchboard Number: [ ] Direct Line Number: [ ] Mobile Number: [ ] Email Address: [ ] Country: [ ] Postcode: [ ] Town/City: [ ]

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1. How did you hear about this conference?

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Payment: payment must be made at the time of booking to guarantee your place, either by credit card, or invoice which must be settled within 7 days and prior to the first day of the conference. If payment has not been received by the first day of the conference then credit card details will be requested onsite and payment will be taken before entry to the conference. Bookings made within 14 days of the conference require payment by credit card on booking.

Delegate: the delegate fee covers attendance of conference sessions, speaker presentation materials, lunch and refreshments during the course of the conference, and the networking canal cruise. It does not cover the cost of flights, hotel rooms, room service or evening meals. If after booking your place you are unable to attend you may nominate, in writing, another delegate to take your place at any time prior to the start of the conference. Two or more delegates may not ‘share’ a place at the conference. Please make separate bookings for each delegate.

Exhibitor: the exhibition is located in the networking and catering area alongside the conference room to ensure maximum footfall and visibility for all exhibitors. Each exhibitor will be allocated a 3m x 2m space with table, 2 chairs, power sockets and WiFi access. The exact location of each exhibitor will be determined 4 weeks prior to the conference. Exhibitor set-up commences at 7am on the first day of the conference, and break-down takes place after 4pm on the last day of the conference. Exhibitor packages include 2 conference passes. Additional passes may be purchased at 10% discount on the published rates.

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