

RoboNexus 2005, San Jose

# IT based Ubiquitous Robotic Companion and Standardization in OMG

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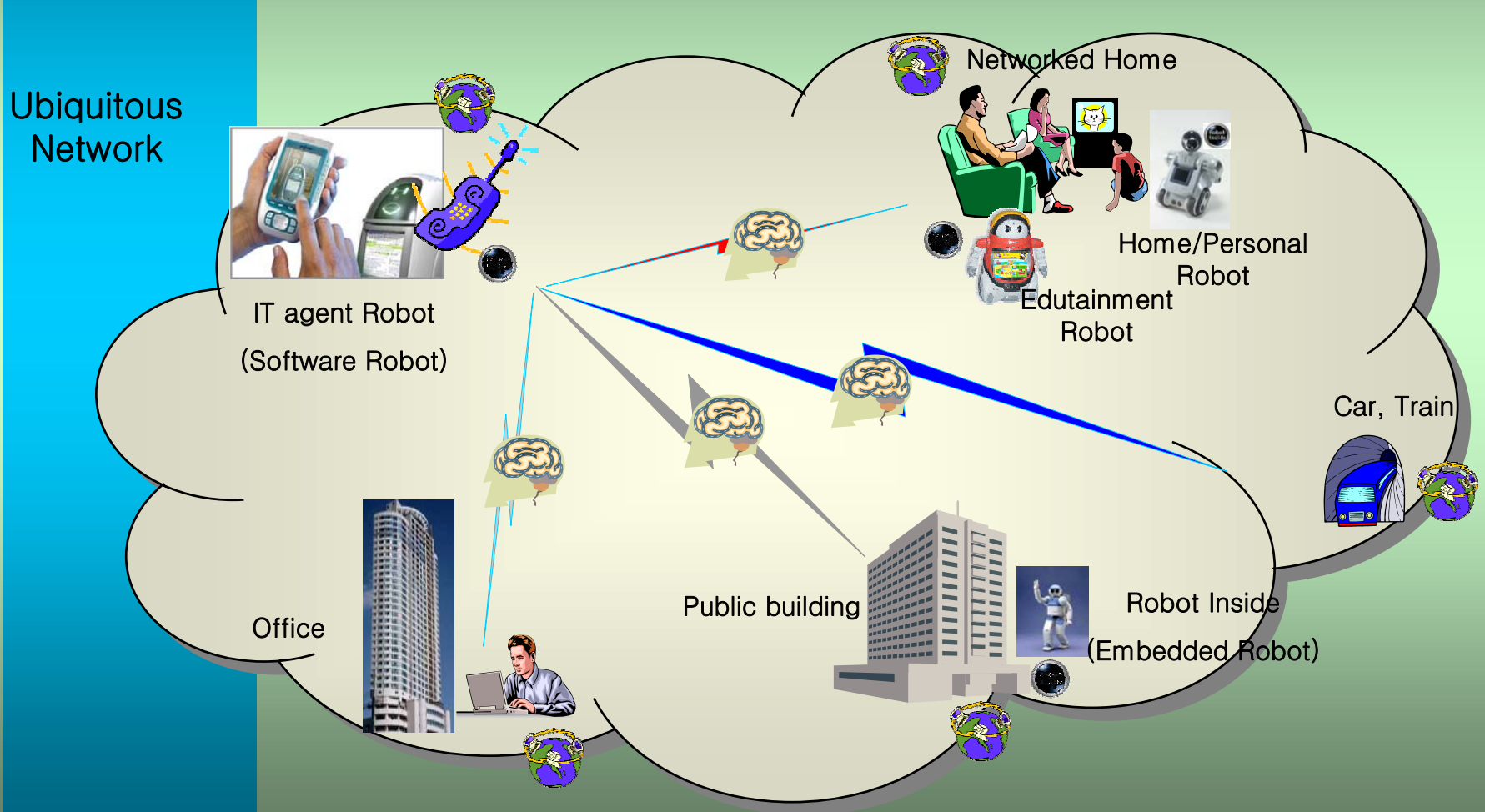
**Intelligent Robot Research Division**



# The Concept of URC (Ubiquitous Robotic Companion )

A Robot which provides various necessary services “whenever” and “wherever”

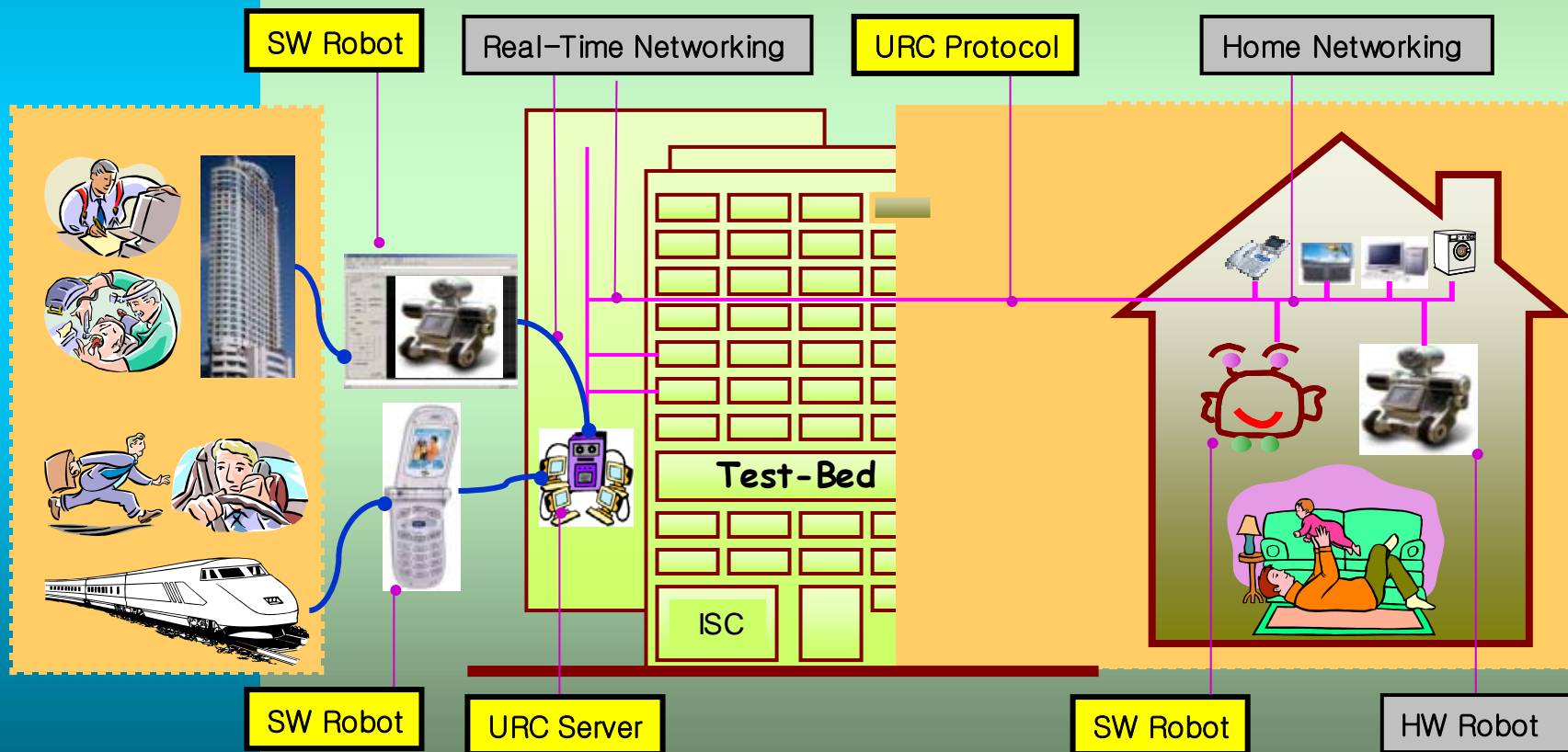
→ Robot Tech. + Information Telecommunication Tech. (Worldwide best IT infra systems)



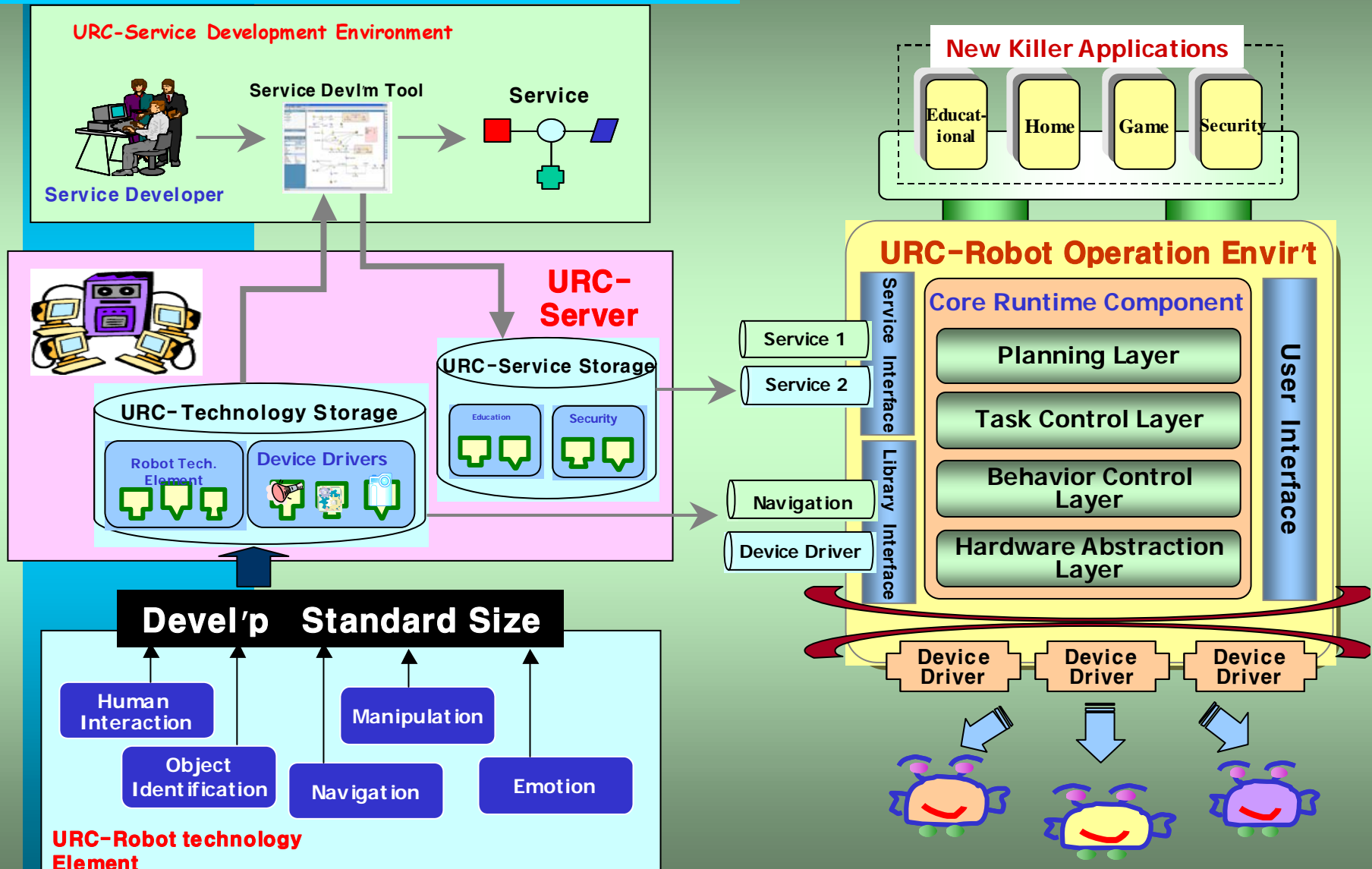
# URC Infra System Research Introduction

IT Infra System supports robots providing all necessary services at anytime and any places

- Software robot tech.: movement and transition to various devices (whenever, wherever)
- URC protocol tech.: real-time service and security protocol (through the Network)
- URC server based service tech.: high usability server and URC various services



# URC Embedded Component Technology Research Introduction



# States of ISR Standardization in OMG

- ❑ Beginning stage:
  - Planning, meetings, events
  - RFP: proposal activity for robot standardization
  - RFI: extracting items of standardization
- ❑ Active development of Technologies
  - Many robot projects are ongoing.
  - Intelligent robot technology forum activities
- ❑ Efforts for active standardization of robots
  - Intelligent Robot Standard Forum activities
  - Close relationship with member institutes(KATS, TTA, KIRA)
  - Exchanging standardization information & technology through international meeting (OMG, ISO, IEEE, ITU ... )

Thank you.

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