> Research & Innovation Goldmines on our Doorstep

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## **Welcome & Introduction**

### **Graham Watts**

LBV Director and Santander Invoice Finance Specialist

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## **Our Speakers**

- Prof Phil Baker, PVC Research and Enterprise -University of Leicester
- Prof Steve Rothberg, PVC Research -Loughborough University
- David Mba, PVC Research and Enterprise -De Montfort University



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## Business Support & Innovation for the Regional Economy Professor Phil Baker



## **Driving Business Innovation**



## **One Stop Shop**

- Start Up Coaching & Networks
- European Space Agency Incubator
- Funded research collaboration (SPRINT, KTP, STAR, Life Science Accelerator Leicester Innovation Accelerator)
  - Subsidised access to research facilities
- Business co-location
- Training
- Student placement, Project & graduate recruitment



## Case Study

Discovery to Adoption

- University research in sensors & air quality
- Incubated at University
- Collaborator (Bluesky) become JV partner in Spin Out
- Multiple Innovate UK projects
- Knowledge Transfer Partnerships
- Recruitment of University Graduates
- 25 staff, mature product portfolio and colocated at Space Park Leicester



## **Engage the team**



Space Park Leicester <u>enquiries@space-park.co.uk</u> 0116 373 6060



Leicester Innovation Hub LeicInnovation@le.ac.uk 0116 373 6471



## Working in partnership with





Prof Steve Rothberg, Pro Vice-Chancellor (Research)

LBV, 10 Sept 21



## Getting to know us

The University is made up of various departments, schools, institutes and research centres, all of whom contribute to the success we enjoy and the high standards set.





### RESEARCH EXCELLENCE

Loughborough's research strengths span the arts, humanities, business, social sciences, sport, health, science, design, engineering and mathematics, supported by £40 million in new research grants every year.

Many of our individual strengths cluster around enduring themes and we call these world-class research areas our Beacons:

#### BUILT ENVIRONMENT

The built environment is complex, dynamic and under pressure from rising urban populations, ageing infrastructure and environmental risks

#### COMMUNICATION AND CULTURE

From social interaction to mainstream and social media, including political communication, conversation analysis, and analysis of visual and performing arts

#### HIGH-VALUE MANUFACTURE

Cutting edge, next generation manufacturing processes and technologies for a sustainable future

#### SPORT AND EXERCISE

Optimising athlete performance, revolutionising sport medicine, innovating in equipment design, enhancing engagement and challenging sport integrity

#### TRANSPORT TECHNOLOGIES

Efficient, safe, sustainable and clean mobility solutions for road, rail and air

In our Global Challenges programme, we work with international partners to deliver multi-disciplinary solutions to the biggest societal challenges of the day:

#### CHANGING ENVIRONMENTS AND INFRASTRUCTURE

Tackling the challenges to global economies and ecosystems presented by climate, land use and hydrological change

#### ENERGY

Bringing low carbon technology and user behaviour together for a future where energy supply is secure, sustainable, clean and affordable

#### HEALTH AND WELLBEING

Addressing global issues in planetary health, healthcare, exercise and health, antimicrobial resistance, and dementia

#### SECURE AND RESILIENT SOCIETIES

Creating resilient urban spaces, conflict and emergency zones and enhancing economic and financial resilience



# My aim today is not to over-complicate it!

- We are genuinely keen to work with public, private and voluntary sectors and do so extensively
- Google "Loughborough University Enterprise" (though I will say more in my second slot)
- We have tried-and-tested mechanisms, some with public funding, and a dedicated team to help you find your way around

#### Google XQ loughborough university enterprise Tools Images : More Maps News Shopping About 1.830,000 results (0.62 seconds) https://www.lboro.ac.uk > students > len \* Enterprise Network - Loughborough University From inspired idea to the next big business start-up, we're here to support students and graduates on their enterprise journeys. What's on · Meet the Team · Start-up fund · Resources https://www.lboro.ac.uk > enterprise \* Working with business, public and voluntary organisations Enterprise events, activities, competitions and support for students and graduates ... Sentric Music and Loughborough University - empowering musicians Contact us · About Enterprise · Commercialisation · Research capabilities https://www.lboro.ac.uk + about > enterprise Enterprise | About the University The Studio is a space at Loughborough University which supports Loughborough graduates to

https://www.lboro.ac.uk > internal > research-enterprise... \*

develop their business. Business and enterprise aren't just buzzwords ...

#### Research and Enterprise support | Loughborough University

The Research and Enterprise Office plays a leading role in shaping and delivering the University's research and enterprise activities





## Professor David Mba Pro Vice-Chancellor, Research & Enterprise

## PROUD TO BE MORE





"partner of choice for businesses across the Midlands who want to grow, upskill and innovate"

Addressing low skills levels, below-average digital capabilities and poor productivity rates

Connecting businesses with academic expertise

Retaining skills in Leicester







**Headline Partner** 



Headline sponsor Leicester Business Festival



## **KFC Equipment and Supplier of the Year 2019**



## **Start-ups**





Launch and delivered its **Business Builder programme** in Leicester for the first time - supporting and facilitating start-up growth (140 businesses)

## **Case Study/Showcase**

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## Digital at DMU

- The Cyber Technology Institute (CTI) was awarded/certified as an Academic Centre of Excellence in cyber security research by National Cyber Security Centre (only one in EM)
- Institute of Artificial Intelligence applying Al and big data





### Chamber's artificial intelligence and cyber partner for projects across Derbyshire, Leicestershire and Nottinghamshire









# Supermarket pricing for end-of-shelf-life goods

**Student placement** 



## **Deloitte**.



### Preparing for a cyber-attack in real time

Security Operations Centre (SOC) where it will offer a bespoke new incident response training programme.







### **IMPACTING BUSINESS BY DESIGN**

Working with Nottingham Trent University and Brunel University to help SMEs access design support

Launched in 2018, engaged with 170 companies, 26 prototypes and help gain SMEs £1.2m in private investment





Rob Ricketts Regional Business Development Manager rob.ricketts@dmu.ac.uk

Enterprise and Business Services businessservices@dmu.ac.uk

## Working in partnership with University



Prof Steve Rothberg, Pro Vice-Chancellor (Research)

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Knowledge Transfer Partnerships - work with our experts to drive innovation and unlock growth potential





#### ACCESS CONSULTANCY

Professional, bespoke services to suit your individual business needs





#### 

Access innovative ideas and technology - bring new technologies to market

Find out more



STUDENT AND GRADUATE

> Find out more

Drive your business forward with fresh ideas, energy and skills



SUPPORT FOR



**A-Z OF SERVICES** 

RT FOR

Grant funding and access to University expertise to help you innovate



y expertise to help Quick links to all the University's services available to businesses

> Find out more

SEARCH



#### Contact

#### FOCUSSED ON YOUR BUSINESS NEEDS, COMMITTED TO HELPING YOU GROW

Sectors

#### WHAT WE OFFER:

#### GRANT FUNDING, ADVICE & INFORMATION

We can support external capital and revenue costs associated with product development, innovation and growth projects.

#### **Find out more**

#### SUPPORT FOR R&D AND INNOVATION

We can help you access support from universities and research institutes giving you the knowledge you need for product and service innovation.

#### Find out more

#### PRIVACY & COOKIE POLICY

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### UK'S LARGEST UNIVERSITY SCIENCE PARK

LUSEP is an integral part of University's major role in the economy World-class research and innovation, extensive collaboration Highly sought-after graduates, skills, STEM education 14,400 jobs in the UK , £940M GVA 950 academics, 18,000 students at University 90 organisations, 3,000 employees at LUSEP

### DYNAMIC INNOVATION COMMUNITY

3,000 people in 90 knowledgebased businesses

Very early-stage start-ups to multi-million global brands

Collaborative environment – Public-private sector and cross industry



# People like working with people so what motivates our academic experts?

- Talking to non-academic experts with shared interests
- Enhancing the experience of our taught students: projects and placements
- Graduate recruitment opportunities
- Re/upskilling at post-graduate level
- Opportunities for PhD students
- Research projects:
  - better funding prospects, higher quality publication, delivering social / cultural / economic impacts from research etc.
  - Applying expertise in new areas e.g. putting social science into technology projects
- More than a casual fling
- Sweet spot: Solving your problem advances my academic interests

## UK Space Sector



## A national priority

- Global space sector growing rapidly & forecast value worth £500 billion by 2030
- UK Government target to capture 10 per cent (and 100,000 new jobs)
- Key for UK's aim to become 'a global science superpower' in its future outside the EU
- Significant space workforce growth will require skills
- Leicester is uniquely well-positioned to help deliver strategy



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# Solving the global issues of our time

- Tackling climate change
- Connecting the 3 billion 'unconnected' people
- Protecting the environment and wildlife
- Managing natural resources
- Monitoring health, disease, deforestation, and flooding







## Space Park Leicester

- Building a Space and Space-enabled cluster *—enabled by research & talent*
- Growing existing businesses landing global business
- Focus on space data and volume space production methods
- Unique innovation eco-system
- Position Leicester as Space City





space solutions













Space



### **Research & Innovation Goldmines on our Doorstep**

## Questions

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## Lend us your voice...

Presentations and useful links will be available to view at <u>www.lbv.co.uk/events</u>

If you enjoyed today's event, and would like to find out about becoming a Leicestershire Business Voice member, please visit our website at <u>www.lbv.co.uk</u>

By joining LBV, you can:
✓ Help businesses thrive
✓ Voice your opinions with local and regional decision makers
✓ Influence policy affecting our economy

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