



**IfM BRIEFING DAY**

THURSDAY 14 MAY 2015

**IfM | CAMBRIDGE | UK**



# What's new at the IfM

Mike Gregory

# Programme

- 09:15** REGISTRATION
- 09:45** WELCOME
- What's new at the IfM**  
Mike Gregory
- SESSION 1 – PLENARY
- 09:55** **Business model innovation: research and practice across the IfM**  
Chander Velu
- 10:15** **Sustainable business modelling**  
Steve Evans
- 10:35** **Making the shift to service-based business models**  
Veronica Martinez
- 10:55** **Bit-by-bit – the digital fabrication revolution**  
Tim Minshall
- 11:15** **Developing manufacturing talent**  
Judith Shawcross
- 11:30** REFRESHMENTS
- 12.00** SESSION 2 – THREE SESSIONS, PLEASE PICK ONE
- 1. Effective technology and innovation management**  
Yuta Hirose, Clive Kerr, Michèle Routley, Letizia Mortara, David Probert and Binqing Zhao (Lecture Room 1)
- 2. Industrial strategies for national, regional and local policymakers**  
Andrew Gill and Carlos López-Gómez (Lecture Room 2)
- 3. Capturing value from global networks** - strategic approaches to configuring international production, supply and service operations  
Jag Srai, Tomás Harrington, Mukesh Kumar and Eric Harris  
(Seminar Room 3)

# Programme

- 13:00** LUNCH
- 14.00** SESSION 3 - THREE PARALLEL SESSIONS, PLEASE PICK ONE
- 1. Industrial information and automation**  
Duncan McFarlane, Liz Salter, Alan Thorne, Ajith Parlikad and Phil Woodall  
(Lecture Room 1)
- 2. Designing disruption**  
James Moultrie (Lecture Room 2)
- 3. Manufacturing footprint strategy**  
Paul Christodoulou and Don Fleet (Seminar Room 3)
- 15:00** REFRESHMENTS
- 15.30** SESSION 4 - PLENARY
- 15.30** **NanoManufacturing**  
Michael De Volder
- 15.50** **Industrial inkjet technology**  
Ian Hutchings and Graham Martin
- 16.10** **Advanced manufacturing research: A pathway from lab to commercial scale**  
Ronan Daly
- 16:30** **Your IfM**  
Meet the team and find out how to get the most from the IfM
- 17.00** CLOSE

# Manufacturing

**The full cycle from understanding markets and technologies through product and process design to operations, distribution, services and sustainability**

# Activities

## RESEARCH

Industrially oriented with practical deliverables

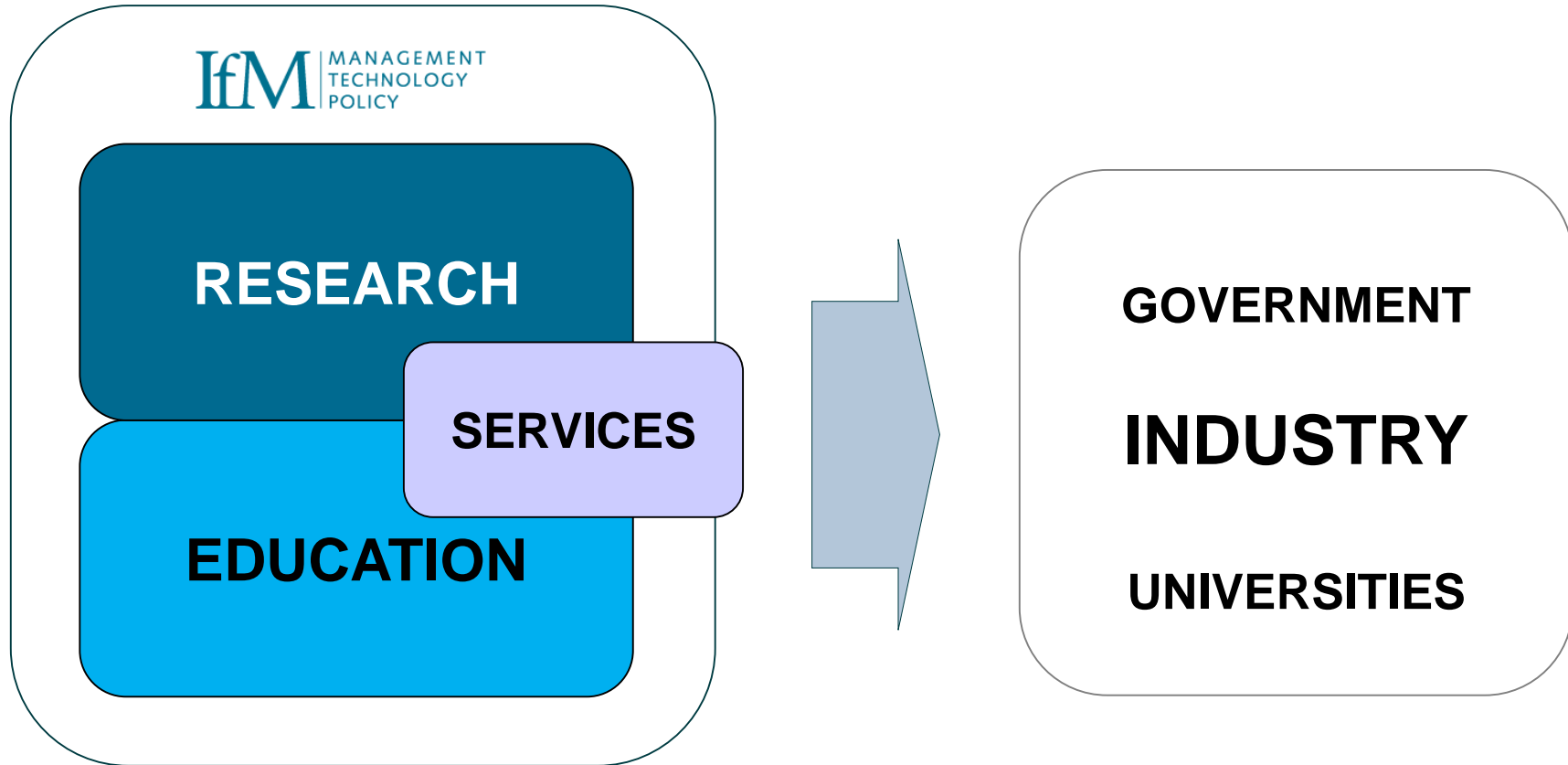
## EDUCATION

Multi-disciplinary and project focussed

## SERVICES

Developing industrial capability & performance

# Approach



# IfM Around the World

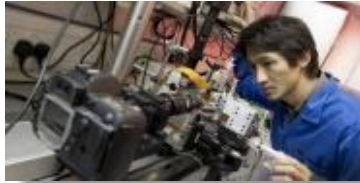


*Note - Each dot represents a city where IfM has a contact or multiple contacts*



# Research - Centres

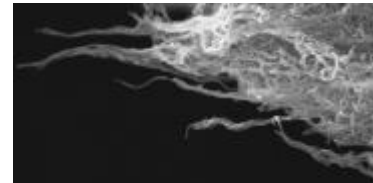
“Brings together expertise in management, economics and technology to address the **full spectrum of manufacturing issues**”



Inkjet  
Research



Industrial  
Photonics



NanoTechnology



Fluids in Advanced  
Manufacturing



Distributed Information  
& Automation Laboratory



Technology  
Management



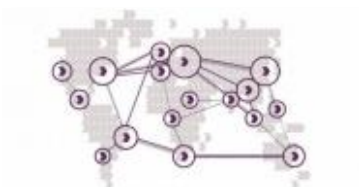
Technology  
Enterprise



Design  
Management



Strategy and  
Performance



International  
Manufacturing



Science, Technology  
& Innovation Policy

# Research – Interdisciplinary and collaborative programmes



Cambridge Service Alliance



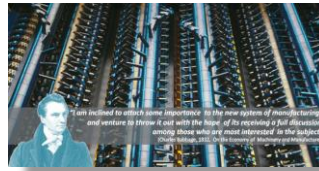
Manufacturing Industry Education Research



Business Model Innovation



Industrial Sustainability



Babbage Industrial Policy Network

# Education

Our programmes combine a comprehensive grounding in engineering, management and economic principles with practical application in industry



Manufacturing Engineering  
Tripos



Industrial Systems,  
Manufacturing &  
Management



PhD and MPhil Research  
Degrees



MRes and PhD in Ultra  
Precision



Open Courses & Events



Executive Education

# Practice

IfM Education and Consultancy Services provides a rapid dissemination route for new ideas and approaches developed the IfM. Examples include:

**Delivering growth through effective technology and innovation management** - Working with companies to turn R&D into successful products, processes and services.

**Achieving sustainable growth** – Helping ambitious manufacturing and technology companies achieve their goals

**Creating the conditions for growth** - Working with national, regional and local policymakers to develop joined-up industrial strategies.

**Capturing value from global networks** - Strategic approaches to configuring international production, supply and service operations.

**Help for smaller manufacturers** - Offering support services specially designed for smaller manufacturing companies.

**Open Innovation Forum** in the Food and FMCG Value Chain



# What's new at the IfM

## What's New

- IfM Review – A window on the IfM
- International engagement – China, Japan and US
- Understanding scale-up – Pathways to manufacturing
- Tools and methods – Developing best practices
- Innovation and business models – What are they?

## Coming soon

- Manufacturing the future conference
- Cambridge International Manufacturing Symposium
- Cambridge Service Alliance Industry Conference
- High value manufacturing refresh
- New head for IfM – Professor Andy Neely



# Session 1 – Business model innovation

## **Business model innovation: research and practice across the IfM**

- Chander Velu

## **Sustainable business modelling**

- Steve Evans

## **Making the shift to service-based business models**

- Veronica Martinez

## **Bit-by-bit – the digital fabrication revolution**

- Tim Minshall

## **Developing manufacturing talent**

- Judith Shawcross