

VR as a Medium in the Age of the 4'th Industrial Revolution

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AI

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VR

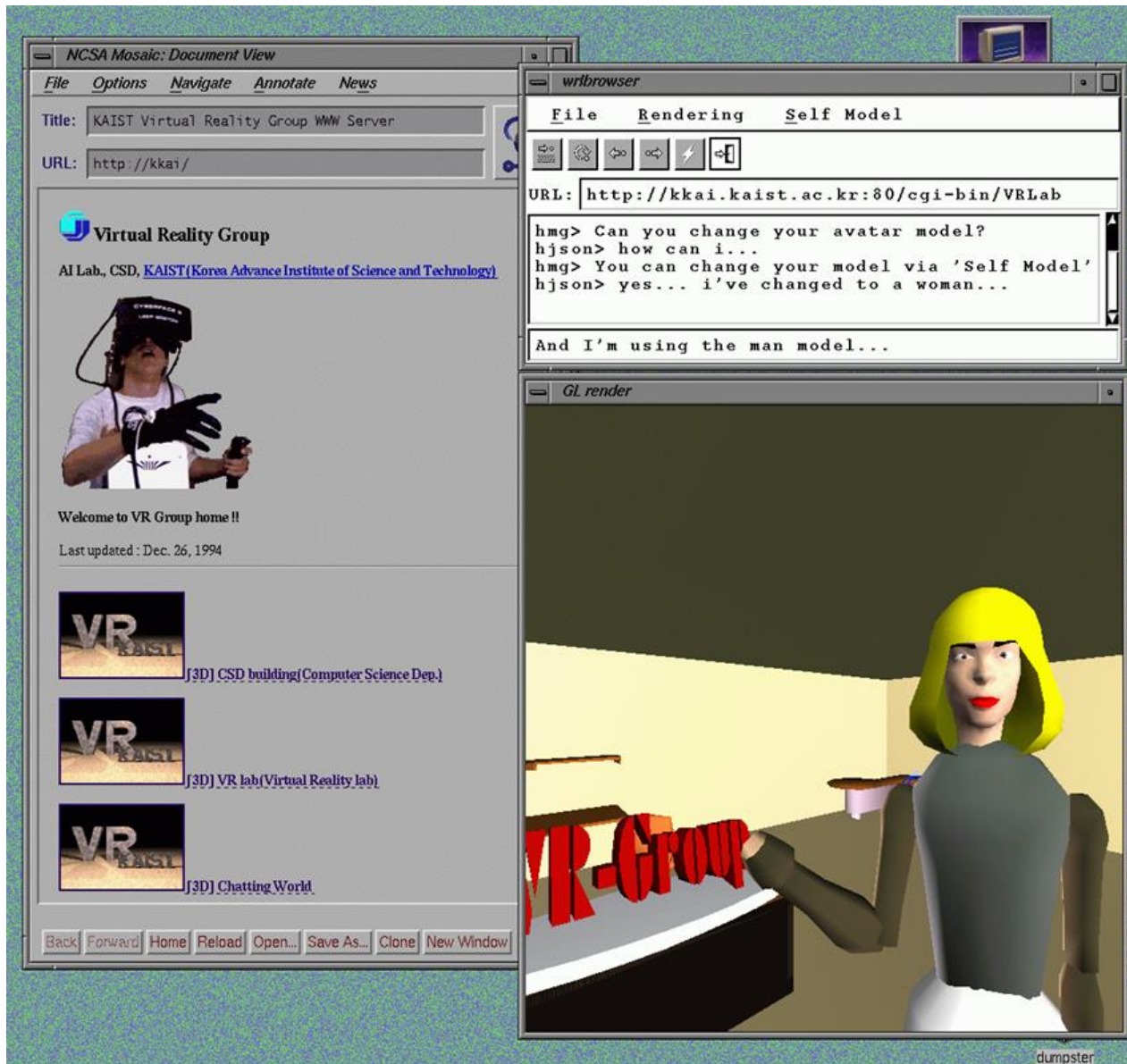
KAIST
(Korea)

AI : Computational Studies on **Intelligence**

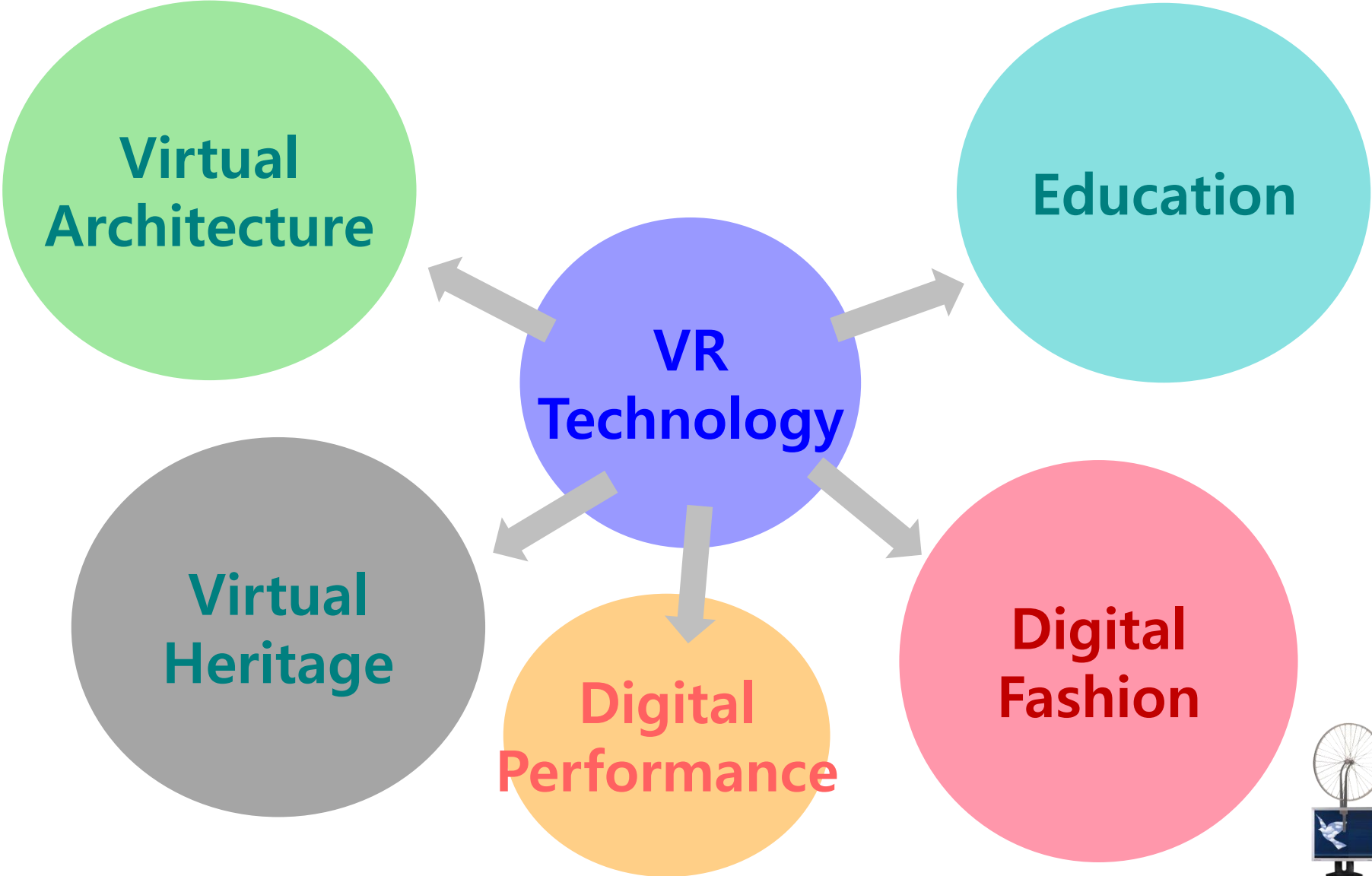
VR : Computational Studies on **Reality**



Landscape: 3D Web Browser (1994)



Research Theme



Class meets at Second Life (2007~2008)



2-Way Hybrid-Class (2013~2016)



VR as the Medium



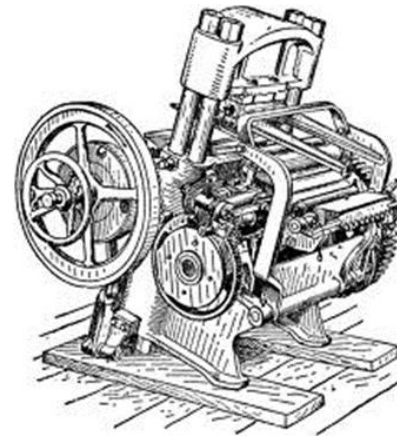
The 4'th industrial revolution, is it for real?



Klaus Schwab @ Dabos Forum, 2016



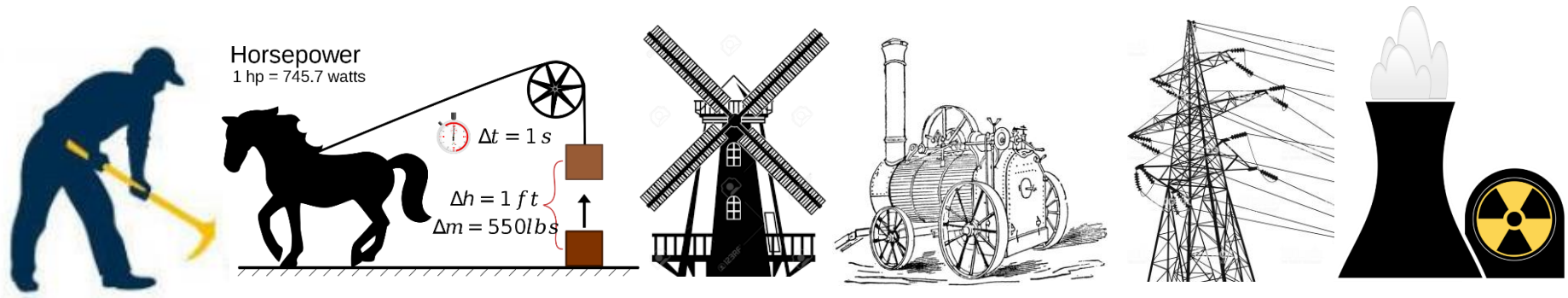
Human-Machine Interaction:



Tools → Machines → Environment ... → ... Cybernetics ... → ... Symbiosis



Energy Infrastructure



Animals ... → Fossil ... → ... Electricity ... → ... Nuclear → Re-usable → Fusion



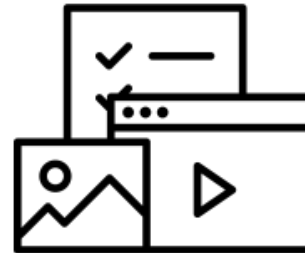
Socio-Cultural Geitgeist



Classical Realism → ... Romanticism → ... Modernism → Post-Modernism → ... ?



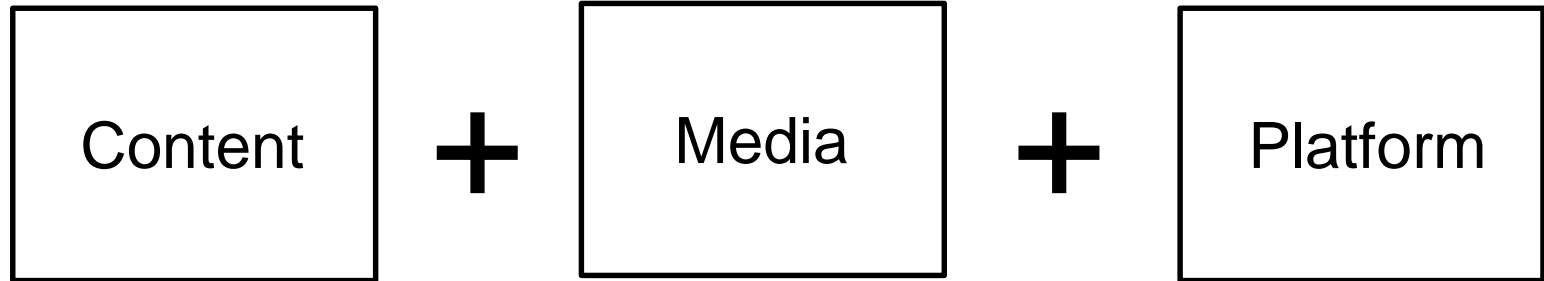
Public Media



Printed Matter → Electro-Optical → Digital → VR-AR-MR (?)



Mediated Experiences.



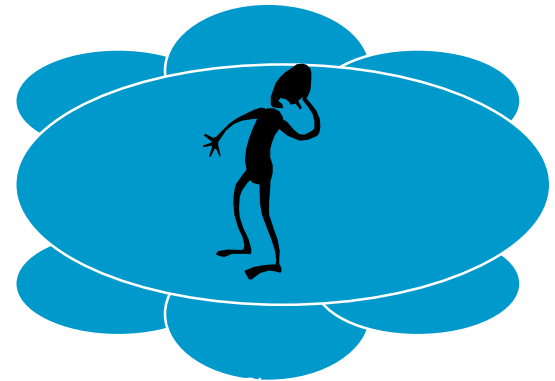
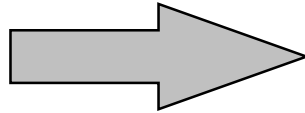
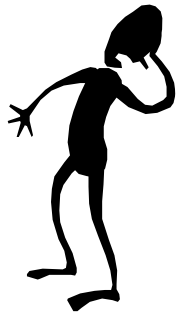
Movies

Internet

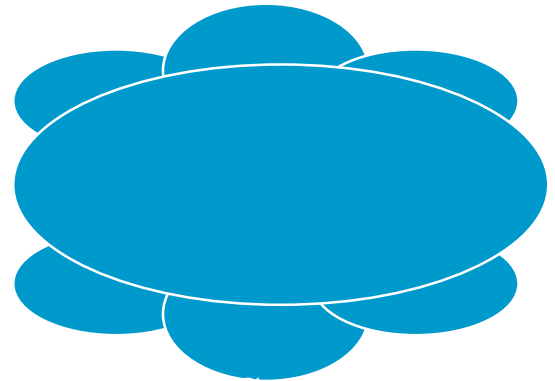
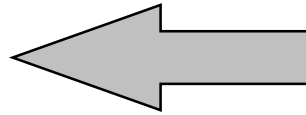
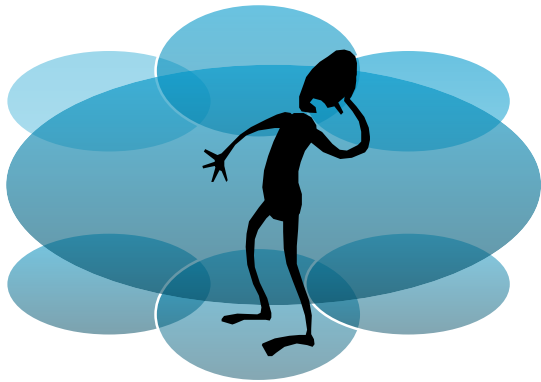
Laptop



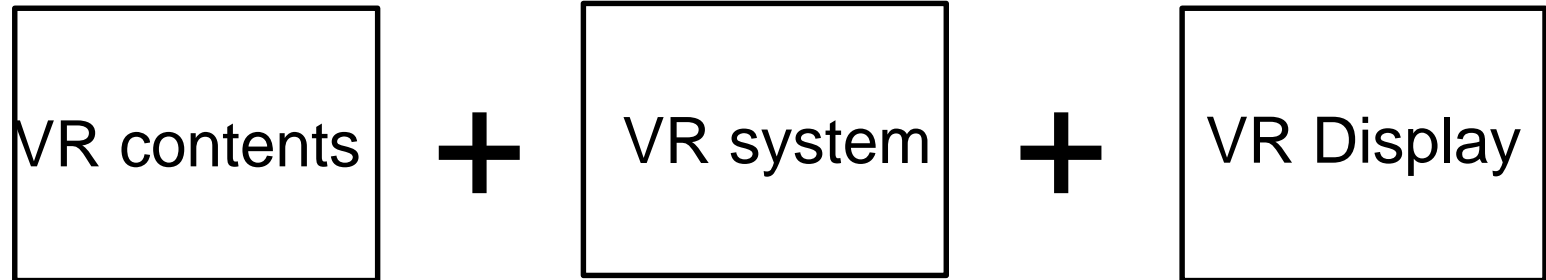
VR



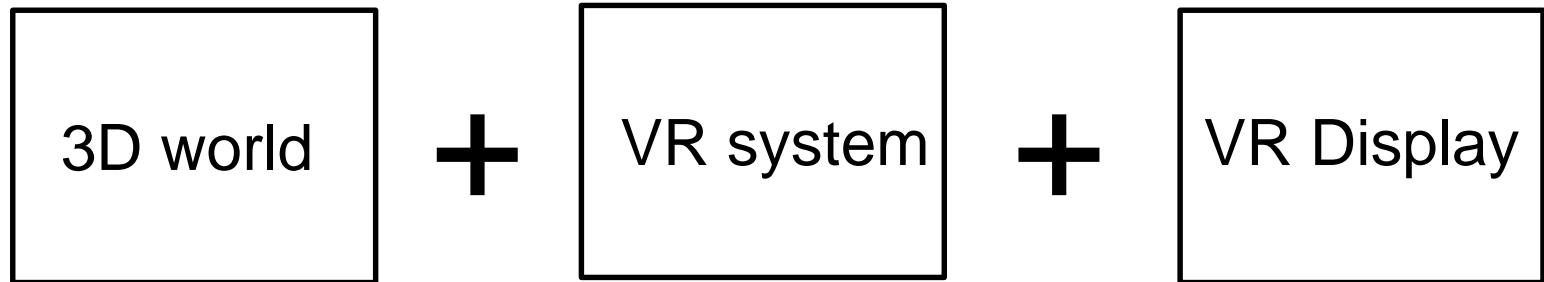
AR



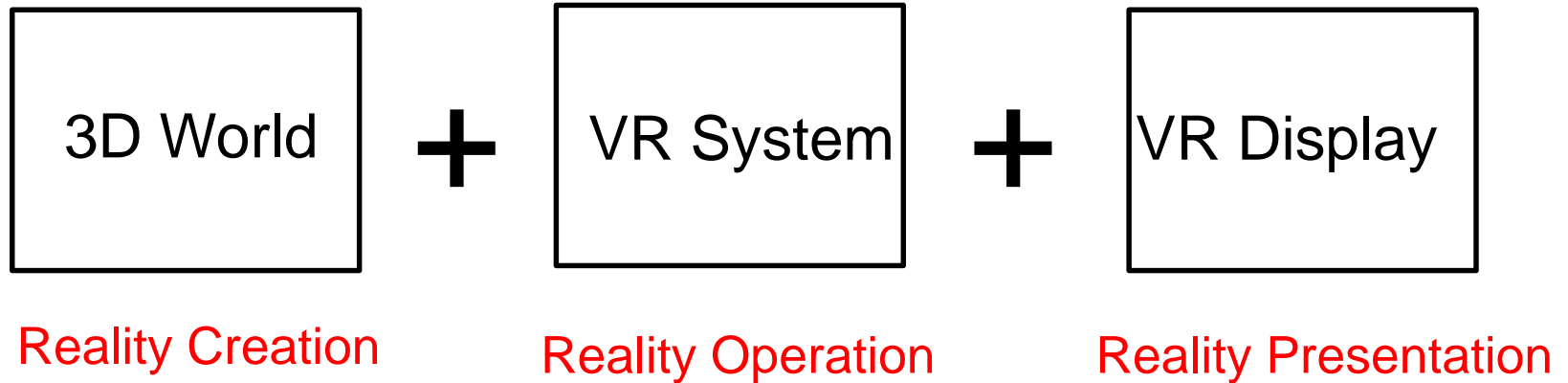
VR, Un-mediated Medium



VR, Un-mediated Medium



VR, Un-mediated Medium

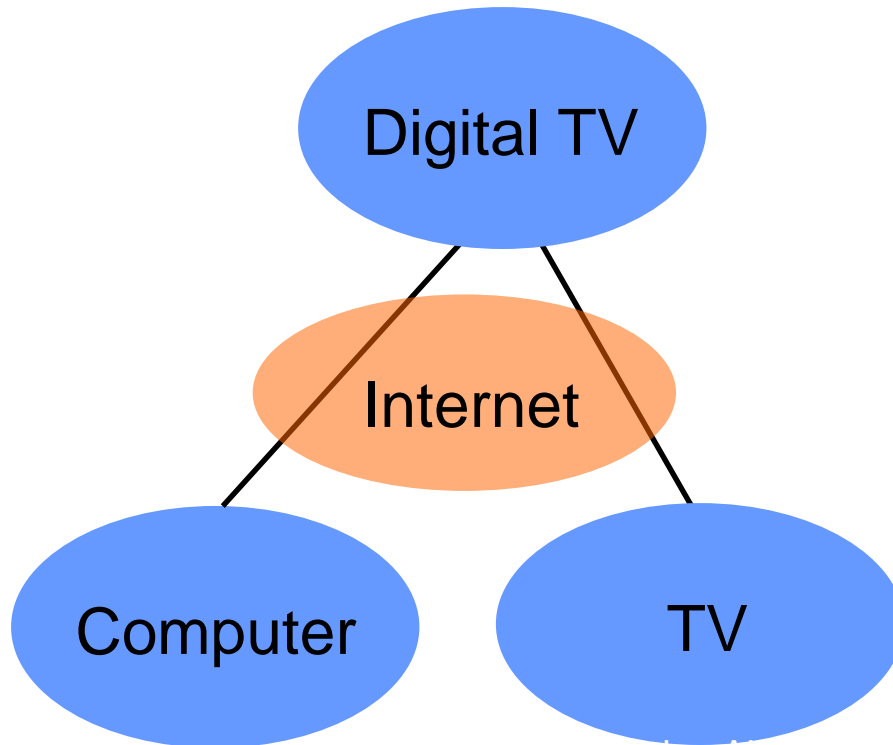


Evolution Television

- Tele-Vision → Tele-Presence
- Box → Window → Wall → Portal
- Single-Func. → Multi-Func. → Universal Func.
- Uni-Directional → Bi-Directional → Multi-directional
- Fovea → Peripheral → Environmental

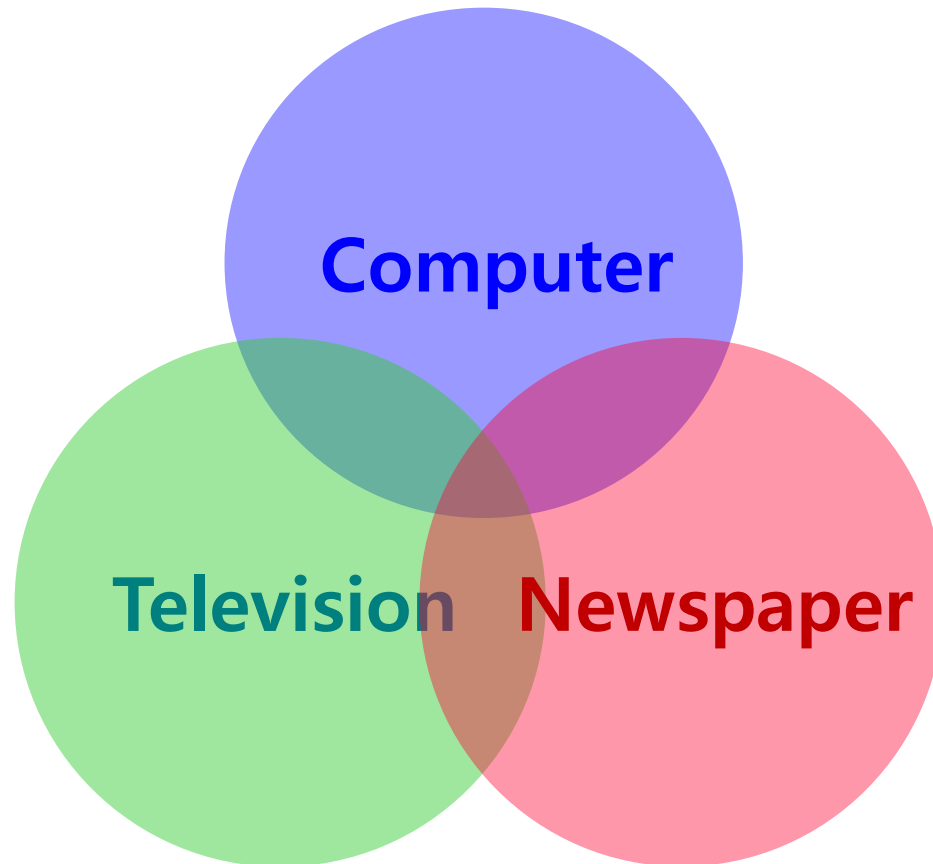


Home-based Hybrid Media

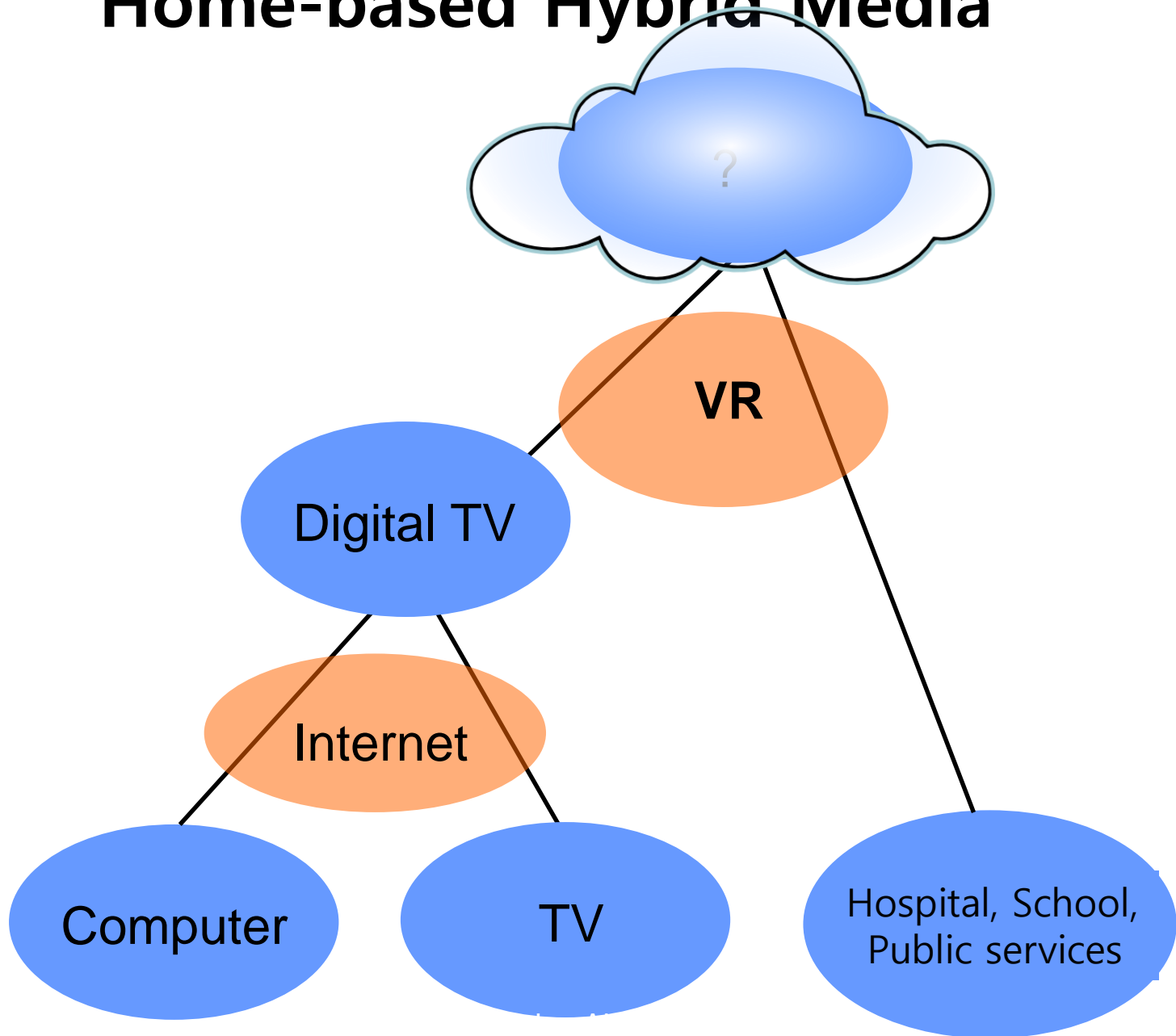


“Media of the Future”

Nicholas Negroponte (~1985)



Home-based Hybrid Media



A large, fluffy white cloud is centered in the frame against a clear, vibrant blue sky. The cloud has a soft, billowy texture with some darker shadows on its underside. The text "Information Cloud" is superimposed on the center of the cloud in a bold, black, sans-serif font.

Information Cloud

A large, fluffy white cloud is centered in the frame against a clear, vibrant blue sky. The cloud has a soft, billowy texture with some darker shading on its underside. The text "Experience Cloud" is superimposed on the cloud in a bold, black, sans-serif font.

Experience Cloud







“The medium is the message.”

- Marshall McLuhan -

“The medium is the life.”

