



connected data london 2018

7th November 2018

Prospero House, ETC Venues, SE1 1GA

A warm welcome to Connected Data London

We can't believe it's been 3 years since our inaugural Connected Data London event. We're humbled that what started as an experiment has blossomed into a thriving community showcasing a rich array of interconnected topics, speakers, industries and use cases.

2018 has been another truly exciting year for Connected Data thus far. Heralded as The Year of the Graph by some it has witnessed many significant milestones and achievements. We've seen a number of vendors launch new technologies to tackle long-held challenges in our space, many of which are here today. Indeed as Alan Morrison, senior research fellow at PwC's Center for Technology and Innovation suggests, 9/10 of the worlds largest & fastest growing public companies since 2009 use Knowledge Graphs. Interest in this space has reached an all time high with the mixed blessing of Knowledge Graphs appearing for the first time on the Gartner Hype Cycle.

Its not just big corporates that are benefiting from Connected Data. Many startups are using these technologies to disrupt established industries & there are innumerable initiatives promoting Open Data & Public Good agendas. Notable developments in this space in 2018 included Google's Open Data Search and Tim Berners Lee's Solid (Social Linked Data) & Inrupt initiatives. Indeed as we will see today many are using these cutting edge approaches to make data easier to locate, access, share & ensure GDPR compliance. Whilst fake news & data provenance issues are still a hot topic there are many exciting approaches within our space with very credible solutions emerging.

Thanks to our hugely supportive sponsors Connected Data London is uniquely able to bring together this rich landscape with the objective of cross-fertilising ideas & connecting people. We hope you enjoy today's conference as much as we have enjoyed putting it together.

Onward & upward in 2019!

James & George



JAMES PHARE
Event Director, Connected Data
London



GEORGE ANADIOTIS
Principal consultant, Linked Data
Orchestration / Contributor,
ZDNet



Proven Native Parallel Graph Database

DON'T MISS OUR TALK AT

11:10

Scaling up Business Value with Real-time Operational Graph Analytics

Join us as we share how Uber, Visa, Alipay and Zillow are implementing Master Data Management, Customer 360, Enterprise Knowledge Graph, Fraud and AML detection with graph solutions. Includes details on deployment of graph algorithms at scale including PageRank, Community Detection and Real-Time Deep Link Analytics.

Nodes Track

The Nodes track features Keynotes by AI and Semantic Web pioneer Sir Nigel Shadbolt from ODI, and Google's Markus Lanthaler, JSON-LD inventor. Talks and panels featuring industry leaders on mainstream topics such as Data Governance, Knowledge Graphs, Query Languages and Linked Data from the likes of Electronic Arts, IBM, and Zalando.

- 8:45 - 9:15 **Event Registration | Reception**
9:20 - 9:35 **Welcome Address | Nodes Room**
James Phare/George Anadiotis
- 9:40 - 10:15 ● **Markus Lanthaler | Creator of JSON-LD and Hydra. Software Engineer, Google | Nodes Room**
KEYNOTE: Pragmatic Semantics at Web Scale
- 10:20 - 10:55 ● **Sir Nigel Shadbolt | Chairman and Co-Founder, ODI | Nodes Room**
KEYNOTE: Linked Data as Critical Infrastructure
- 10:55 - 11:10 Coffee Break | Lounge
- 11:10 - 11:40 ● **Mandy Chessell | Distinguished Engineer, IBM | Nodes Room**
Building an open metadata and governance ecosystem
- 11:45 - 12:15 ● **Aaron Bradley | Knowledge Graph Strategist, Electronic Arts | Nodes Room**
schema.org, Linked Data's Gateway Drug
- 12:20 - 12:50 ● **Nikolas Burk | Developer Relations, prisma.io | Nodes Room**
GraphQL and its schema as a universal layer for database access
- 12:50 - 13:50 Lunch | Lounge
- 13:50 - 14:20 ● **Katariina Kari | Research Engineer, Zalando Tech-Hub | Nodes Room**
Building, and communicating, a knowledge graph in Zalando
- 14:25 - 14:55 ● **Panel | Moderator: Paul Groth | Nodes Room**
Building knowledge graphs in the real world

Panos Alexopoulos - Head of Ontology, Textkernel BV
Katariina Kari - Research Engineer, Zalando Tech-Hub
Sebastian Hellmann - Executive Director, dbpedia.org
Natasa Varytimou - Information Architect, Refinitiv
- 15:00 - 15:30 ● **Paraskevi Zerva | Cognition & Knowledge Representation Lead. Elsevier | Nodes Room**
Supporting GDPR Compliance through effectively governing Data Lineage and Data Provenance
- 15:30 - 16:00 Coffee Break | Lounge
- 16:00 - 16:30 ● **Jon McLoone | Director of Technical Services, Communication and Strategy, Wolfram Research Europe | Nodes Room**
Data Science is More than just Statistics
- 16:35 - 17:05 ● **Panel | Moderator: George Anadiotis | Nodes Room**
AI tribes and interconnections: what's graph got to do with it?

Sebastian Riedel - Researcher, Facebook AI Research
Andy Jefferson - Neural Networks and Graph AI Researcher, Octavian
Christos Hadjinioklis - Senior ML Engineer, Data Reply UK
Jon McLoone - Director of Technical Services, Communication and Strategy, Wolfram Research Europe
- 17:05 - 17:20 Closing Remarks | Nodes Room
17:20 - 18:20 Refreshments | Lounge

Edges Track

If you are more into emerging topics and want to get the latest trends from tomorrow's leaders, the Edges track features innovating concepts, applications and research. With experts and panelists in Graph Databases, AI & Machine Learning, Knowledge Graphs, Software Architecture, from BBC, Thomson Reuters, TigerGraph, and more.

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James Phare/George Anadiotis
- 9:40 - 10:55 **Networking - Keynotes talks on Nodes Track | Nodes Room**
- 10:55 - 11:10 Coffee Break | Lounge
- 11:10 - 11:40 ● **Augustine Kwanashie | Software Engineer, BBC | Edges Room**
Building materialised views for linked data systems using microservices
- 11:45 - 12:15 ● **Panos Alexopoulos | Head of Ontology, Textkernel BV | Edges Room**
Crafting a Knowledge Graph Strategy - What to think about
- 12:20 - 12:50 ● **Rainer Pichler | Software Architect, CELUM | Edges Room**
Building a production-ready, graph-based enterprise application in the cloud
- 12:50 - 13:50 Lunch | Lounge
- 13:50 - 14:20 ● **Andy Jefferson | Neural Networks and Graph AI Researcher, Octavian | Edges Room**
Knowledge graphs, meet Deep Learning
- 14:25 - 14:55 ● **Thorsten Liebig | Managing Director & Co-Founder, Derivo | Edges Room**
Powering Graph Data with Reasoning and Visual Analytics: Examples from Industry
- 15:00 - 15:30 ● **Panel | Moderator: George Anadiotis | Edges Room**
The Year of the Graph: Evaluating graph databases

Geoffrey Horrell - Director of Innovation, Thomson Reuters Knowledge Graph
Philip Coates - Founder and Director, Semantic Integration
Victor Lee - Director of Product Management, TigerGraph
Thorsten Liebig - Managing Director & Co-Founder, Derivo
- 15:30 - 16:00 Coffee Break | Lounge
- 16:00 - 16:30 ● **Panel | Moderator: James Phare | Edges Room**
Metadata for data governance - what's Linked Data's role?

Mandy Chessell - Distinguished Engineer, IBM
Paraskevi Zerva - Cognition & Knowledge Representation Lead. Elsevier
Aaron Bradley - Knowledge Graph Strategist, Electronic Arts
Eugene Morozov - Engineering Practice Head, Lab49 London
- 16:35 - 17:05 ● **Dimitris Kontokostas | Senior Data & Knowledge Engineer, GeoPhy | Edges Room**
RDF Data Quality Assessment - connecting the pieces
- 17:05 - 17:20 Closing Remarks | Nodes Room
17:20 - 18:20 Refreshments | Lounge

- **ARTIFICIAL INTELLIGENCE & CONNECTED DATA** ● **LINKED DATA SEMANTIC PUBLISHING**
● **ENTERPRISE KNOWLEDGE GRAPHS** ● **GRAPH DATABASES**

Educational Track

Get the chance to have intimate interactions and to learn from leaders and innovators such as graph database vendors TigerGraph, Ontotext and Memgraph, Visualization solutions from Cambridge Intelligence and Linkurious, and the PoolParty Semantic Suite. Expect lively and interactive presentations and demos.

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| 9:40 - 10:55 | Networking - Keynotes talks on Nodes Track Nodes Room |
| 10:55 - 11:10 | Coffee Break Lounge |
| 11:10 - 11:40 | ● Victor Lee Director of Product Management, TigerGraph Educational Room Scaling up business value with real-time operational graph analytics |
| 11:45 - 12:15 | ● Atanas Kiryakov Founder and CEO, Ontotext Educational Room Analytics on Big Knowledge Graphs deliver entity awareness and help data linking |
| 12:20 - 12:50 | ● Dan Williams Product Manager, Cambridge Intelligence Educational Room Graphs in space: a guide to visualizing geospatial networks |
| 12:50 - 13:50 | Lunch Lounge |
| 13:50 - 14:20 | ● Jean Villedieu Head of Sales and Co-Founder, Linkurious Educational Room Graph intelligence: the future of data-driven investigations |
| 14:25 - 14:55 | ● Robert David/Maura Moran Semantic Web Co / Mekon Educational Room SHACL-based data life cycle management |
| 15:00 - 15:30 | Networking - Keynotes talks on Nodes and Edges Track Nodes/Edges Room |
| 15:30 - 16:00 | Coffee Break Lounge |
| 16:00 - 16:30 | ● Dominik Tomicevic CEO & Co-Founder, Memgraph Educational Room Enabling the Next-Generation of Intelligent Applications |
| 16:35 - 17:05 | Networking - Talks continue on Nodes and Edges Track Nodes/Edges Room |
| 17:05 - 17:20 | Closing Remarks Nodes Room |
| 17:20 - 18:20 | Refreshments Lounge |

● ARTIFICIAL INTELLIGENCE & CONNECTED DATA

● LINKED DATA SEMANTIC PUBLISHING

● ENTERPRISE KNOWLEDGE GRAPHS

● GRAPH DATABASES



Ontotext developed technology to build big knowledge graphs and apply cognitive analytics to them to provide entity awareness – semantic fingerprints derived from rich entity descriptions.

Our company graph provides entity awareness about all locations on Earth and the most popular companies and people.

Join Atanas Kiryakov, Founder and CEO of Ontotext who will use Ontotext GraphDB to demonstrate analytics on this knowledge graph of 2 billion triples. The company graph combines several open data sources, mapped to the FIBO ontology, and interlinks their entities to 1 million news articles.

Atanas Kiryakov is presenting as part of the Educational Track between 9:50 - 10:20

Visualize & explore your graph data

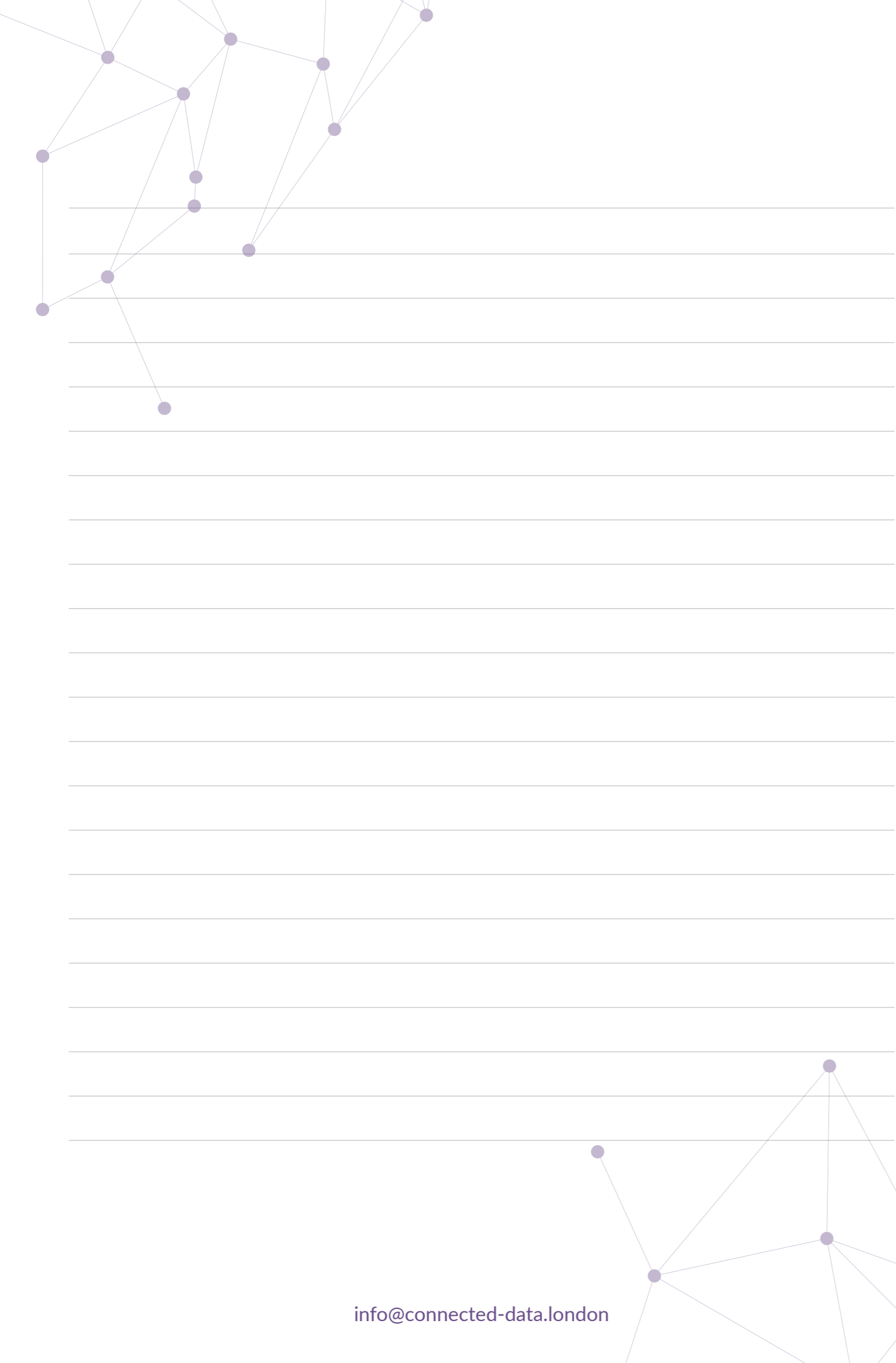
Gain rapid data insight for a faster and better informed response with KeyLines, the graph visualization toolkit.

- Reveal rich intelligence
- Visualize graph data from any source
- Explore geospatial networks
- Discover how your data evolves over time
- Group nodes to understand complex data

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CONTACT US

info@connected-data.london | connected-data.london
3 Loughborough St London SE11 5RB, UK

