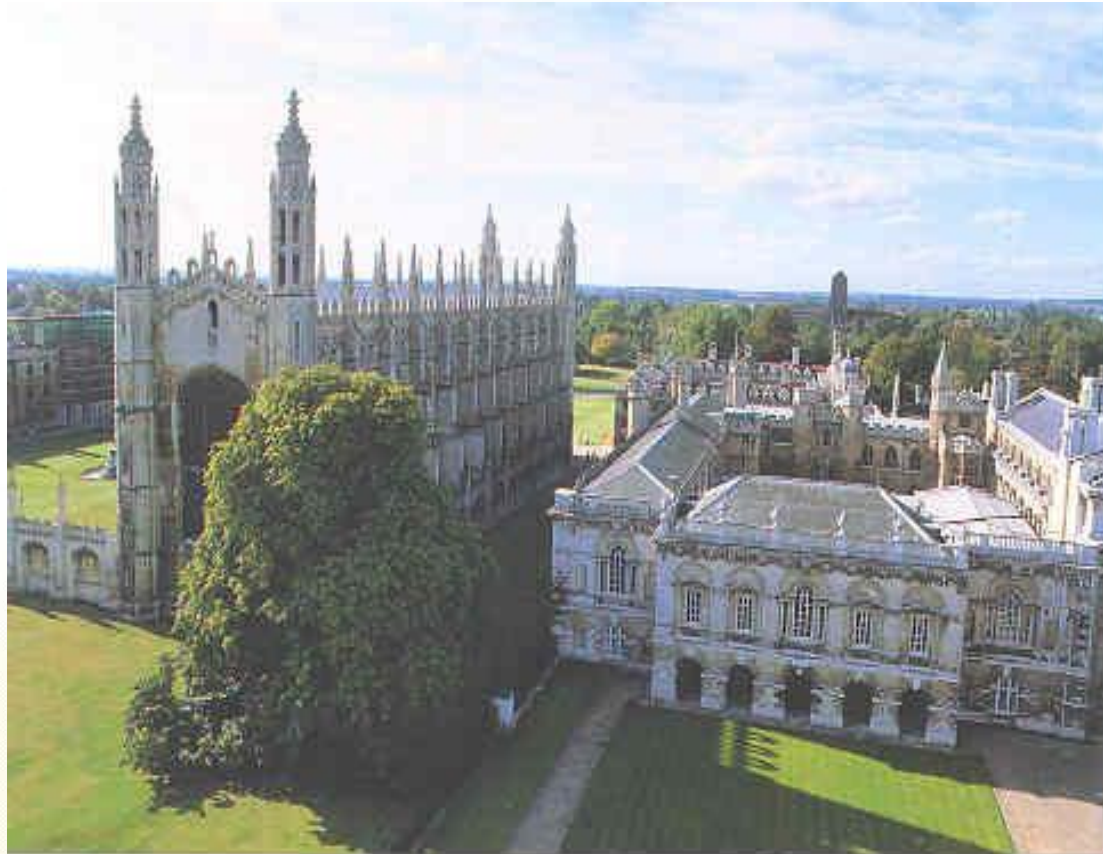


Cambridge and Technology Transfer



Prof Siddharth S Saxena, Chairman Cambridge Central Asia Forum



**UNIVERSITY OF
CAMBRIDGE**

About Us

- Our age – 800 years old in 2009
- Famous Alumni and Teachers – Darwin, Newton, Kapitza, Keynes etc.
- Noble Prize Winners - 88
- Global Outreach
- Cambridge Central Asia Forum as dedicated interface with FSU (www.cambridge-centralasia.org). 18 Years of joint initiatives.
- The Cambridge Phenomenon – largest Technology Cluster in Europe



UNIVERSITY OF
CAMBRIDGE

Technology Focus

- **Creating a research and innovation platform**
- **88 Noble Prize Winners on one hand**
- **6.5 Billion Dollars of Venture Capital on the other hand**

Development Contextualisation

From Technology Transfer → Technology development

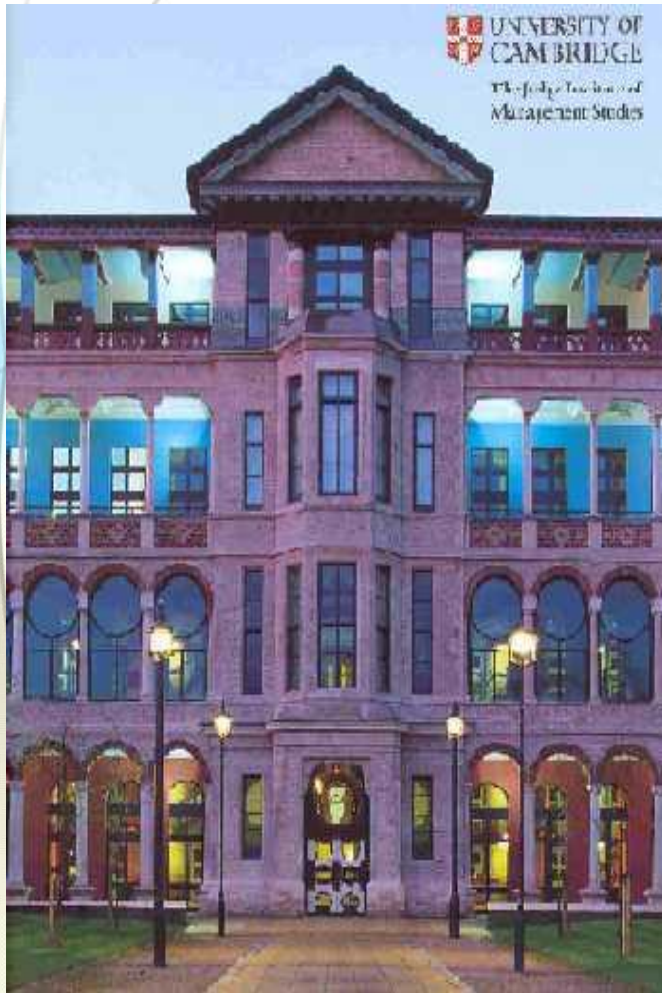


**UNIVERSITY OF
CAMBRIDGE**

Cambridge Innovation Vision

- **Develop Technology which is groundbreaking yet sustainable**
- **Support innovation at both industrial and individual scale**
- **Nurture talent, both locally and internationally through partnerships**
- **Human Capital Development, Technological Advancement and Environmental Sustainability must operate from the same platform**

Characteristics for high technology regions



- Universities and centres of academic excellence
- Entrepreneurs with marketable ideas and products
- Business angels and established seed funds
- Sources of early stage venture capital
- Core of successful large companies
- Quality management teams and talent
- Supportive infrastructure
- Affordable space for growing businesses
- Access to capital markets
- Attractive living environment and accommodation

Sources of Competitive Advantage for Cambridge

- **Capacity for innovation**
- **Diverse science base and research infrastructure**
- **Capability to diffuse knowledge and experience through collective learning and networking systems**
- **Leading to a functioning knowledge-based cluster**
- **Entrepreneurial business community – enthusiastic to participate in local, regional, national and international programmes of innovation, change and new business creation**
- **Established Science Parks and Innovation Centres**

View on Science Park Related Issues

- **The primary objective of the Science Park initiative is to establish the basis for the technological advancement and the sustainable long-term growth of the CIS economy**
- **The core focus of the Science Park initiative are the three key determinants of economic growth: *Labour, Capital and Technology***
- **Cooperation with partner institutions from the University of Cambridge, has conducted an in-depth due diligence on the current state of development of *Labour, Capital and Technology in CIS* and is in the process of developing a strategy for the short-term and the long-term development of these economic growth determinants**
- **One example is The Tashkent Science Park (TSP) which will play a central role in the delivery of this strategy**

Tashkent Centre for High Technologies

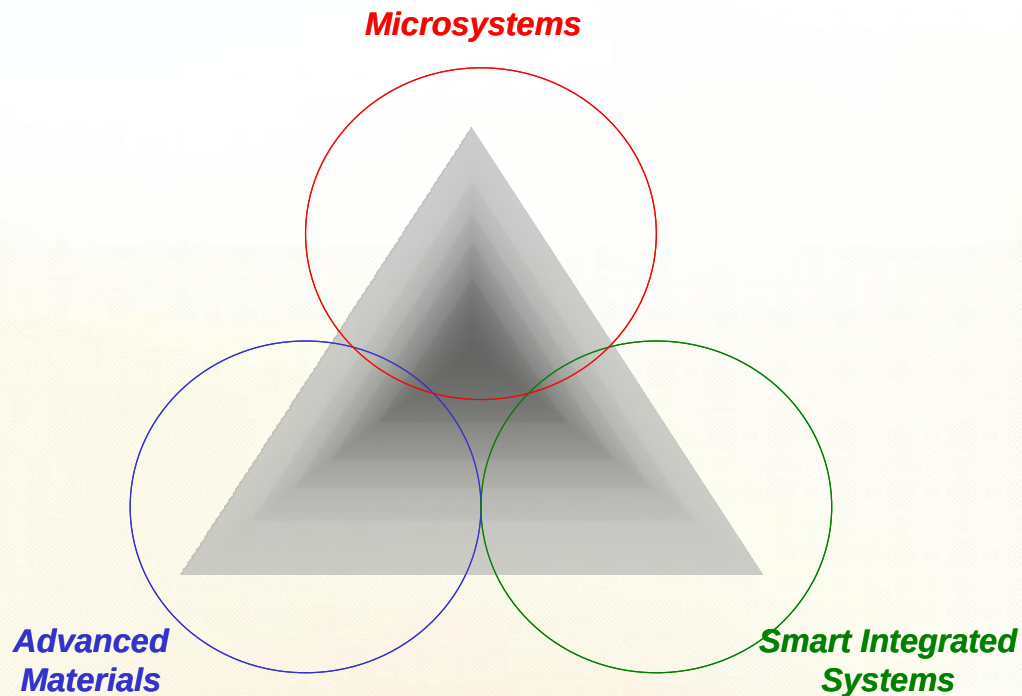
- **A unique centre offering the latest technical services, training and innovation advise**
- **A human capital development platform for training Uzbek scientist, engineers and technology entrepreneurs**
- **A high end research hub for physical, chemical, biological and engineering sciences**
- **Cambridge & UK academics, business persons and entrepreneurs will provide training and advise**
- **First step towards creating a innovation eco system**

Tashkent Centre for High Technologies

- **A Company called Cantabrigia Advisors Ltd. (www.cantabrigia-advisors.com) was launched to interface between Cambridge Enterprise, Cambridge University Technical Services, Cambridge Central Asia Forum and Uzbekistan Academy of Sciences, Ministry of Education to deliver the CHT**
- **To initiate the project the Uzbek government has committed more than 3 million euros for the latest scientific equipment and a further amount for creating building and management infrastructure and more than a million euros for training and education of scientific staff**
- **Presidential Decree in October 2011 gives us a full go ahead!**

**Center for
Materials & Microsystems
FBK, Trento, Italy**

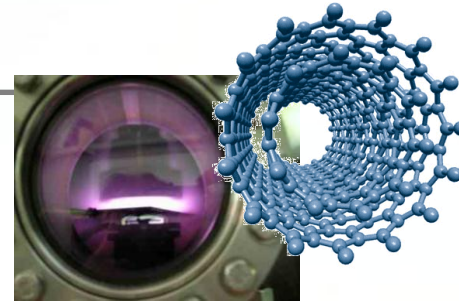
**Research Centre with a Vision to Invent and
Innovate**



Focused Research: 3 synergic areas

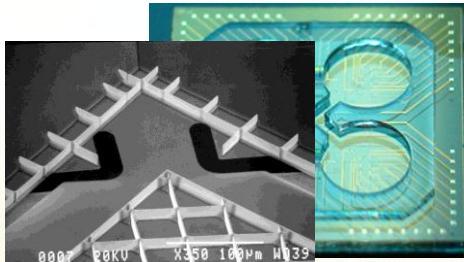
“Advanced Materials”

Study and development of innovative materials, both organic and inorganic, with particular emphasis on the study of thin films, nanostructures, and surfaces



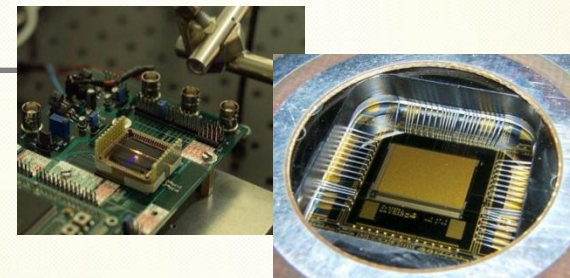
“Microsystems”

Development of technological platforms aimed at the construction of microsystems able to carry out different duties, both sensorial and implementation duties



“Smart Integrated Sensors”

Development of intelligent sensors and systems that add to the microsystems potentiality the possibility of information processing as well as the capability to communicate with the real world



A Skolkovo-Cambridge Partnership



www.camcool.co.uk

