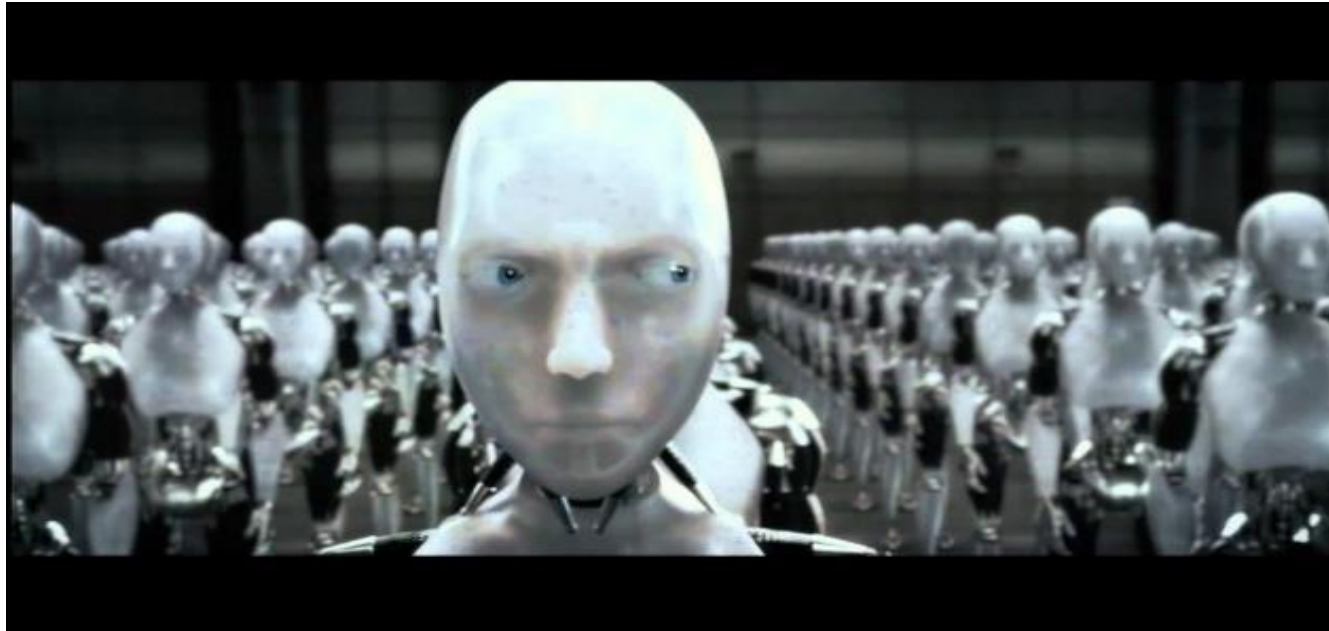


Microsoft Azure and Cloud Based Robotics

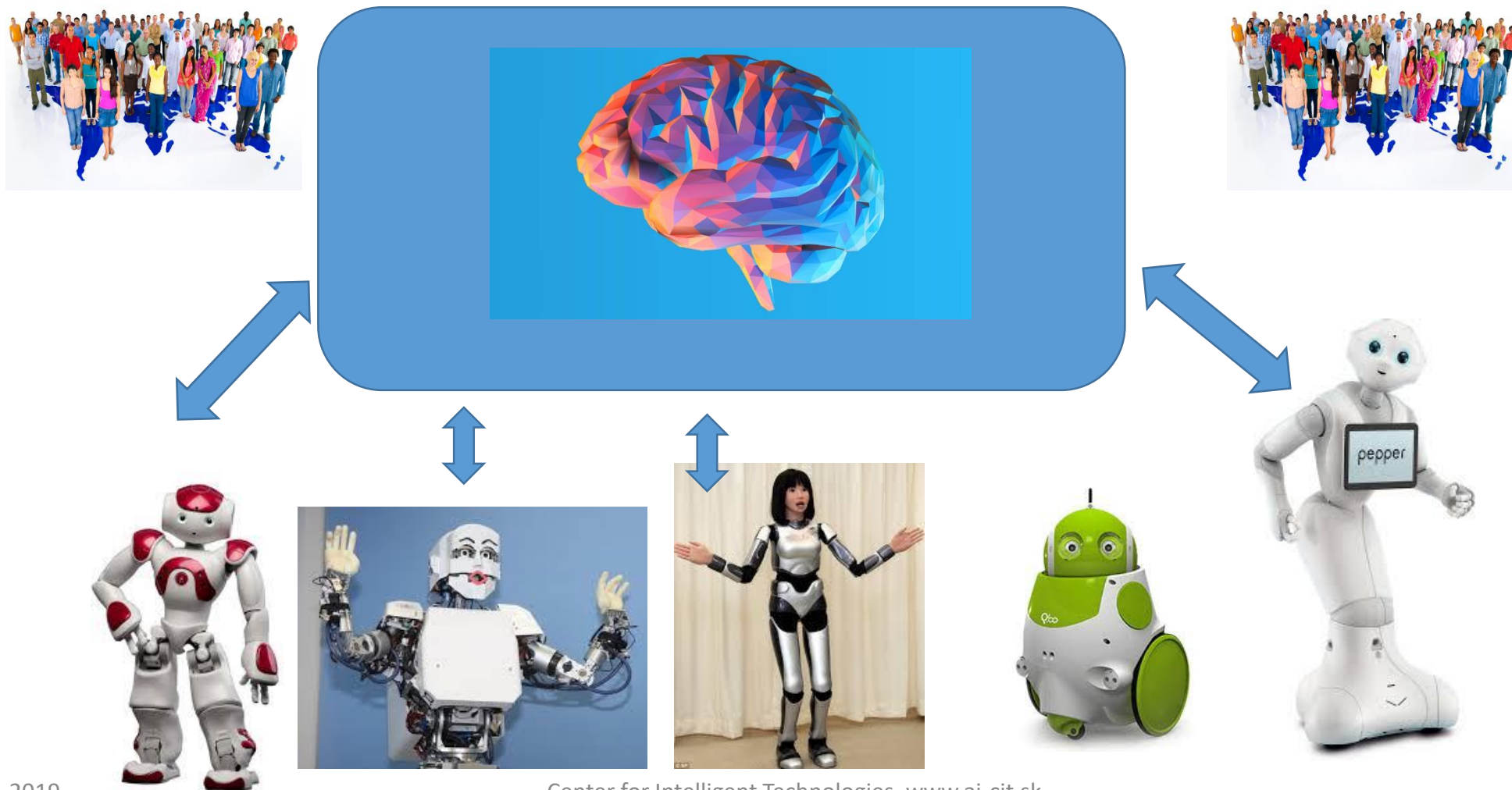


Peter Sinčák

www.ai-cit.sk, www.petersincak.com, peter.sincak@tuke.sk

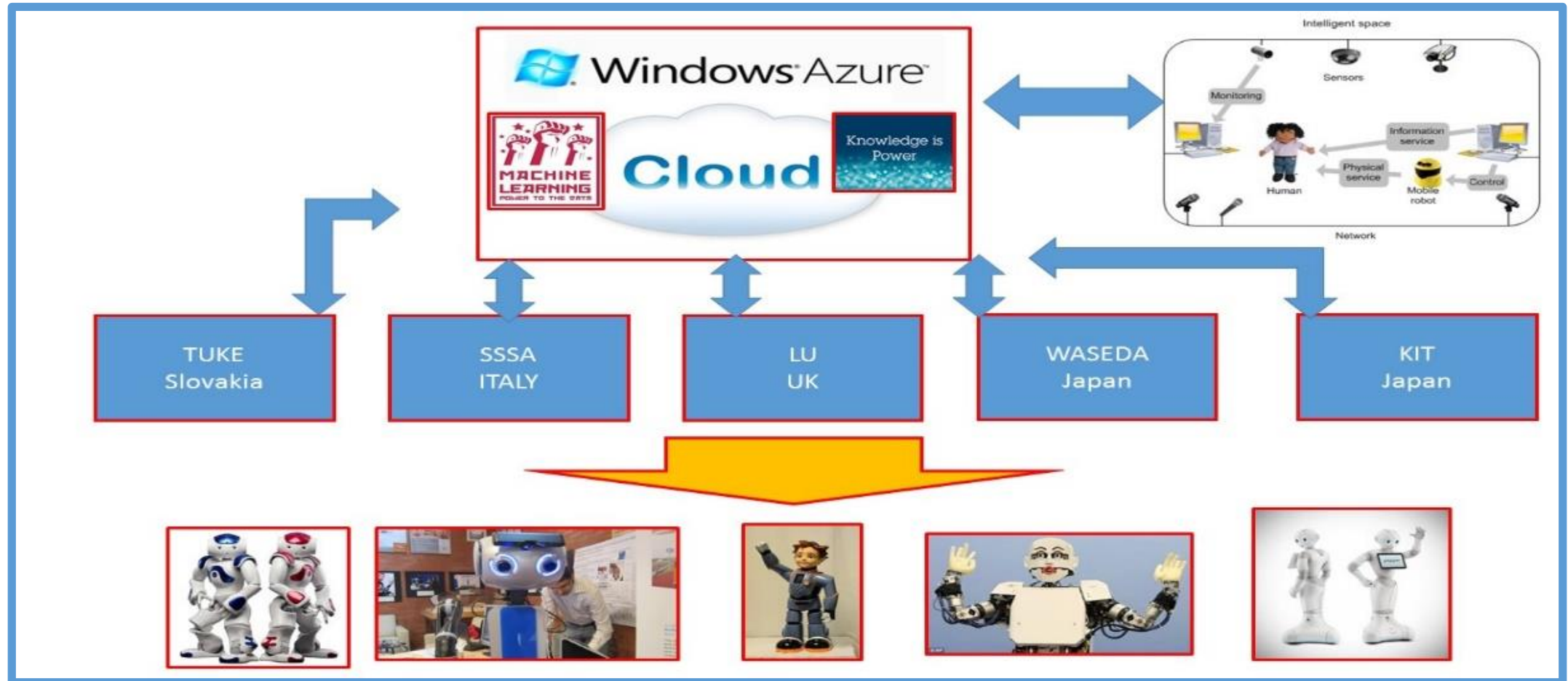
Center for Intelligent Technologies, TU Košice, Slovakia, EU

Can we develop collective Intelligence for Robots ??



Azure Bridging International Collaboration

(Microsoft Azure Machine Learning Grant for AAL – 2016)



Definition of Identity of the ROBOT ????



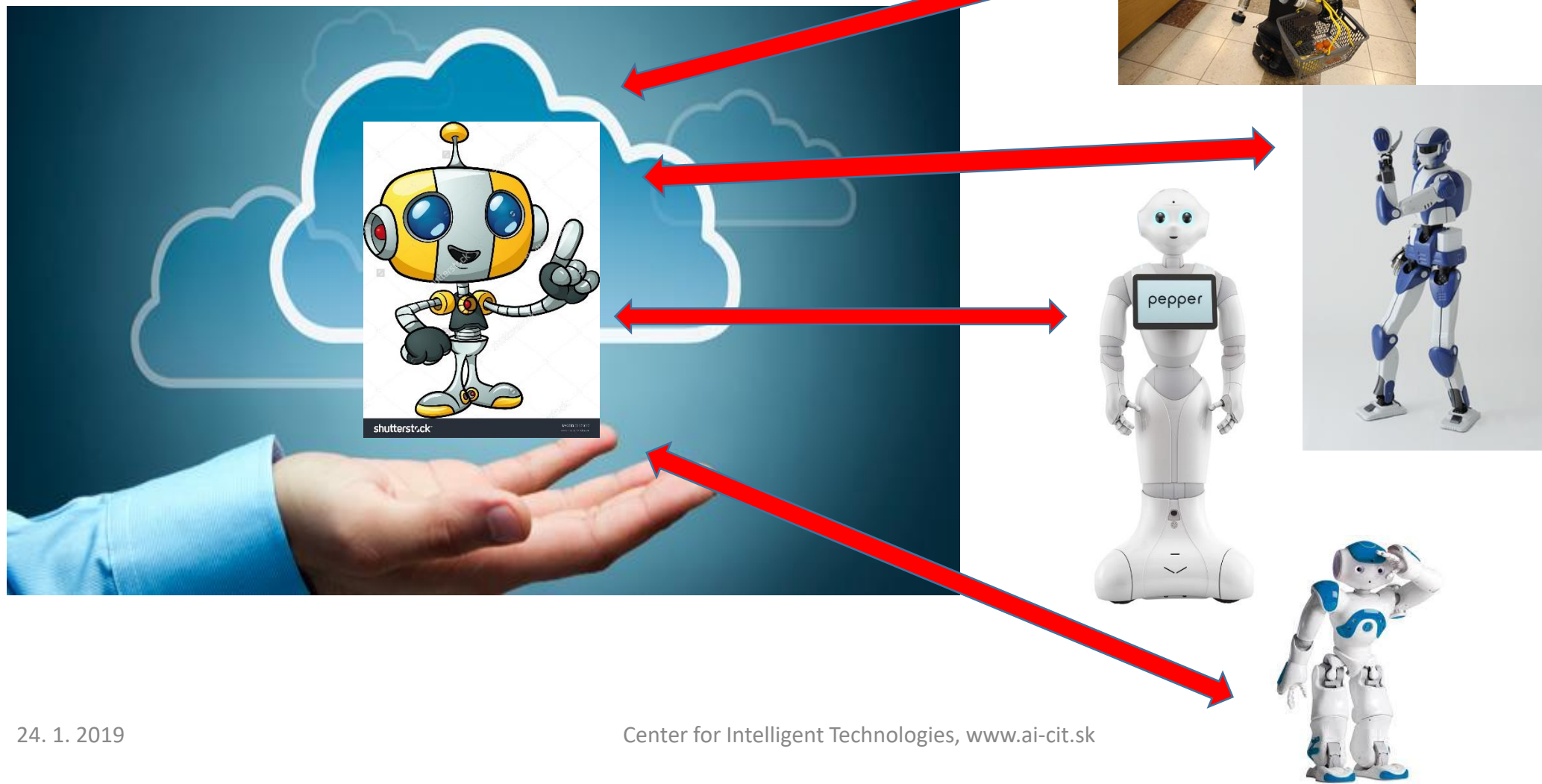
Classical Robot Concept

This is a Robot !!!!



Virtual Robot Concept ???

This is a Robot



Ubiquitous Robot Concept URC???

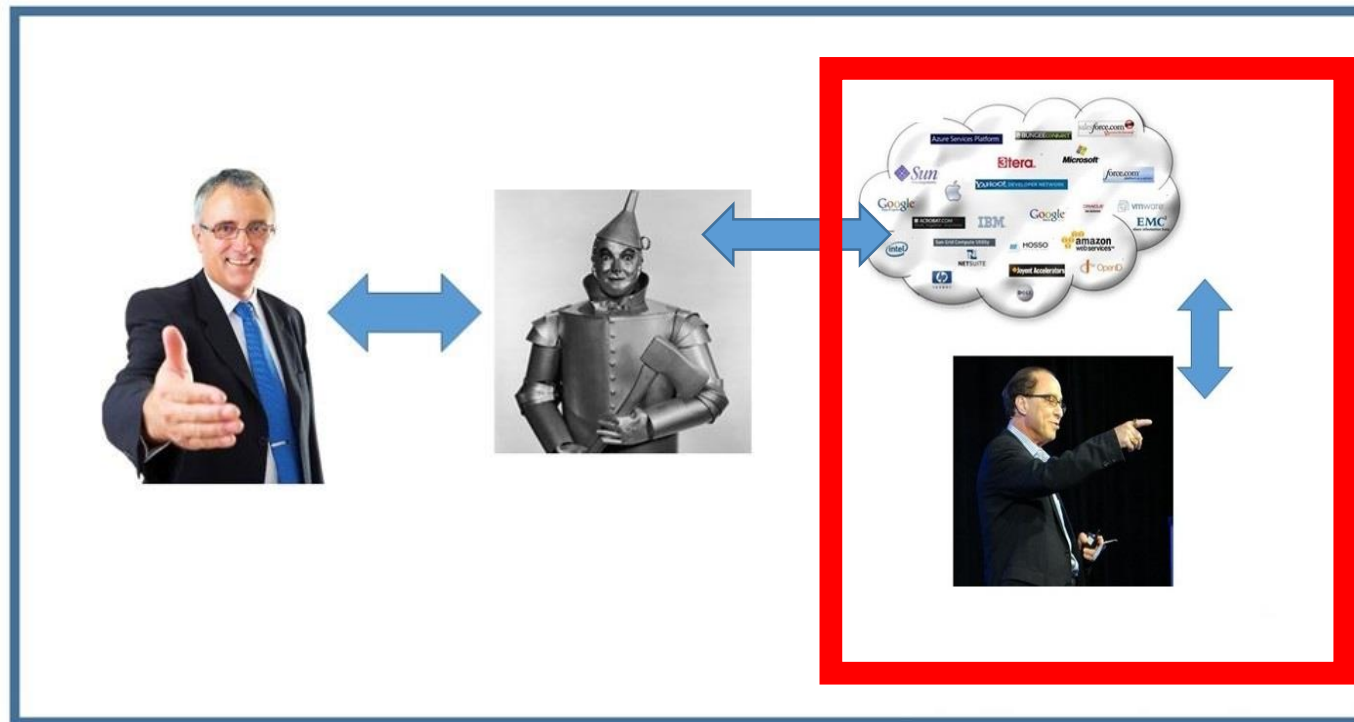
ubiquitous "turning up everywhere," 1837, from ubiquity + -ous. The earlier word was ubiquitary (1580s), from Mod.L. ubiquitarius, from ubique.

Synonym - **Omni present**
Virtual or Real Robot

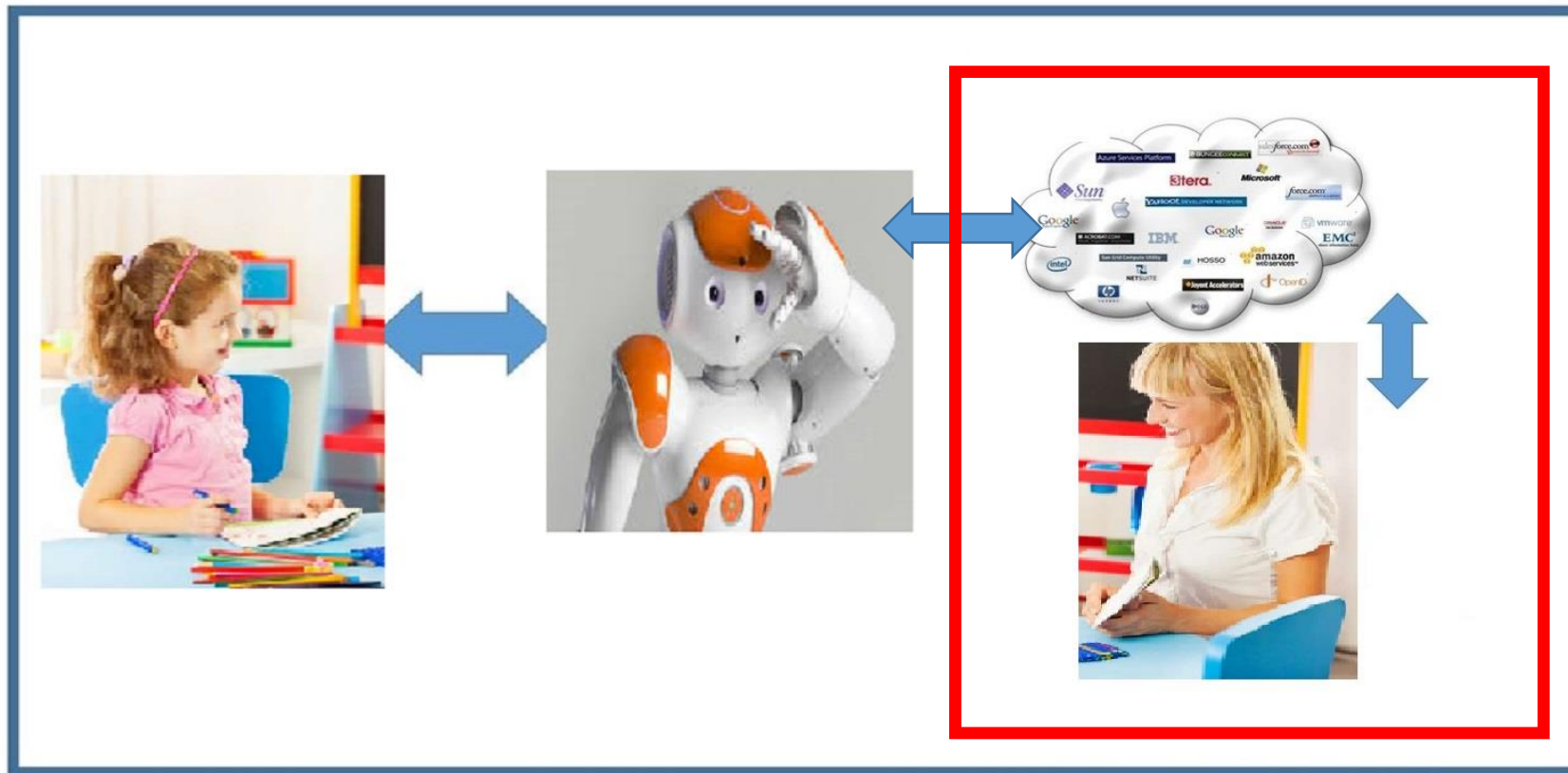


Feature to network of Internet of Things (any sensor, any information from Internet , Any of Human)

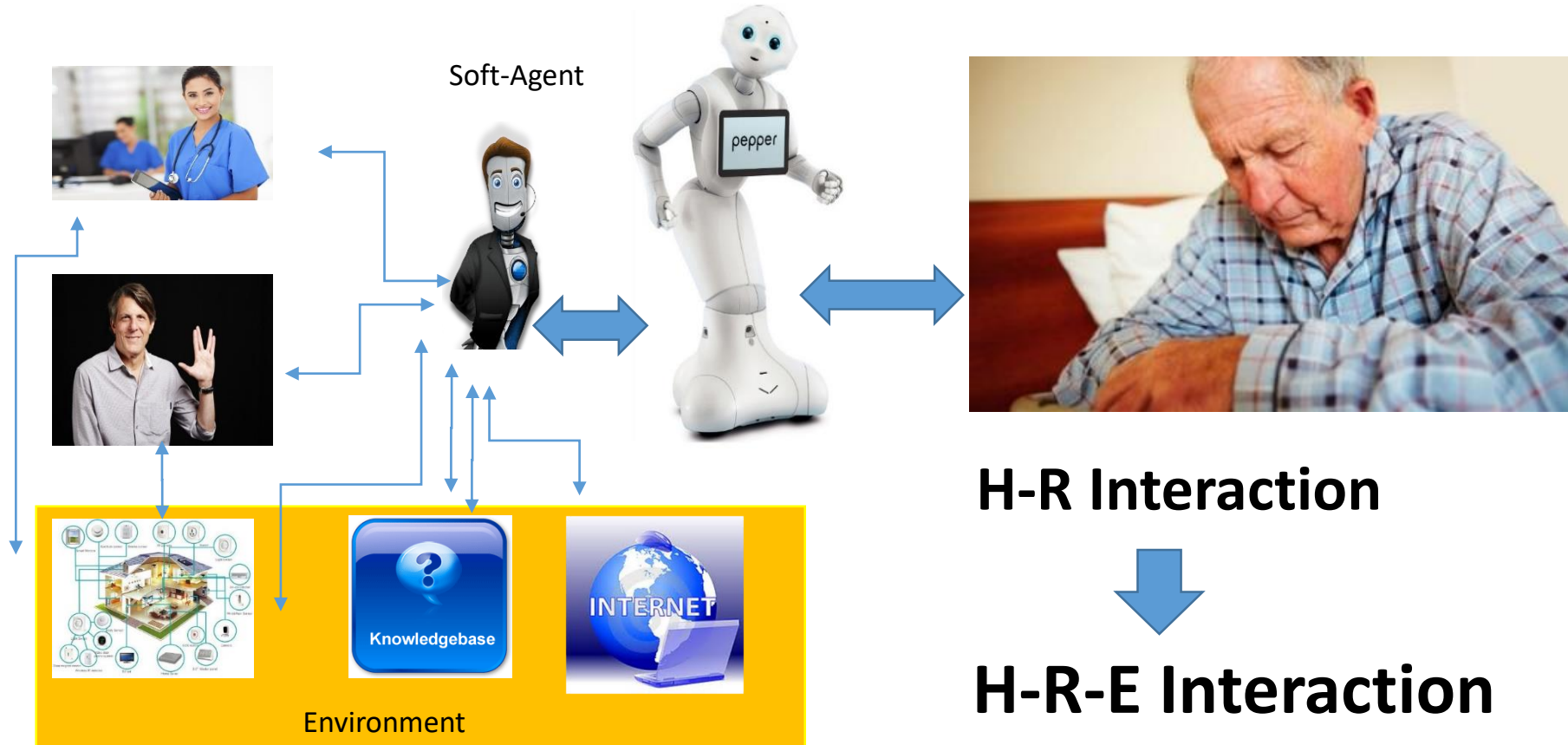
Wizard of Oz Teleoperation in Human-Robot Interaction



Application of WoOz ... Social Robotics



Human-Robot Interaction – new paradigm - What is Wizard of Oz ?



Video

<https://www.youtube.com/watch?v=n5uJlZmN6Vw&t=184s>

Cloud Based Robotics
has a great potential towards
Robot as a service
for different type of
physical Robots “coordinated” by Virtual Robots.

Conclusion

We focus on Cloud Based Robotics
and building

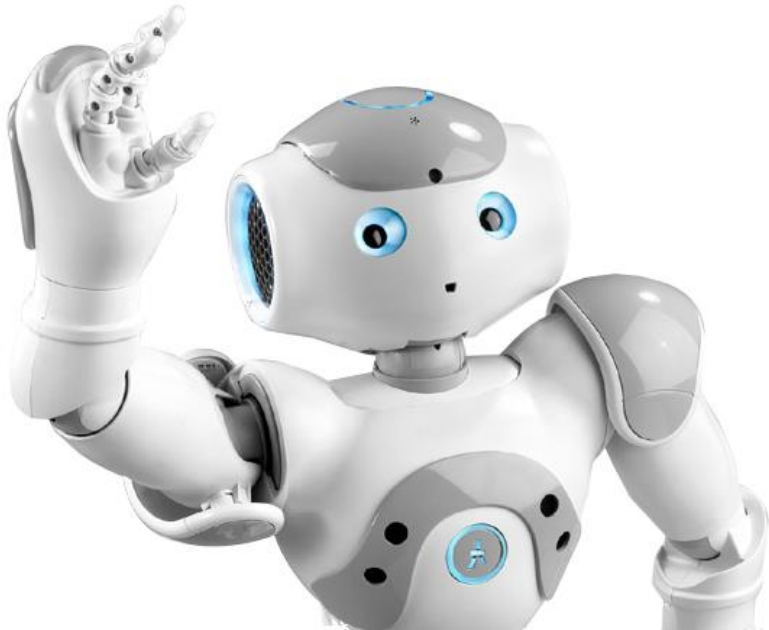
AI for Social Robots using Cloud Infrastructure for
HUMANS

Acknowledgement

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under number 015-0731

<https://apvvproject.webnode.com/>

Thank you for your time ...



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to Exchange research experience , networking
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