

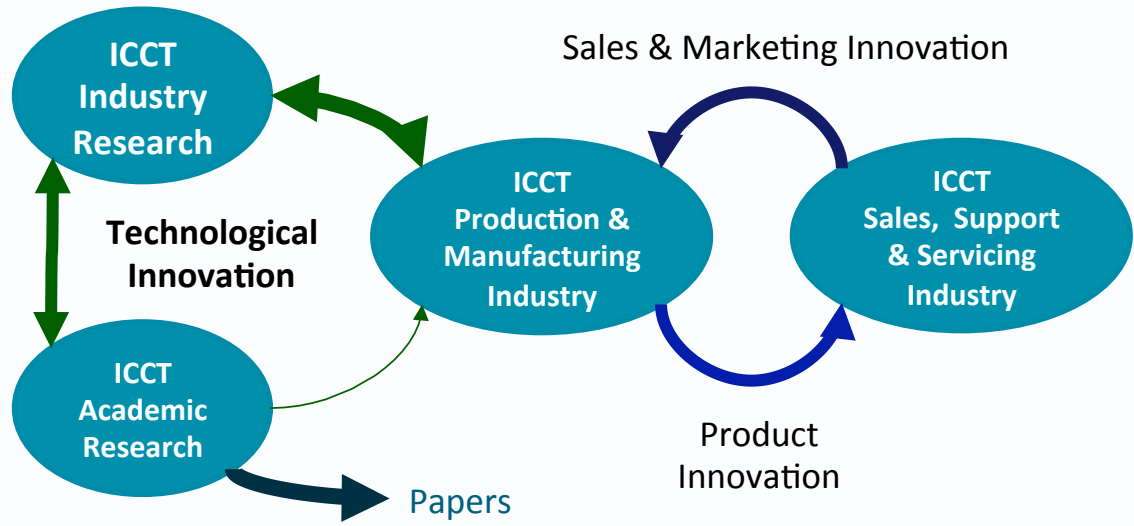
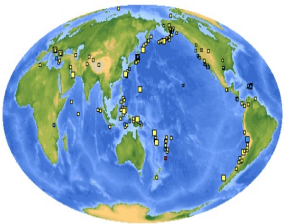
# ACDICT

## Key Challenges to ICT Research

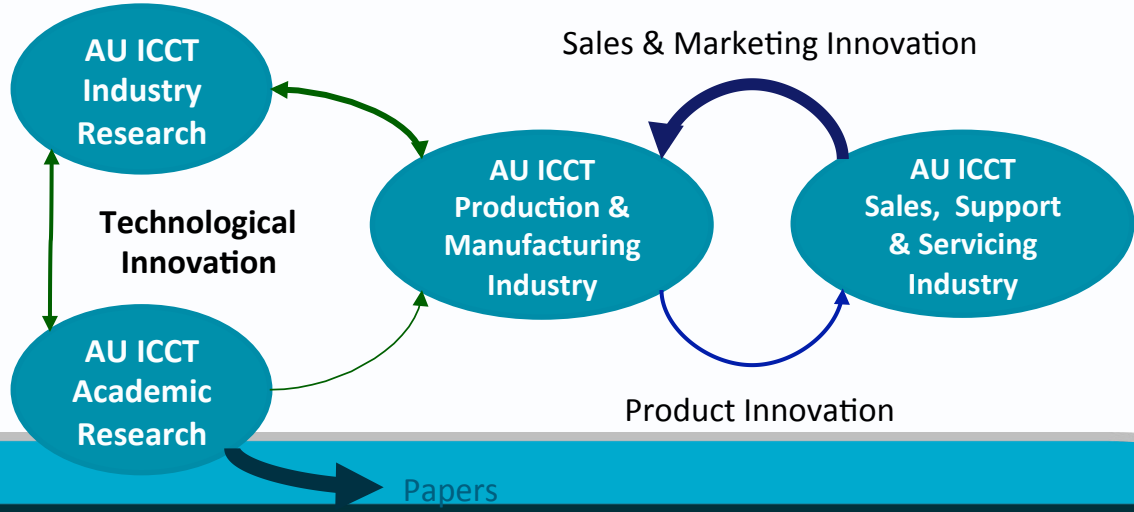
Ian Oppermann | Director, ICT Centre

3<sup>rd</sup> July 2012

# Innovation Relationships



Arrow Thickness Indicates Strength of innovation relationship



# Focus on 3 Foundations

---

Strategies for High  
Technology  
Industrialization of  
Australia

Addresses Australia's reliance on  
quarrying & primary industry & co-  
related current account deficit

2012 ACARA Design &  
Technologies & Digital  
Technologies curriculum

Procurement as  
a Fundamental  
Driver of High  
Technology  
Industry

The Educational  
Curriculum for  
ICT in K-12

The Australian  
Current Account  
deficit results  
impacted from  
purchases of  
imported complex  
manufactures

# Proposed Areas of Activity

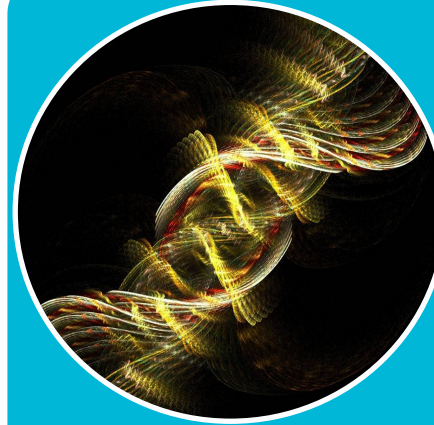


## 2011 Strategic Roadmap for Australian Research Infrastructure

- Industry, along with education, should have access to national research infrastructure and not be required to pay twice
- Cyber-physical research is missing (ICCT) from the research priorities

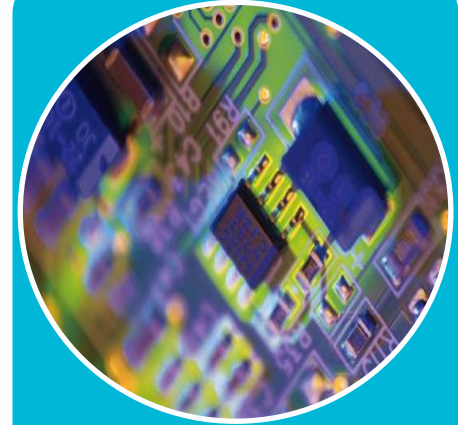


## 2011 Response to ACARA K-12 Treatment of Computer Science & Information Technologies



## 2012 National Research Priorities

- industry involvement is required in setting research priorities - including initiation, growth & strengthening AU industry
- Aim should be that large % of PhD graduates into industry
- improvements in large capital infrastructure investments (eg NBN) should help drive the initiation/support of Australian industry



## 2012 Response to Manufacturing

- Grants / subsidies to foreign companies must increase the probability that they will increase long-term, beneficial activity in AU
- e.g.: 25% of each grant to be spent in AU on R&D of strategic global significance (3-10 year period) to the grantee

Drivers of Scientific & Technological Innovation