

METI's Policy on ICT Research

Hideichi Okada

Director-General

Commerce and Information Policy Bureau

Ministry of Economy, Trade and Industry (METI)

EU- Japan Cooperation Forum on ICT Research


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Industrial Science and Technology Policy

**“Economic Growth Strategy Principles”
that promote innovation for growth (revised in June 2007)**

Objectives:

**Growth model under a declining population
Vigorous circle of innovation and demand**

-  ■ **Facilitation of two-way or interactive knowledge flows connecting science - technology - business/management**
- **Interdisciplinary technology fusion/coordination**
- **Bringing research results to market**

Safe and Secure IT Society

- Rapid increase in cyber-attacks (phishing, etc.)
- Preventing attacks without hampering valid transactions and services
- Strengthening cross-border cooperation



Opening ceremony of “Check PC!” awareness campaign

Green IT

Energy-saving IT equipment

- **Semiconductor**: Microfabrication



Old Mainframe

1 / 1,000,000



※ per performance



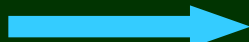
Laptop

- **Display**:



CRT

1 / 2



※ per area



LCD

- **Router**: Optical networking 1 / 100

- **Power electronics**: DC/AC converters with semiconductors 1 / 3

- **Information appliance**: Multiple core technology 1 / 5

Energy-efficient society through IT use

- Optimum control of energy consumption of factories, buildings and residences using sensors, radio transmissions, etc.

e.g., Optimum control technology for building air-conditioner



Energy consumption of air-conditioner pump of high-rise building



90% reduction at maximum

(actual performance)

EU- Japan Cooperation Forum on ICT Research
Opening speech

Thank you.

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