

IEEE

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- And I joined it because it gave me a \$80 discount to the conference.

Topics

- Tracking and sensing
- Input devices for VR/AR/MR
- Advanced display technology
- Immersive projection technology
- Haptics, audio, and other non-visual interfaces
- Modeling and simulation
- Computer graphics techniques for VR/AR/MR
- Virtual humans and avatars
- Multi-user and distributed VR/AR/MR
- VR systems and toolkits

- 3D interaction for VR/AR/MR
- 3D selection and 3D manipulation
- Locomotion and navigation in virtual environments
- User studies and evaluation
- Perception, presence, virtual embodiment, and cognition
- Teleoperation and telepresence
- Applications of VR/AR/MR
- Ethical issues in VR/AR/MR
- Interactive storytelling in 360° videos

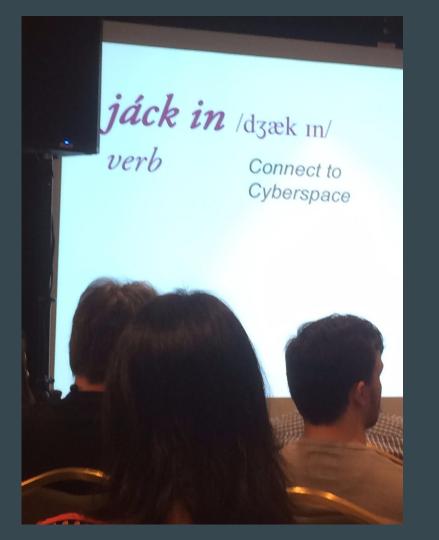
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Input devices for VR/AR/MR

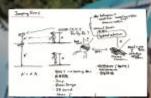
- 3DUI
- Internet of Abilities: Human Augmentation, and Beyond (Keynote)
- We should create tech not to replace humans, but to enhance us and our quality of life
- Windows
- Smile





Jackin は、人間を、人間と異なる能力を持つ人工物や、他の人間と接続することで、総合的に人間の能力や存在を拡張するための枠組みです。また、体外離脱感覚を提供することを Jackin、人間と人間とを接続する Human-Human Human Jackin、Jackin、Jackin、と Jackin、と Jackin、と Jackin、 Jackin、 Spaceの研究を進めています。

Jackin is the vision for augmenting human capability and human existence, it enables immersive connections between humans and other artificial entires, or between humans and other humans. Jackitu enables the out-of-body experience. We are investigating Human-Machine Jackin, Human-Human Jackin, and an environment that enables seamless migration between 1st and 3rd person perspectives (Jackin Space).







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Human-Machine Jackln





JackOut (out-of-body)





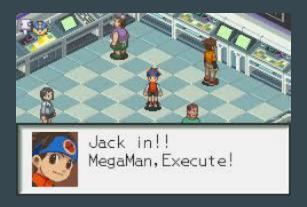
Human-Human Jackin





Jackin Space

Jackinの開形



• Windows Link

Perception, presence, virtual embodiment, and cognition

- Paint with Me: Stimulating Creativity and Empathy While Painting with a Painter in Virtual Reality
- Link



VR 2017: MagicToon - A 2D-to-3D Creative Cartoon Modeling System with Mobile AR

Video

Interactive storytelling in 360° videos

- Importance of streaming
- How to tell stories in VR vs Traditional Movies
- Bank Robbery Example

Conference Proceedings

- My hope is that future students will get use out of the HTC Vive, so here's the conference proceedings if you are interested for junior/senior IS (or are just curious).
- ieeevr.org/2017/proceedings
- Username: vr2017
- Password: WelcomeToLA

Thanks!