

# THE NORTH EAST'S BIGGEST CYBER FESTIVAL

ALNWICK CASTLE - 24 SEPT 2019  
#CYBERFEST

Welcome to #CyberFest in conjunction with Advance Northumberland and Northumberland Estates on 24 September in the Guest Hall at Alwick Castle:

Theme: Advancing manufacturing - managing disruption caused by digital technology and the fallout of cyber as business models are changing.



Sponsors:

Advance Northumberland is a unique economic regeneration company, newly established by Northumberland County Council with a clear remit to improve prosperity, quality of life and increase business activity throughout the communities of Northumberland.

Northumberland Estates is a multi faceted business based at Alnwick Castle. Recent years have seen the organisation diversify away from historic income streams, putting property investment, development and management at its core, but still retaining significant investment in more traditional enterprises such as farming, forestry and tourism.

<b>Time</b>	<b>Event</b>
16:00	Open and networking
16:30	<p>Welcome and introduction Phil Jackman - Director Dynamo North East</p> <p>Cllr Richard Wearmouth - Cabinet Member for Economy, Northumberland County Council and Chairman of Advance Northumberland</p> <p>The shape of manufacturing in the NE and the potential opportunities in a post-Brexit world. Peter Snaith - Womble Bond Dickinson</p>
17:10	<p>The advancing shape of manufacturing Marianne Whitfield Metrology Software Products</p>
17:30	<p>Making Alnwick Castle and impenetrable fortress again Rod Kelly - Head of IT, Alnwick Castle and Northumberland Estates</p>
17:50	<p>Innovation in Manufacturing Adrian Allen OBE Executive Director of the AMRC Group</p>
18:10	<p>Audience Q&amp;A Caroline Churchill - Womble Bond Dickinson</p>
18:30	<p>The growing regional cyber opportunity Phil Jackman - Dynamo North East</p>
18:40	Networking and close

**NORTH EAST ENGLAND - THE PLACE TO DELIVER RESILIENT BUSINESS**

**CYBERCRIME HAS BEEN RECOGNISED BY THE GOVERNMENT AS ONE OF THE KEY RISKS TO BUSINESS.**

All businesses are at risk and those that have considered the potential impact of a security breach and taken steps to minimise the way in which they can be affected are more likely to survive a cyber security incident.

Most cyber attacks are opportunistic than targeted; the risk can be minimised through staff training, education, design, testing, research, audit, compliance, and forensics - we're strong in all of these in the North East.

**CYBER (TALENT) IN THE NORTH EAST**

The North East is well placed to grow cyber related businesses on the back of its high growth tech sector and collaborative culture.

Over 50 companies offering cyber security services.

Cyber offers huge growth potential over the coming decade with estimates of expenditure by 2020 of 6% of global GDP.

This means

- for students: more job opportunities, in many disciplines, from advice to technical
- for businesses: more sales opportunities in a high growth area
- for those looking for a new challenge: a great, challenging and worthwhile career

Cyber affects all businesses of all sizes across all sectors.

**CYBER CAREER TIPS**

- Cyber is a continual learning and growth career
- Understand risk and keep up to date with vulnerabilities and mitigations
- Stay curious and keep learning
- You don't need to have studied computer science
- Entry level roles are emerging but generally experience in other areas of IT is needed

**What employers look for**

- Candidates that fit their organisations culture
- Positive attitude
- Creative problem solving and a good eye for detail
- Ability to work under pressure and meet deadlines
- Good communication and social skills
- Self-motivation – you'll probably be working on your own a lot and long hours

**Stand out from your friends**

- Practice thinking about threats, risk and mitigation and customer service
- Work experience / summer work
- Keep a log of what you do and build a 'portfolio' of your best work

## CYBER SERVICES IN THE NORTH EAST

PAYMENT CARD STANDARDS AND PAYMENT/CREDIT CARD FORENSICS • DATA STORAGE AND PROCESSING FOR BLUE-CHIP COMPANIES AND HIGH-PROFILE INDIVIDUALS • ENSURING THE GOVERNMENT CAN COLLECT TAXES • LOCAL AND REGIONAL POLICE FORCES AND CYBERCRIME UNITS • KEEPING NHS, EMERGENCY SERVICES AND GOVERNMENT SYSTEMS AND DATA SECURE AND AVAILABLE • MAKING SURE A THIRD OF THE COUNTRY'S WORKERS CAN GET PAID • SAFE WI-FI FOR MOST OF THE WORLD'S TRAINS • SECURE E-COMMERCE, ON-LINE FINANCIAL TRANSACTIONS AND BANKING • SECURING LEADING LOTTERY, ONLINE GAMING, BINGO AND CASINO PLATFORMS • SECURING MANUFACTURING PROCESSES – FROM PASTIES TO BEER, WIND TURBINES AND CARS • SECURITY AND COMPLIANCE AUDITS • SECURITY AND COMPLIANCE CERTIFICATION (ISO 27001, 27017, BS10012, CYBER ESSENTIALS ETC.) • ANTI-FRAUD, SUPPORT AND EARLY-WARNING NETWORKS • INFORMATION SECURITY AND DATA PROTECTION ADVICE AND CONSULTANCY • LEGAL ADVICE AND INSURANCE • WORKPLACE RECOVERY CENTRES • VULNERABILITY AND PENETRATION TESTING • BUSINESS CONTINUITY CONSULTANCY AND REHEARSAL • AWARENESS TRAINING • PHISHING SIMULATION • PROTECTING NATIONAL INFRASTRUCTURE, WATER AND ENERGY SUPPLIES • MANAGED SECURITY SERVICES (SECURITY MANAGER AS A SERVICE)

## THE NORTH EAST'S A GREAT CYBER PLACE

### Great facilities, expertise and educational institutions

- 5 universities - two accredited Academic Centres of Excellence in Cyber Security (out of 17 in the UK)
- Over 400 students studying cyber related subjects
- Local research specialisations such as
  - Data
  - Fintech
  - Identity
  - Privacy
  - Trust
  - CCTV analysis
  - Digital build
  - Renewable and offshore energy
  - Advance manufacturing
- National Innovation Centre for Data
- National Innovation Centre for Ageing
- HMRC and DWP volume processing centres
- Highest proportion of students studying STEM subjects in the UK
- Two of the top three universities for startup businesses

### ABOUT DYNAMO NORTH EAST

The north east's industry-led IT cluster

Brings together all sorts of people working in IT

- Schools
- Colleges
- Training providers
- Universities
- IT Companies
- Companies with IT sections
- Councils, health, emergency services, Government

Connects organisations with similar interests through events, conferences and awards

Dynamo's Cyber Achievements

- Secured core funding for the workstream
- #CyberFest18 – 5 events, 500 delegates
- Regular bi-monthly events
- School taster events
- #CyberFest19 - 11 events
- Cyber 101 bootcamp
- Business case for ORCANE and CyberPark

### Active local cyber scene

- Regional Police 'cyber volunteer' programme
- #CyberNorth and #cyberfest initiatives
- Active ISC<sup>2</sup> chapter
- Active OWASP chapter

### People working in Cyber earn more than their peers

Cyber is one of the highest paying tech specialisations

- 6 vacancies for every candidate
- IT Security Officers can earn around £30,000IT  
Security Managers can earn around £72,000

### Some initiatives we're working on

- **#CyberFest** is the North East's annual cyber festival held across multiple events in September. Growing in stature and attracting hundreds of delegates it is building the region's cyber credentials.
- **CyberPark** is a developing concept that enables companies that provide cyber related services to work collaboratively and provide services to meet national and international demand yet still remain competitive.
- The **Office for Rapid Cyber Advancement North East (ORCANE)** is a plan to replicate the London Office for Rapid Cyber Advancement in the region. This will see business, academia and government come together to create new cyber businesses in a supportive development environment.



**accenture**

Cluster Sponsor