

HOLYROOD {CONNECT}



AI & **AUTOMATION** in the Public Sector



#PublicSectorAI

**EVENT
GUIDE**

February 3rd - 4th 2021 | **VIRTUAL CONFERENCE**



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CONFERENCE CHAIR



DAVID LEE, JOURNALIST AND HOST

David Lee has hosted around 300 in-person and online events over the last decade - from large policy conferences to intimate round-table discussions - for a wide range of public, private and third sector clients across the UK. He has a specific interest in data science, fintech, life sciences, legal affairs, and rural issues.

David moved quickly to focus on online events when the pandemic hit and hosted 35 virtual events between April and December 2020 - from webinars to full-day conferences, and across all the main online platforms. He also ventured into podcasting and hosted the Data Capital series, working closely with the Edinburgh-based DDI initiative.

Before launching his own business in 2009, David worked for daily newspapers for 20 years, latterly as Senior Assistant Editor at The Scotsman.

Away from work, he is a father of four children (and two dogs), a passionate coastal rower and an enthusiastic footballer of declining ability.



Unify

your people and processes
with automation



No matter the complexity of your environment or where you are on your IT modernisation journey, an IT operations automation strategy can help you improve existing processes.

Automation can save you time and costs, increase quality, improve employee satisfaction, and meet the growing demands and needs of your stakeholders and citizens.

Joins us at the **Public Sector AI & Automation conference** on Wednesday 3rd Feb at 2pm, to hear from Ronald Meuwsens, Red Hat's EMEA Go-To-Market Leader for Applications, Processes, AI.

Visit our website to find out more about how automation can help you find smarter ways of getting things done.

redhat.com

WELCOME

Welcome to Public Sector AI & Automation!

Holyrood Connect has organised this online conference for you and we are excited to provide the same high-quality agenda and speakers, direct to a location of your choice.

Within this digital handbook you will find the conference agenda as well as profiles of our speakers and sponsors. Don't forget to join the conversation on Twitter using #PublicSectorAI

Our Platform

We have partnered with Glisser to provide you with an unparalleled event experience. As much as we would like to all be in a room together, we think this is the next best thing. When a session is live, it will show up under the 'On Now' tab on the platform. Simply click into the session and you will hear our presenters as they are presenting.

Submitting Questions

If you have a question to ask during a session, you can submit your question in the chat box on the Glisser platform. This allows you to simply type in your question and submit to the presenter who will see it straight away. All questions will be asked to the presenters during the Q&A portion of the session, but we encourage you to submit them as you are thinking of them.

Online Evaluation

You will receive an online evaluation form after the event. We would be extremely grateful if you could complete this with any constructive comments (good or bad) to help us in the development of future online events.

Finally, we hope that you enjoy this conference and leave with new ideas that you can take forward into future discussions. We look forward to seeing you again in-person at a future Holyrood event!

HOLYROOD EVENTS TEAM



HOLYROOD {CONNECT}



AI & AUTOMATION

in the Public Sector

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Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments.

A trusted adviser to the Fortune 500, Red Hat provides award-winning support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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Blue Prism is the global leader in intelligent automation for the enterprise, transforming the way work is done. At Blue Prism, we have users in over 170 countries and more than 2,000 businesses, including Fortune 500 and public sector organizations, that are creating value with new ways of working, unlocking efficiencies, and returning millions of hours of work back into their businesses. Our intelligent digital workforce is smart, secure, scalable and accessible to all; freeing up humans to re-imagine work.

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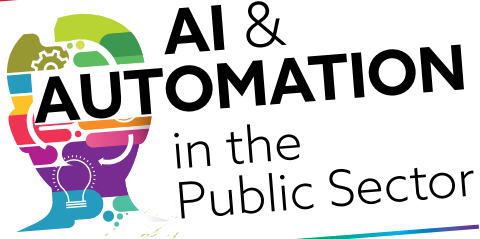
UiPath®

UiPath has a vision to deliver the Fully Automated Enterprise™, one where companies use automation to unlock their greatest potential. Only UiPath offers an end-to-end platform for automation, combining the leading Robotic Process Automation (RPA) solution with a full suite of capabilities that enable every organization to scale digital business operations at unprecedented speed.

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AGENDA

DAY 1

Wed 3rd Feb

09:30 - 10:30

Unlocking the Power of Public Sector AI and Automation

Intelligent Automation and Artificial Intelligence powered applications can play a transformative role in empowering the public sector by automating routine tasks and delivering efficiencies that allow organisations to focus on delivering high quality services to citizens.

This session will assess how this potential can be unlocked across Scotland, with input from key policymakers and industry experts.

**Albert King,***Chief Data Officer,
Scottish Government***Guy Kirkwood,***Chief Evangelist, UiPath***Professor David Lane,***Director, Edinburgh Centre
for Robotics and Member,
UK Government AI Council*

11:00 - 12:00

COVID-19 Case Studies

Intelligent Automation and AI have played a major role in combatting the challenges presented by COVID-19.

In this session we will spotlight several use cases of such technologies since March 2020 and examine what lessons they might provide for the future.

**Michael Moynihan,***Head of Information
Security, Education
Scotland***Steve Roud,***Associate
Director - Architecture
and Solutions, NHS
National Services for
Scotland***Jarmo Eskelinen,***Executive Director,
University of Edinburgh
Data Driven Initiative*



Wed 3rd Feb

DAY 1**14:00 - 15:00****Compatability and Interoperability:
Deploying AI and Automation with
Legacy Systems**

It's easy to trumpet the potential of Intelligent Automation and AI in an ideal world of clean slates and blank cheques, less so in a world of budget constraints and legacy systems.

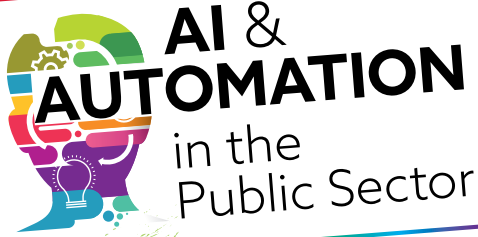
Yet it is possible. This session will bring together a panel of public and private sectors to discuss how your organisation can incorporate AI that fits seamlessly with existing systems.

**Red Hat****Gus Niven,***Intelligent Automation
Manager, City of
Edinburgh Council***Ronald Meuwesen,***EMEA Go-To-Market
Leader - Applications,
Processes, AI, Red Hat***Paul Christie,***Head of IT Service,
Registers of Scotland***15:30 - 16:30****Security and Privacy by Design**

To unlock the power of Intelligent Automation and AI, the public sector must achieve buy in from citizens, particularly in ensuring that their personal data is protected.

So how can your organisation deliver AI that incorporates privacy and security by design?

**Scott Barnett,***Head of Information &
Cyber Security, NHS
National Services for
Scotland***Alister Pearson,***Senior Policy
Officer, Information
Commissioner's Office***Benjamin Welby,***Policy Analyst – Digital
Government and Open
Data, OECD*



AGENDA

DAY 2

09:30 - 10:30

Ethical AI

Whilst Intelligent Automation and AI has enormous positive potential, it can also run the risk of being misused if not designed effectively.

In this session we will bring together experts from across Scotland and further afield to discuss best practice in ethical use of AI an Intelligent Automation.



Professor Shannon Vallor, *Baillie Gifford Chair in the Ethics of Data and Artificial Intelligence, Edinburgh Futures Institute*



Patricia Ruddy, *Head of Data Protection, NHS National Services for Scotland*



Alister Pearson, *Senior Policy Officer, Information Commissioner's Office*

11:00 - 11:40

Making Scotland an AI Nation

In our final session we will discuss how Scotland can leverage all sectors of society including the public, private and third sectors in order to become a world leader in the development and deployment of Intelligent Automation and AI solutions.



Kate Forbes MSP, *Cabinet Secretary for Finance, Scottish Government*



Phil Sheen, *Head of Public Sector (UK & Ireland), Blue Prism*



SPEAKERS



SCOTT BARNETT, *Head of Information and Cyber Security, NHS Scotland NSS*

From the public to the private sectors and back again, Scott has worked in information and cyber security for the past 17 years. Latterly the Deputy CISO at TSB Bank, he joined NHS Scotland NSS in September last year. As Head of Information and Cyber Security he leads the mission to deliver a world class cyber security operations capability for Scotland's Health Sector. He is excited by new technologies and ways of working and how they impact society and an advocate of security challenges being presented in everyday language that's understood by users, managers and decision makers alike.



JARMO ESKELINEN, *Executive Director, Data-Driven Innovation, University of Edinburgh*

Jarmo Eskelinen is a smart city and open data expert with a background in architecture, digital media and urban events. He is based in the University of Edinburgh as the Executive Director of the Data Driven Innovation programme. The 15-year, £660m initiative spans across ten industry domains from creative industries and healthcare to fintech and robotics, building five new innovation hubs connected to supercomputing infrastructure. The DDI programme is part of the £1.3bn Edinburgh City Region Deal.

Previously Jarmo has been the Chief Innovation and Technology Officer of the Future Cities Catapult from 2016, founder and CEO of Forum Virium Helsinki innovation lab 2006–16, Executive Director of the Media Centre Lume of the Aalto University 2001-06, and the Head of Programme of the Helsinki 2000 European City of Culture.

Jarmo is a member of the Smart London Board, board member of Open Knowledge International, founder and former vice chair of the Open & Agile Smart Cities network OASC and former President of the European Network of Living Labs ENoLL.



KATE FORBES, *Cabinet Secretary for Finance, Scottish Government*

As a backbencher, Kate has served on the Scottish Parliament's Environment, Climate Change and Land Reform Committee, the Standards, Procedures and Public Appointments Committee, the Health and Sport Committee and the Rural Economy and Connectivity Committee. She also served as Parliamentary Liaison Officer for Finance and the Constitution.

As well as leading a campaign to ban plastic straws, Kate has participated in several cross party groups at Holyrood including Crofting, Gaelic, Human Trafficking, Palliative Care and Rural Policy. A fluent Gaelic speaker, Kate made history earlier this year by becoming the first female MSP to give a plenary speech entirely in Gaelic in the current Scottish Parliament chamber.



ALBERT KING, *Chief Data Officer, Scottish Government*

Albert King is Chief Data Officer in The Scottish Government and leads the Data & Digital Identity Division. He is passionate about our vision that data be used routinely to save time, money and lives creating economic, social and environmental value. Albert applies the experience he has gained working in digital and data across sectors such as financial services, logistics, healthcare and the public sector to deliver the platforms that support data and analytics across the Scottish Government, foster data innovation and provide expertise and policy insight in data, identity and AI.

SPEAKERS



GUY KIRKWOOD, *Chief Evangelist EMEA, UiPath*

A passionate advocate of the as-a-service economy, Guy has 20 years' experience in outsourcing and a particular interest in innovation and future development of the shared services and BPO markets. He is a writer and presenter on process automation and the future of work. Since becoming Chief Evangelist, Guy has a bi-directional role, communicating 'out' from UiPath and listening to its community of developers, customers, partners and analysts; communicating it back 'into' the development, product, marketing and sales teams. In this way, he's able to help the company scale to ultimately IPO in the near future.



DAVID LANE, *Professor, Founder, Edinburgh Centre for Robotics, Heriot-Watt University*

Professor David Lane PhD CBE FREng FRSE is a passionate scientist, innovator, educator & personal investor in the twin disciplines of Robotics & AI.

As Founding Director he co-created the Edinburgh Centre for Robotics and National Robotarium, a £120m research and translation hub at Heriot-Watt and Edinburgh Universities with 150+ staff and PhD students. He is Principle Investigator in the EPSRC ISCF/Industry ORCA Hub developing advanced robotics for offshore energy asset integrity management from the science base in Edinburgh, Oxford, Imperial College and Liverpool. He has published 300+ peer reviewed papers engineering advanced cognition, sensing & bio-inspiration into unmanned systems,

A founding startup-to-scaleup award winning CEO (<http://www.seebyte.com> Edinburgh, San Diego) he is Chairman or NED in 5 businesses & 1 fund in UK, Norway, Hong Kong with experience in Edtech, Healthcare, Manufacturing, Offshore Energy, Defence and Food.

His entrepreneurship has been recognized through the 2011 Praxis Unico Business Impact Achieved Award, the 2013 Scottish Digital Technology Award for International Growth, the 2018 Guardian University Business Collaboration Award and the 2019 Scottish Knowledge Exchange Champion Award.

He is co-chair of the UK Government Robotics Growth Partnership appointed by the Minister of State for Universities, Science, Research and Innovation and a member of the UK AI Council.



RONALD MEUWSEN, *EMEA Go-To-Market Lead / Application / Processes / AI, Red Hat*

Ronald Meuwsen joined Red Hat in 2018 and he heads up business development for Red Hat's Application Services offerings in EMEA. He aims to enable businesses and organizations to innovate and grow, and is a strong believer that cloud-native application development, a process-driven approach and a collaborative culture are key elements to help achieve that.



MICHAEL MOYNIHAN, *Head of Information Security, Education Scotland*

Michael is currently responsible for Information Security at Education Scotland which incorporates Glow-Scotland's online digital learning platform which includes the largest single Microsoft tenancy in Europe with circa 1,00,000 provisioned users. Michael joined Education Scotland in January 2018 bringing a wealth of industry experience from previous roles at organisations such as Weir Group, IAG and IBM.

SPEAKERS



GUS NIVEN, *Intelligent Automation Manager, The City of Edinburgh Council*

Gus has been managing the Intelligent Automation programme at The City of Edinburgh Council since March 2018. A public sector front runner since its inception, the CEC Intelligent Automation Centre of Expertise has become the most successful public sector RPA programme in Scotland.

Gus' lifelong drive to have a wide breadth of experience and to continually improve has led to a career spanning several different industries including productivity consultancy, film and video production, a restaurateur, commercial operations and now Intelligent Automation. Experienced in people management and building tight knit teams, Gus relishes challenges, innovation and open mindedness. A believer in fundamental change and forging forward while remembering to bring along the best aspects of the past.



ALISTER PEARSON, *Senior Policy Officer, Information Commissioner's Office*

I have been at the ICO since February 2018 and part of the Technology department since January 2020. When I first joined the Technology department, I worked closely with Professor Reuben Binns on the AI auditing framework. In July, we published the Guidance on AI and Data Protection which provided our thinking on what constitutes good practice, as well as how we interpret data protection

law when it comes to AI systems that process personal data. Since then, I have continued to focus on AI and other algorithmic-based technologies and the intersections they have with data protection law. I am particularly interested in how data protection law addresses ethical concerns that are created or exacerbated by AI.



STEVE ROUD, *Associate Director Digital Innovation and Transformation, NHS National Services Scotland*

Steve Roud is a change agent who specialises in digital technologies. He is a former chair of SOCITM Scotland and has achieved success with public sector organisations such as Angus Council, Abertay University and Dundee University.

After spending more than 30 years in public services, Steve has expertise in leadership, portfolio delivery and transformation. He holds a master's degree in Leadership, a PgDip in Information Technology a BA in Information Management and is currently studying on the MSc Data Science for Business course at Stirling University.



PATRICIA RUDDY, *NSS Head of Data Protection/ Data Protection Officer, NHS National Services Scotland (NSS)*

Patricia has worked for over 25 years in the Scottish health service. Initially working in systems analysis, she has spent 20 years in the field of data protection, her roles including data protection officer and national data protection advisor to data protection staff in other Scottish health boards. She worked for four years at national policy level on confidentiality and data protection, as a policy advisor

within the Scottish Government's health directorates. Patricia graduated from the University of Edinburgh with an LLM with Distinction in Medical Law and Ethics in November 2011. Working within health, it has always been necessary to navigate both legal and ethical requirements, including those in relation to the medical duty of confidentiality. Patricia's current role is to not only hold the statutory role of DPO but to also champion data privacy within the organisation, striving to help ensure that its vision and strategy address data privacy requirements across its business units and work programmes.

SPEAKERS



PHILIP SHEEN, *Head of Public Sector, UK*

Philip is the Head of Public Sector at Blue Prism (UK & Ireland); responsible for the strategic engagement and development across the various verticals.

With over 15 years' experience of engaging with the UK Public Sector across IT, Telco and Consulting services; Philip is passionate about what Blue Prism has to offer and why the UK Public Sector should be engaged with this publicly listed UK Tech business. Focused on driving £500m of savings from across the Public Sector in the coming 24 months and enabling organisations to deliver the best citizen / patient outcomes possible - whilst putting people at the heart of the intelligent automation agenda.



SHANNON VALLOR, *Baillie Gifford Chair in the Ethics of Data and AI, University of Edinburgh*

Shannon Vallor is the Baillie Gifford Chair in the Ethics of Data and Artificial Intelligence and Director of the Centre for Technomoral Futures within the Edinburgh Futures Institute at the University of Edinburgh, where she is also a Professor of Philosophy. Professor Vallor's research explores how emerging technologies reshape human moral and intellectual character, and maps the ethical

challenges and opportunities posed by new uses of data and artificial intelligence. Her work includes advising academia, government and industry on the ethical design and use of AI, and she is a former Visiting Researcher and AI Ethicist at Google. She is the author of the book *Technology and the Virtues: A Philosophical Guide to a Future Worth Wanting* (Oxford University Press, 2016) and winner of multiple awards including the 2015 World Technology Award in Ethics.



BENJAMIN WELBY, *Policy Analyst – Digital Government and Open Data, OECD*

Benjamin Welby's work on digital government and data for the OECD has included country reviews of Panama, Slovenia and Chile and thematic work on data in the public sector, digital identity, service design and delivery, digital skills and the impact of digital government on citizen well-being. He's also contributed to the development of the conceptual framework underpinning the OECD's Digital

Government Index, the first pilot results of which will launch in late 2020.

Benjamin started his career in UK local government before moving to central government and spending 6 years with the Government Digital Service. During his time at GDS he was part of the team that launched GOV.UK and went on to have product management responsibility for GOV.UK's first general election, the Performance Platform, Government as a Platform and the Digital Marketplace. He also sat on the Spend Controls Approval Board and acted as a Lead Assessor for Service Standard Assessments.

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