Innovations in Mobility
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Alameda CTC Mobility Workshop OCT 17, 2014

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• Innovations to **improve** mobility access and experiences for the aging population

• Mobility alternatives – **aging in place** brings services to older adults

• About Aging2.0 and the Stanford Design Challenge
STYLISH CANES

Sabi
EXOSKELETONS AND SUPPORT SYSTEMS
WEARABLE AIRBAGS PROTECT SENIORS’ HIPS
SOCIAL JOURNEYS – LYFT LINE, UBER POOL

- Pick up Paul
- Pick up Laura
- Drop off Laura
- Drop off Paul

Total trip time: 20 min
Total trip distance: 6 miles
SUPER-POWERED WHEELCHAIRS

Firefly™ - Go Twice as Fast!

The Firefly is an electric handcycle that snaps on to your wheelchair. Go twice as fast and far as a power wheelchair!
REINVENTING WHEELCHAIR DESIGN
PERSONAL MOBILITY POD
MULTI-MODAL TRANSPORT

Kenguru
DRIVERLESS CARS

GOOGLE SELF-DRIVING CAR
A 3D PRINTED CAR
AGENDA

• Innovations to **improve** mobility access and experiences for the aging population

• Innovations to **replace** the need for mobility for aging populations

• About Aging2.0 and the Stanford Design Challenge
SMARTER REHAB - IN THE HOME
TELEHEALTH WITH AVATARS WHO CAN TELL YOUR MOOD AND RELAY INFO TO DOCTORS
PROACTIVE CHECKUPS WITH BEAUTIFUL WEARABLES
KEEPING PEOPLE SAFE AND INDEPENDENT – SMARTER AGING IN PLACE

FITBIT

CANARY

HD Camera
Microphone
Night Vision
Motion Detection
Temperature
Air Quality
Humidity

DROP CAM

LIVELY
USING SKYPE TO KEEP PEOPLE ENGAGED AND END ISOLATION – TEACHING BRAZILIAN KIDS ENGLISH
VIRTUAL MOBILITY

OCCULUS RIFT
FEELS LIKE FLYING!
AGENDA

• Innovations to **improve** mobility access and experiences for the aging population

• Innovations to **replace** the need for mobility for aging populations

• About Aging2.0 and the Stanford Design Challenge
Aging2.0 is a global innovation platform with a **mission to connect, educate and support** innovators in aging and long-term care.
STANFORD STUDENT DESIGN CHALLENGE ON MOBILITY

STANFORD CENTER ON LONGEVITY

DESIGN CHALLENGE

ENABLING PERSONAL MOBILITY ACROSS THE LIFE SPAN

CHALLENGE COLLABORATOR: AGING 2.0

$10,000 first prize

THANKS!

Newsletter / events / startups / Stanford Challenge

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