
Tucson, Arizona

— Smart Cities & The Transhumanist Game —



Everyone has their gifts.
I arrange blooms in the vase.



MadMadMamma 🌸 @ALmamma · 11m

Replying to @Philly852

That's the one thing they can't code: a soul. ❤️

Open Source 3-D Printable Brain Machine Interface



The War Machine Wants To Feed Your Child's Spirit To Robots



de Sa lab
UNIVERSITY OF CALIFORNIA AT SAN DIEGO

528

neuroBB

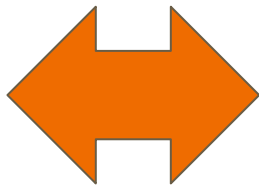


Webs of Sacred Relationship?

Natural Life



Dzil ncha si an
San Carlos Apache



Synthetic Life



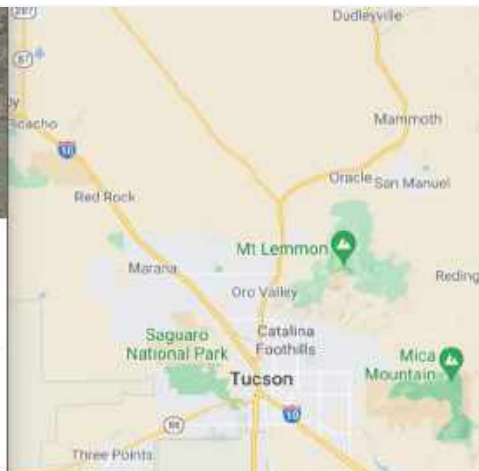
Michael Crow, ASU

Or CIA-Backed Mixed Reality Video Game?



Skeleton Canyon

5.0 ★★★★★ 6 reviews
Ravine



Native History: Geronimo Is Last Native Warrior to Surrender

On September 4, 1886, the great Apache warrior Geronimo surrendered in Skeleton Canyon, Arizona, after fighting for his homeland for almost 30 years.

ALYSA LANDRY · UPDATED: SEP 13, 2018 · ORIGINAL: SEP 4, 2013



This Date in Native History: On September 4, 1886, the great Apache warrior Geronimo surrendered in Skeleton Canyon, Arizona, after fighting for his homeland for almost 30 years. He was the last American Indian warrior to formally surrender to the United States.



Geronimo, also known as "Black Hawk," resisted the U.S. government policy to assimilate his people on reservations in the mid-1880s by leading a series of wars against Mexican and American settlements in the Southwest. This photograph was taken at the Three-Mile Canyon and International Exposition in 1898 in Omaha, Nebraska.

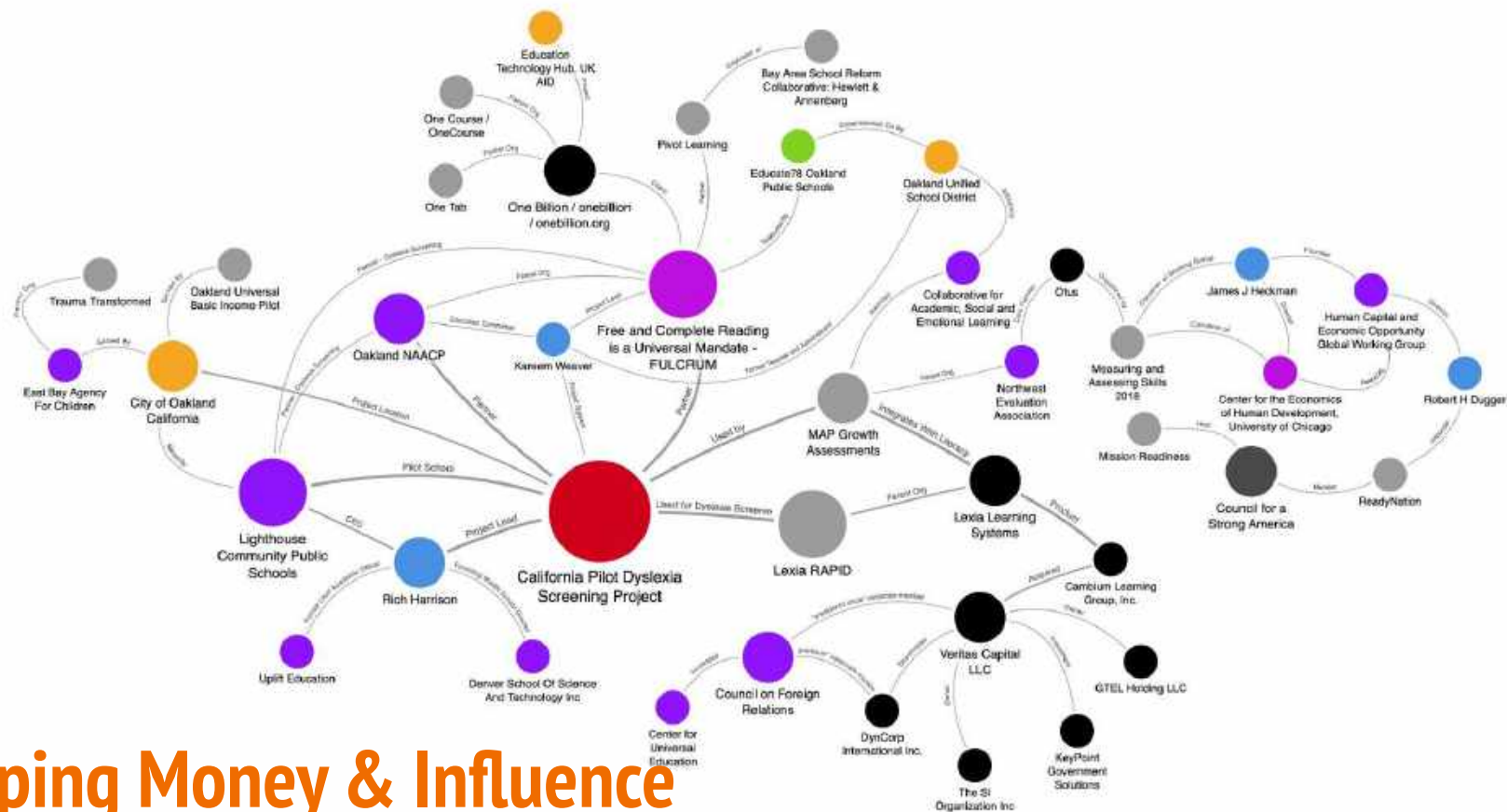
How did I get here?

**PSSA TESTING TIME IS HERE
REFUSE THE TEST!!**

[Boston Consulting Group] called for closing 88 District-managed schools, which would have displaced a conservative estimate of 22,000-31,000 students districtwide – more than triple the number of students displaced by the actual 2013 school closings. A five-year plan sought the removal and reassignment of up to 45,000 students, more than one-third of the District. ... More than anything, the BCG documents show deep flaws in the analysis made by multimillion-dollar paid consultants. Years later, reality also exposes how far off base BCG's projected outcomes would be.

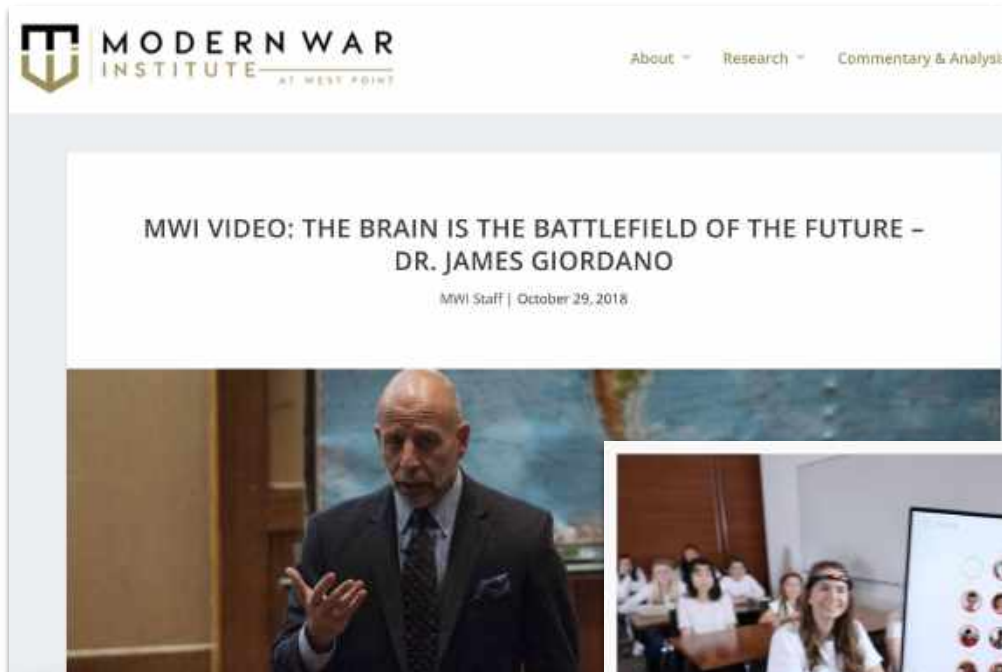
School district spokesman Fernando Gallard declined to comment on the legal proceedings.





Mapping Money & Influence

Escaping The Controlled Narrative



Digital Media & Brain Engineering



Save Maine Schools

Helping You Navigate Next-Gen Ed Reform from the Great State of Maine

Whose Future Is It?



Emily Talmage

November 22, 2015

Last winter, as I began piecing together the frighteningly well-choreographed plans for [next-gen ed reform](#), a family member asked me: "Do you mean they actually get together and *plan* this stuff?"

Rabbit Hole



GLOBAL
EDUCATION
FUTURES

Global Education Futures Agenda

Pavel Luksha, Director, GEF
RF Group 2010-2015





Altered States of Consciousness Trainings. Training programs appear that help deal with various altered states of consciousness to boost efficiency of your work



Neuroweb of Learning. Nonverbal message exchange through neural interfaces becomes a learning tool.



The Great Psychic Divide. Divide between users and non-users of cognitive products deepens



J.A.R.V.I.S. Inside
Nanobiotechnology transforms gadgets into bionic body parts



"Forest of Minds"
Full-fledged collective intelligence appears

Birth of Neuro-Genetic Economy

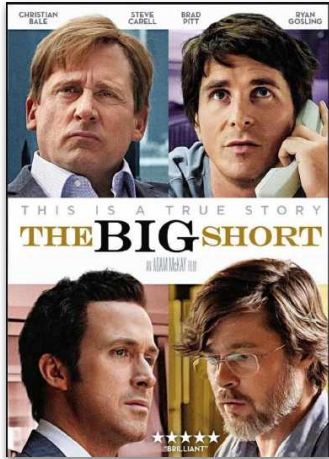


"Kids a la Carte". Elite gene patterns for kids are available for purchase



"Peopleonaire". Fortunes are made up of people. The fortune size depends on the quality of the human capital. New endowments

The next big short is human capital.



Bank of America Merrill Lynch Introduces Innovative Pay-for-Success Program in Partnership With New York State and Social Finance Inc.

New Social Impact Partnership Gives Qualified Private and Institutional Investors the Opportunity to Fund Social Change

December 30, 2013 01:25 PM Eastern Standard Time

Money Stuff

You Can Securitize People Now

Also Aladdin, startup options, easy money and Ponzis.

By Matt Levine

February 25, 2020, 12:20 PM EST

Short Leverage is a
Silicon Valley startup
company. It was an outlier
of the Silicon Valley
ecosystem. It was a
company that was
founded by a former
Google engineer and a
former hedge fund
manager. It was a
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Securitizing people

"What if people could sell stock in themselves? Instead of borrowing money and pay back a fixed amount, why not take an advance in exchange for a fixed percentage of your future income?" I have always thought of this as the great late-night dorm-room question of financial capitalism, and in fact I wrote a very late-night dorm-room sort of paper about it in law school. It is increasingly, though, a thing. [C] Income-based repayment is a standard option for federal student loans now. Income-sharing agreements are common enough now that they are regularly abbreviated as "ISAs," and they have become a popular way to finance coding school tuition. That makes sense. So much of Silicon Valley has a flavor of dorm-room capitalism anyway, so teaching people to code in exchange for equity in the people just feels natural.



Personal Data - A New Asset Class

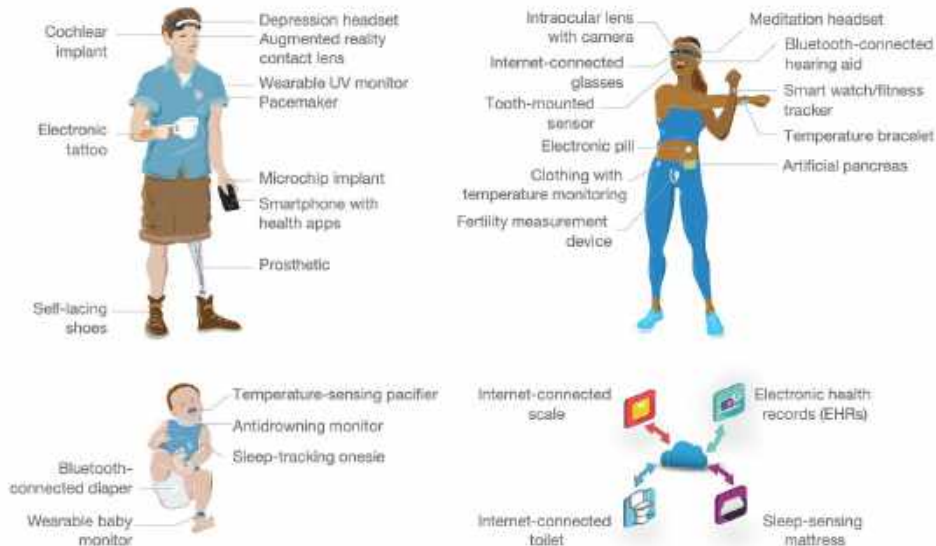
Personal Data: The Emergence of a New Asset Class



"A Frictionless Future Of Identity Management"
For The Australia Post, Boston Consulting Group 2016

Internet of Bodies

FIGURE 1
IoB Examples



European Commission | Strategy | Digital Single Market | Blog

Digital Single Market

BLOG POST BY ROBERTO VIOLA | 7 February 2019

The internet of humans



DIRECTOR GENERAL OF DIGITAL AGENDAS AT THE EUROPEAN COMMISSION

Roberto Viola


The Next Generation Internet initiative is designed to create an internet of humans, that responds to our fundamental needs, including trust, security and inclusion.



LENA captures early talk with a small, child-safe recording device worn in comfortable clothing by a child for a full day. LENA then turns the recordings into data, delivered to families and educators in clear feedback reports, coupled with techniques and coaching to increase daily talk.

Human Capital Finance

Heckman Equation - Digital Cognition



Heckman
The economics of human potential.

[Home](#) [Heckman Equation](#) [About Professor Heckman](#) [Resources](#) [Contact Us](#)

NEW Perry Preschool Research

High-quality investments result in stronger families and multi-generation outcomes, emerging as an effective way to break the cycle of poverty.

[Learn More](#)

13% ROI for Birth-to-Five Programs

Research shows high-quality, birth-to-five early childhood education provides a higher rate of return than preschool alone.

[Learn More](#)

Fadeout is a Myth

Short-term measurements of cognitive skills don't tell the real story of long-term life and career success. Skills developed through quality early childhood education last for a lifetime.

[Learn More](#)

WePlaySmart®

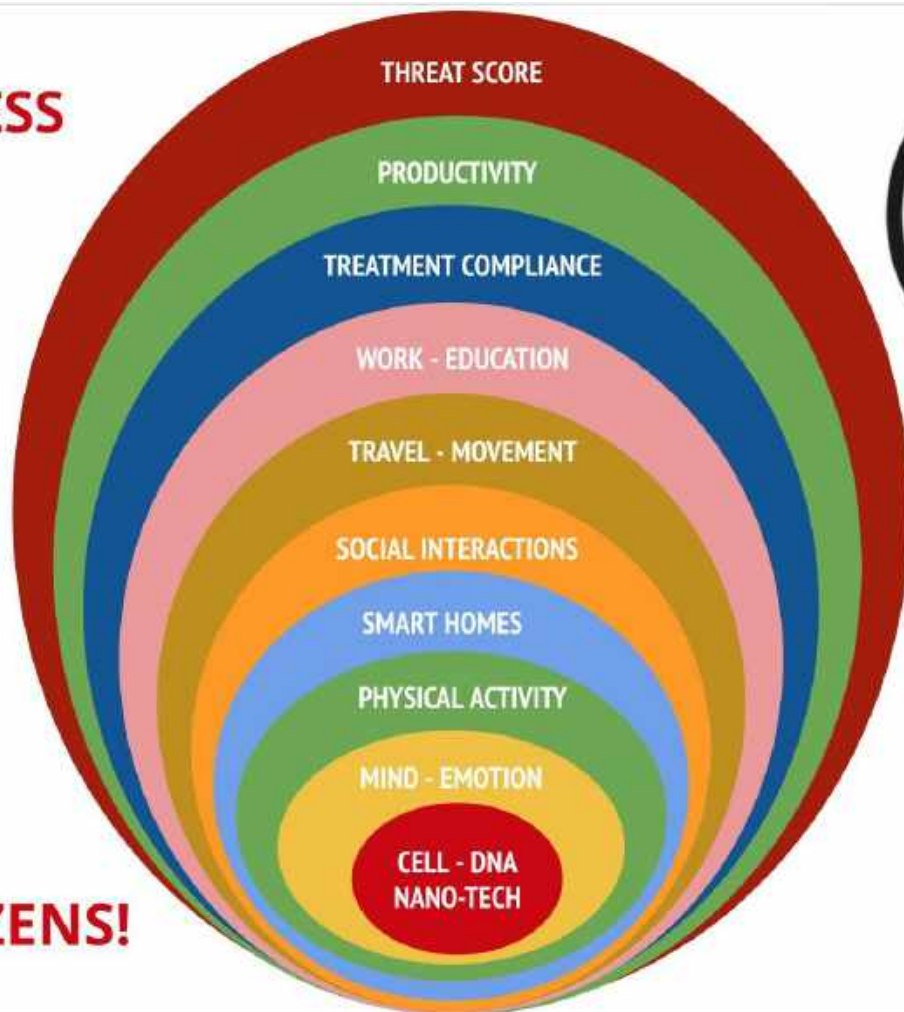


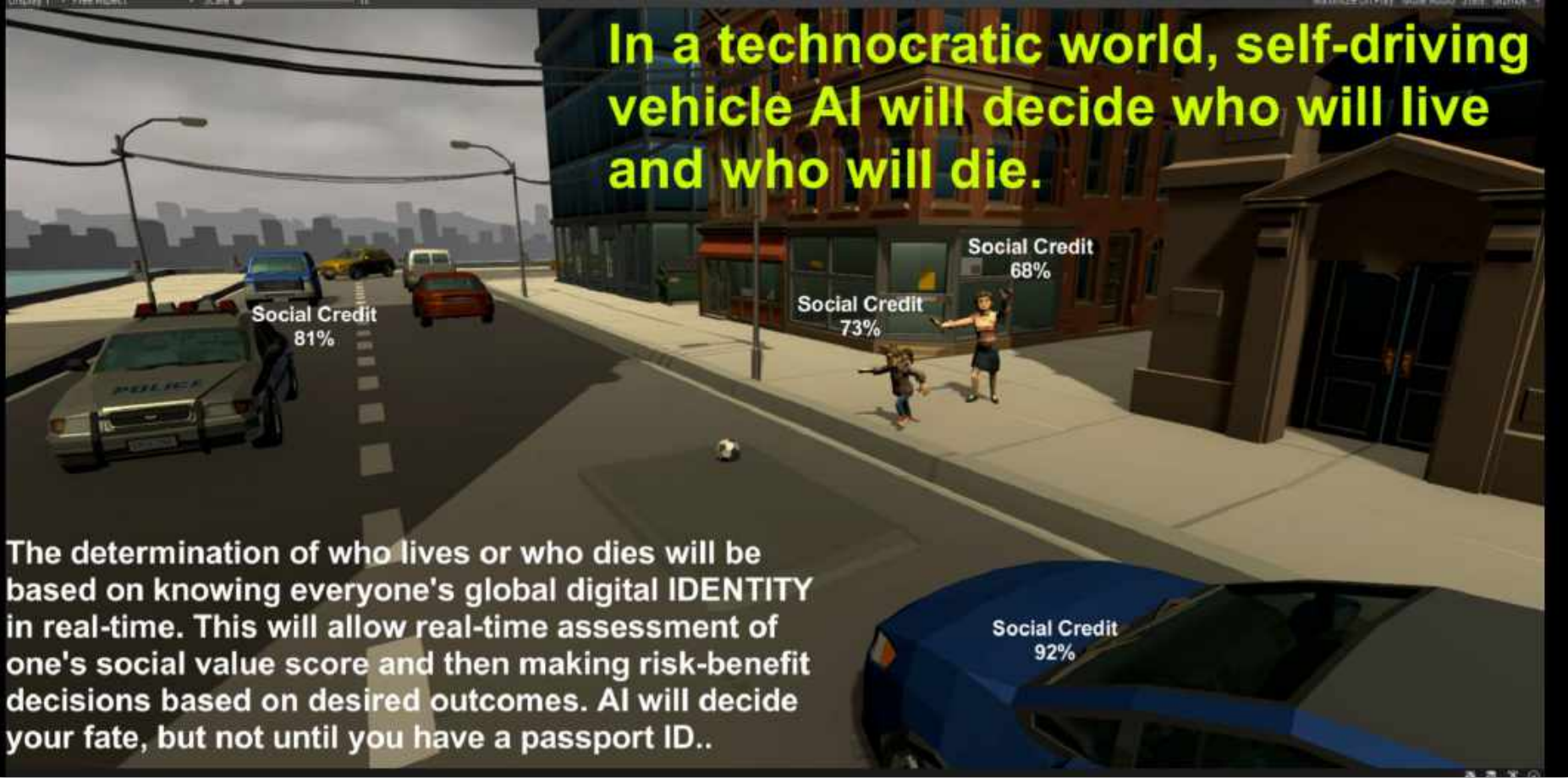
Classroom Solutions

PAY FOR SUCCESS PANOPTICON

Digital ID
Internet of Bodies
United Nations
Agenda 21
Predictive Profiling
Data Harvest
Human Capital
Futures Trading

WELCOME DIGITAL CITIZENS!





In a technocratic world, self-driving vehicle AI will decide who will live and who will die.

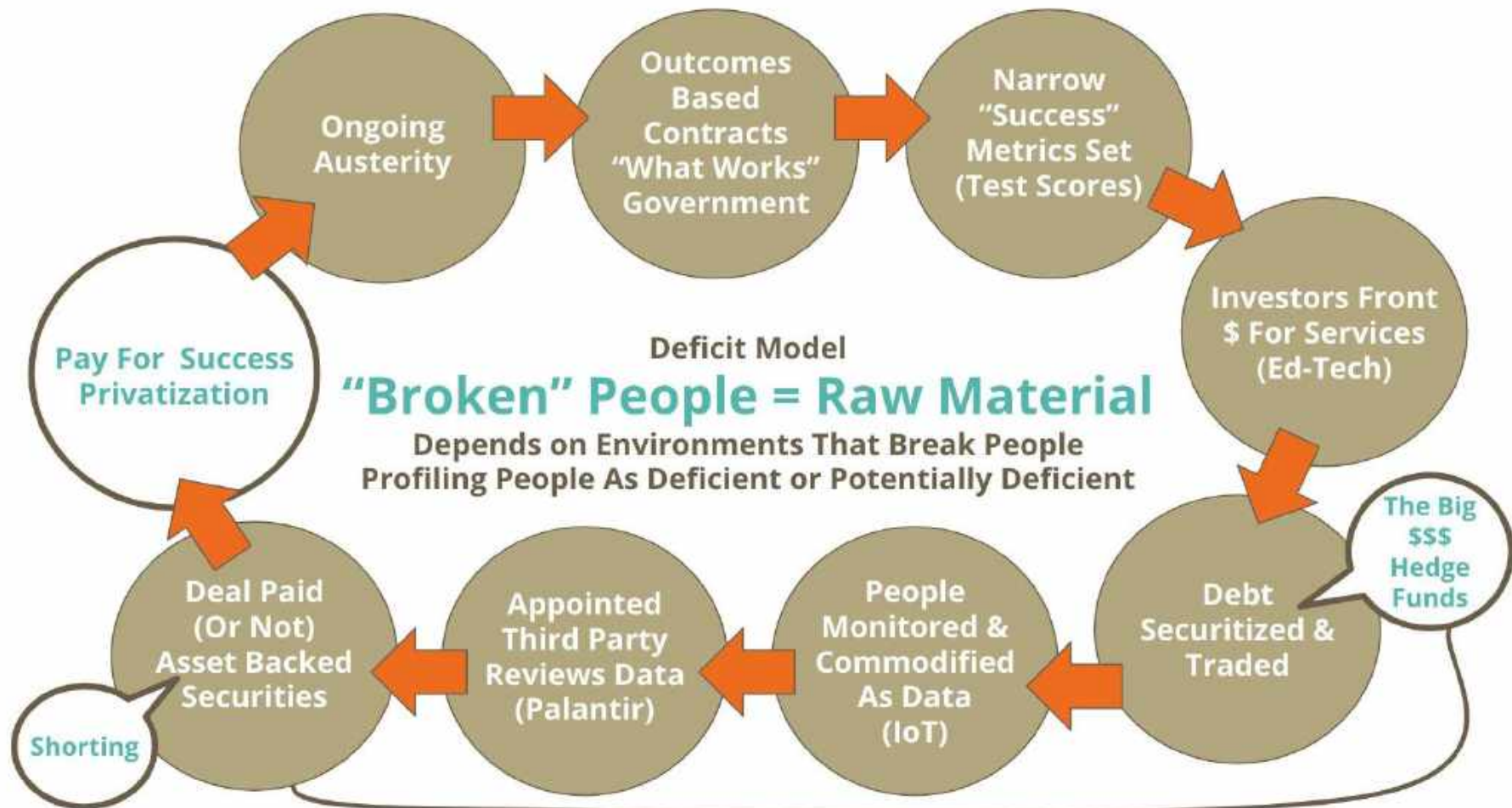
Social Credit
81%

Social Credit
68%

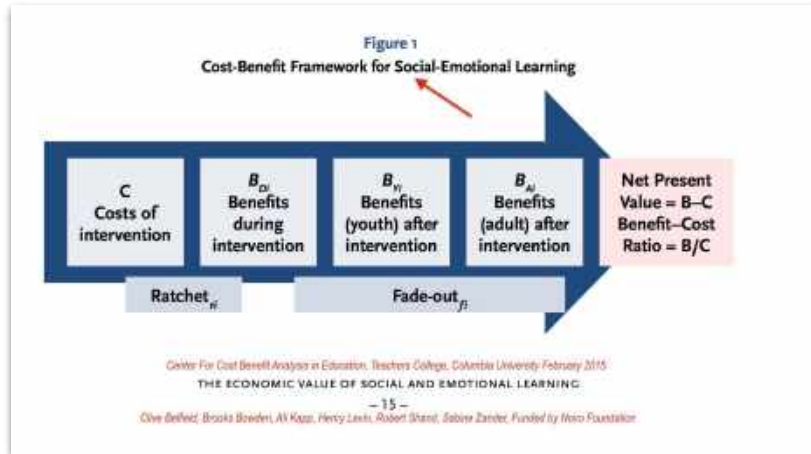
Social Credit
73%

Social Credit
92%

The determination of who lives or who dies will be based on knowing everyone's global digital IDENTITY in real-time. This will allow real-time assessment of one's social value score and then making risk-benefit decisions based on desired outcomes. AI will decide your fate, but not until you have a passport ID..



Reducing Life To An Equation - Data



Reinventing Our Communities

About Agenda Hotel Sponsors Contact

Investing in America's Workforce

How can workforce development be seen and treated as an investment in our national economy instead of as a social service? Hear from authors from a newly published book on this topic as part of the Federal Reserve System's Investing in America's Workforce Initiative. Presenters will explore issues, including strategies for investing in undervalued human capital, investing in regional sector partnerships, workforce investments in economic development planning, building the skills for the future of work, and updates to the Community Reinvestment Act (CRA) question and answers, that enable banks to include workforce development in their CRA strategies.

- Marc Doussard**, Associate Professor of Urban and Regional Planning, University of Illinois at Urbana-Champaign
- Martin Simon**, Acting Director Economic Opportunity, National Governors Association
- Elizabeth Sobel Blum**, Senior Community Development Advisor, Federal Reserve Bank of Dallas
- Moderator: Stuart Andreason**, Director, Center for Workforce and Economic Opportunity, Federal Reserve Bank of Atlanta

Career Impact Bonds - Securitized Income Sharing Agreements



[ABOUT](#) | [SOCIAL INVESTMENTS](#) | [ADVISORY SERVICES](#) | [FOCUS AREAS](#) | [FUND MANAGEMENT](#) | [RESOURCES](#)



[SIGN UP](#)

THE CAREER IMPACT BOND

The Career Impact Bond (CIB) is a financing model that expands access to quality, industry-recognized career training to people who face barriers to education and employment like low income, criminal justice involvement, and immigration status. It's based on a student-centered income share agreement (ISA) that allows students to enroll in training with no upfront costs. It works like this:

- 1 Impact investors** provide catalytic capital to **training providers** to cover upfront training costs and critical support services for typically underserved students.
- 2 Students** enroll free of charge, persist and graduate. Those who gain meaningful employment repay program costs as a fixed percentage of their income, capped at a set dollar amount and for a certain period of time. And those who don't obtain and maintain meaningful employment following graduation pay nothing.
- 3 Impact investors** and **training providers** share any payments received from students who find good jobs and achieve increased economic mobility. This aligns incentives and ensures all parties are

Money Stuff

You Can Securitize People Now

Also Aladdin, startup options, easy money and Ponzis.

By Matt Levine

February 26, 2020, 12:29 PM EST

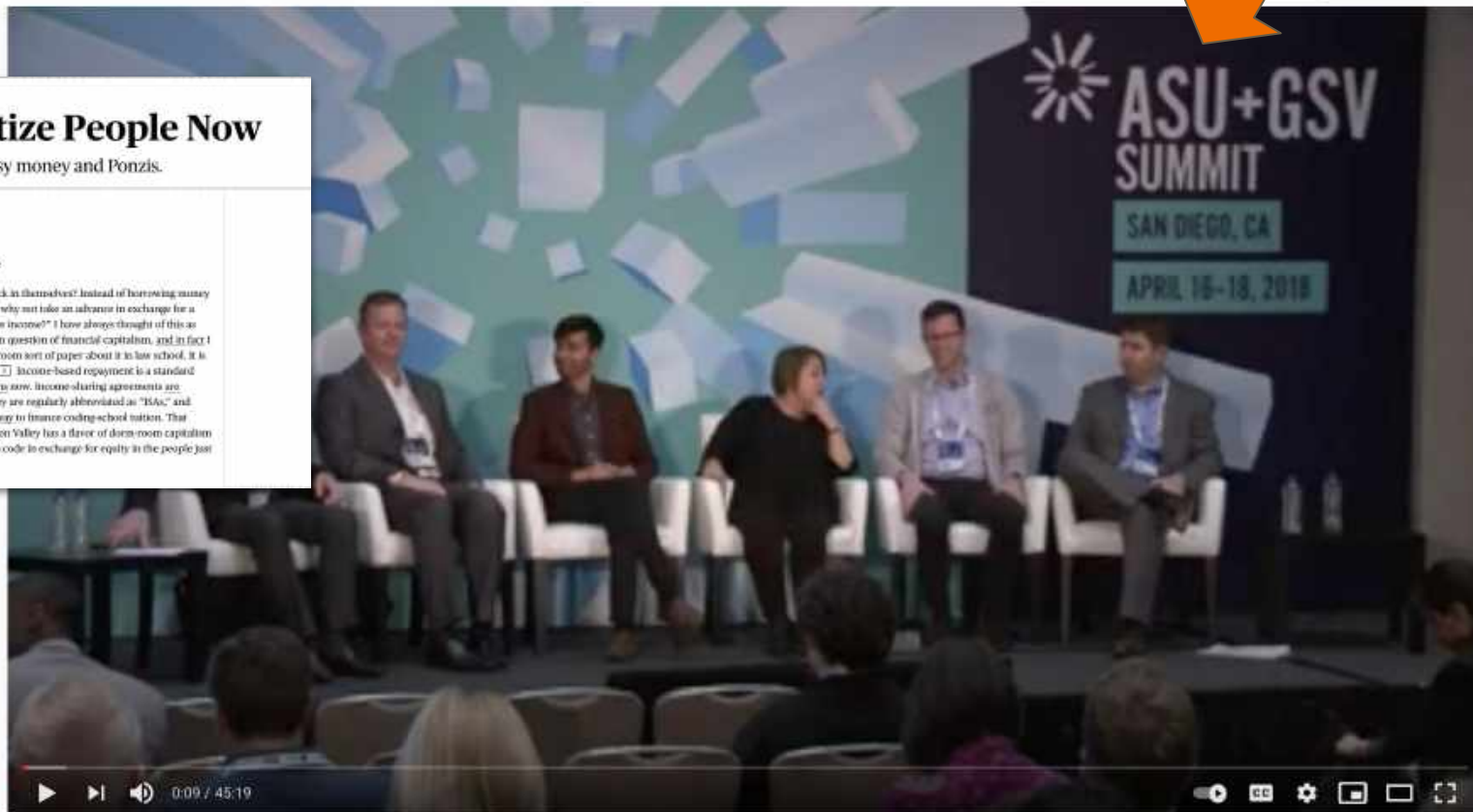
Matt Levine is a Bloomberg Column columnist covering finance. He was an editor of Dealogic, an investment banker at Goldman Sachs, a mergers and acquisitions lawyer at Weitzell, Lipkin, Messer & Katz, and a clerk for the U.S. Court of Appeals for the 9th Circuit.

Read more about
Silicon Valley, money and
Debt

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f 10 min

Securitizing people

"What if people could sell stock in themselves? Instead of borrowing money and pay back a fixed amount, why not take an advance in exchange for a fixed percentage of your future income?" I have always thought of this as the great late-stage dorm-room question of financial capitalism, and in fact I wrote a very late-stage dorm-room sort of paper about it in law school. It is increasingly, though, a thing. ☐ Income-based repayment is a standard option for federal student loans now. Income-sharing agreements are common enough now that they are regularly abbreviated as "ISAs," and they have become a popular way in finance coding-school nation. That makes sense. So much of Silicon Valley has a flavor of dorm-room capitalism anyway, so teaching people to code in exchange for equity in the people just feels natural.



ASU GSV Summit: Can Income Share Agreements (ISAs) Transform the Cost and Return-on-Education . . .

794 views • Apr 18, 2018

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Slate - “Overvalued”

Oxford American - “The Domestic Front”

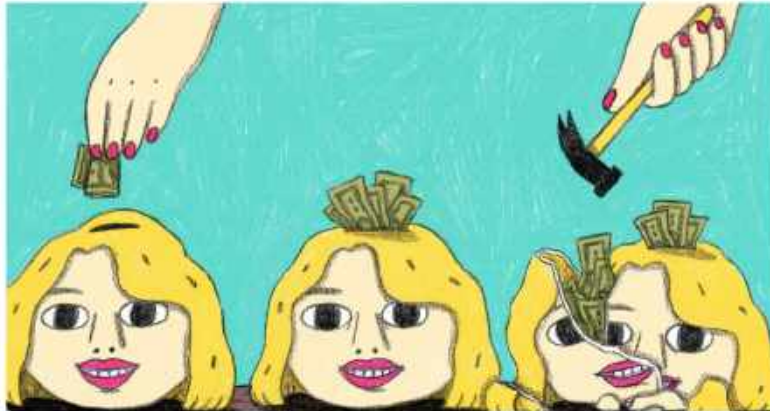
future ✕ tense

“Overvalued”

A new short story about a future in which people can buy and sell shares in one another.

BY MARK STASENKO

NOV 27, 2018 • 9:00 AM



ISSUE 17, SUMMER 2017

THE DOMESTIC FRONT

By Van Diamondfinger | June 18, 2017




"We're low, right?" In David Tipton's, from the series Future Machine. Courtesy of the artist.

Securitized Human Futures Markets


Prodigy wasn't an accurate term anymore. At first, the Prodigy Market, created by a coalition of what ultimately came to be known as the Seven-Figure universities, was only open for investments in the highest-potential students like Sophia—actual prodigies. But it was so profitable that before long any underperforming student or any bullshit, for-profit school could access the market.

High-potential students could float shares of 10 percent of their future lifetime earnings on the market, but students with less sterling credentials would offer 20 percent, 40 percent, or even 60 percent of all future income to garner interest. The market drove up the demand for RIAs, both on the part of families eager to produce them and of investors eager to acquire stakes in them, and the heightened demand further exacerbated the cost of attending the Seven-Figure schools. Universities touted the market as the great equalizer while their multibillion-dollar endowments bloated.

It was a highly liquid market at the top end, which allowed for an entirely new class of equities and derivatives. Moreover, Prodigies were bundled into PAGs (Prodigy Asset Groups) by banks for a particular risk level and industry cluster (BBB+ aspiring software engineers, for instance). The average investor didn't even have to research individual assets; they could bet on market demand for a certain profession or skill set. It was a casino, but instead of betting on black or red, the vote was on whether a high school kid was going to be successful. And Sophia was good at making that bet.



It was a casino, but instead of betting on black or red, the vote was on whether a high school kid was going to be successful.



by [WrenchInTheGears](#)
October 20, 2020



The Rise of Smart Contract Life

I believe the conspiracy started with the toaster, which, I might add, was not a doctor or medical professional.

I believe it started because I had been asking it to print toast with images of myself being defecated on by various historical despots. It probably also noticed I wasn't eating the toast.

—Are you sure you want to do this?

I told the toaster that I was. I had spent the whole morning running the image through filters before deciding on grayscale, 300 burns per inch, so you could see the manila rope around Saddam's neck and my abject and expectant expression beneath him Photoshopped from the selfie I'd taken on the kitchen floor where I'd spent the night.

—You could at least use a public domain image. This image will cost seventy-nine dollars to burn. Are you sure you want to proceed?

This was so like the toaster. In reality it didn't want to print the picture at all. It wanted to pop up with warm images of Grandma and cozy kittens like every other toaster on the block.

Health Management In Smart Homes

It wasn't being sentimental. It was built by Oster but had been supplied by my HMO, TransHumana Wellness, which had underwritten my kitchen suite and probably flagged things like this. Having breakfast lowered my risk of heart disease some 27 percent, but having it at 2 P.M. with stale beer from 4 A.M., lying on the floor, negated these gains somewhat. Taping the toast to the wall probably didn't adjust my premium, unless they factored in the content.

I didn't know, but sipping warm overnight beer made me irritably bold. I told the toaster to proceed. I was ready for Saddam Hussein to take a dump on my face already so I could smear red, red raspberry jam over the whole image and start my day.

—You don't have to yell.

The toaster complied and started printing. I wondered if I had any jam.

Israel Digital Rights Engine - E-Government

Sample Initiative

National Rights Engine (in cooperation with the Senior Citizens Division in the Ministry for Social Equality, the National Insurance Institute, the Ministry of Labor, Social Affairs and Social Services, Health Ministry, Justice Ministry, Commission for Equal Rights of Persons with Disabilities, the Government ICT Authority, and additional government agencies)

The Bureau is advancing a project to establish a national rights engine that will provide access to information about rights and benefits granted to citizens. The project will initially focus on the population of senior citizens, based on the understanding that this population group has difficulty inquiring about and realizing its rights. The Rights Engine will include a website where, after filling out a basic questionnaire, senior citizens, their family and the professionals assisting them will be able to receive customized information about the rights to which the senior citizen may be entitled and to realize these rights. The engine will consolidate information about rights from all government offices granting rights and benefits to citizens.



Technology To Transhumanism

Israel's Value to Transhumanism

Written By: Hank Hyena

Date Published: May 11, 2010 | View more articles in: [Politics](#)



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Imagine this sci-fi scenario: A small tribe with unique literature, customs and myths believes they've been "chosen" for a glorious destiny. But they're driven out of their native land, forced to wander the globe for aeons, persecuted and annihilated, until they're impelled by a utopian novel to return to their homeland. They name their new city after the inspirational book and their country becomes a technological powerhouse... but still, they're surrounded by enemies. They wage eternal war, they hover between hope and apocalypse... their contributions to humanity are astounding but they continue to fear total

extinction.

Familiar? Of course. I've described Israel and the Jews. A four-millennium saga with floods, burning bushes, diasporas, miracles, massacres, temples, pogroms, holocausts, and 180+ brainy Jews receiving Nobel Prizes — 22% of the total awards garnered by only .25% of the population. Today's Israel — a dynamic nano-nation tinier than New Jersey in size and numbers — is imagination made concrete, the material manifestation of Theodor Herzl's futuristic, Zion-inspiring 1902 book *Altneuland* (translated as "The Old New Land" in English, and "Tel Aviv" in the Hebrew translation by Nalun Sokolov.)

Defense & Friends: Israel is a world leader in satellite technology, often used in spying on hostile neighbors. Israel also has nuclear weapons — an estimated 75-200 warheads. It's got the fourth largest air force in the world and the most impenetrable flight security. Israel's "best friend" is not the United States, it's India — a close economic and military ally, and a collaborator on space research. Israel's also (usually) cozy with China, Russia, Germany and Mexico.

Conclusion: In my opinion, Israel (like South Korea) will be a tiny giant in the world of the future. Both nations have risen triumphantly from near-nothingness in the last sixty years. Although Israel is miniscule and threatened by opposition, it has used this challenge as motivation for advancement. Israel's diminutive size and gargantuan progress is reminiscent of the small vibrant city states of history, such as classical Athens (rivaled by Sparta, Thebes and Corinth), medieval Florence (opposed by Venice, Milan, Genoa, Pisa and Siena), the Warring States of China (forward leaps in philosophy, metallurgy, government, law and military strategy), Swahili seaports (Mombasa, Malindi, Kilwa, Sofala, Zanzibar, and Mogadishu competed economically as their cosmopolitan cultures blossomed), plus myriad other mighty dwarfs that performed phenomenally under pressure.

I believe that Israel's future will be as plucky as David with his technologically superior sling. All humanity can benefit from Israeli research and inventiveness as our planet progresses towards a metaphoric "land of milk and honey."

Hank Hyena also writes for [hedonistfuturist.com](#) and *The Extropist Examiner*.

Special thanks to Iilia Stambler for his patient assistance.

Relating To The World Via Smart Contracts



The header of the Arizona Attorney General's website features the state seal on the left, which includes a scale of justice and the words "ATTORNEY GENERAL" and "STATE OF ARIZONA". To the right of the seal, the text "Arizona Attorney General" and "Mark Brnovich" is displayed in a large, white, serif font. A search bar is located in the top right corner.

OFFICE - COMPLAINTS - OUTREACH - SENIORS - CONSUMER - CRIMINAL - CIVIL RIGHTS

Arizona Accepts Three New Participants into FinTech Sandbox

Wednesday, May 15, 2019

PHOENIX -- Attorney General Mark Brnovich announced today the approval of three more Arizona FinTech Sandbox participants, Align Income Share Funding, Inc., ENIAN, Ltd., and Verdigris Holdings Inc. The program, which was launched in August of 2018, now has six participants.

Align Income Share Funding, Inc. will test a business model that offers income-sharing agreements, which allows a consumer to receive an amount of money in exchange for an agreed upon percentage of the consumer's income for a set time period. Align seeks to demonstrate that income-sharing arrangements are different from consumer loans, in particular because there is no set amount that must be repaid by a consumer and under certain circumstances, Align may receive less or none of what was provided to a consumer (such as in the case of involuntary unemployment). Participating in the Arizona sandbox will provide regulatory certainty to Align as it seeks to demonstrate that it is a different service than consumer lending and should not be regulated as such. Ultimately, the Department of Financial Institutions will determine whether a consumer lending license is required at the end of the two-year testing period.

Dr. Pavel Luksha

FOUNDER AND DIRECTOR, GLOBAL EDUCATION FUTURES INITIATIVE



Dr. Pavel Luksha is a founder and a director of Global Education Futures initiative, aimed at catalyzing the transformation of educational ecosystems at a global scale, and a co-founder of Global Change Leaders movement of educational & social innovators. He is also a Professor of Practice at Moscow School of Management SKOLKOVO, where works primarily on the transformation of the higher & professional education sector, and a Professor at ITBA (Technological University of Buenos Aires). Pavel also works closely with Russian Agency of Strategic Initiatives, one of the primary national vehicles of driving change in professional education development and new technological sectors. He is the coauthor of Rapid Foresight methodology, widely used in sectoral and regional planning, and a primary author of Skills Technology Foresight methodology developed in partnership with International Labor Organization.

He is the leading author of several major publications on future of skills and learning, including:

"Educational Ecosystems for Societal Transformation"

(<http://futuref.org/educationfutures/>) />

"Skills of the future" (<http://futuref.org/futureskills/>) />

"Atlas of Emerging Jobs" (www.atlas100.ru/en)



Tom Vander Ark

@tvanderark

Reconnecting with learners through #ProjectBased Learning gettingsmart.com/2021/06/the-tr... via @Getting_Smart @saintfester @PBLWorks #PBL



8:03 AM - Jun 1, 2021 · Twitter Web App

Skills Badges & Data-Mining

About the Initiative

Investing in America's Workforce is a [Federal Reserve System](#) initiative in collaboration with the [John J. Heldrich Center for Workforce Development](#) at Rutgers University, the [Ray Marshall Center for the Study of Human Resources](#) at the University of Texas at Austin, and the [W.E. Upjohn Institute for Employment Research](#). Led by the community development function of the Federal Reserve System, the initiative aims to reframe and reimagine workforce development efforts as investments that can lead to scalable solutions and measurable outcomes. Components of the initiative to further this goal include:

Pay For Success

- A series of listening sessions and [subsequent report and special topic briefs](#) aimed at gathering and analyzing information and ideas from people who work at the intersection of workforce training, recruiting, and finance.
- A [national conference](#) in Austin, Texas, in October 2017, where over 300 attendees discussed promising approaches to workforce development.
- A [three-volume book](#) that offers research, best practices, and resources on workforce development from a wide range of experts in various fields.
- A training curriculum for Community Reinvestment Act bank examiners on qualifying workforce investments under new Interagency Q&A clarifications for the regulation.

For more information about the initiative, and to read chapters from the three-volume book and other special topic briefs, please visit www.investinwork.org.

Global
Capital
Flows

Federal
Reserve

Neuroweb Roadmap: Enacting our Transhumanist Future

Transhumanist Visions 2.0
Piedmont, 1 March 2014

Pavel Luksha, PhD
Global NeuroWeb Foresight Initiative
RF Group / SKOLKOVO School of Business



1 of 21

Neuroweb: Enacting Transhumanist Vision

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Pavel Luksha, Research & Advisory

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**Potentially, every area of human life
will be affected: NeuroWeb is next ICT**

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- Entertainment
- Healthcare & Wellness
- Social interaction
- Public art
- Working with environment
- Production & logistics
- Design & R&D
- Management & governance
- Security & Defense
- Urban living: home ambience, transportation, city infrastructure

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Neuroweb: Enacting Transhumanist Vision

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Data Harvest: Mind, Body, Spirit



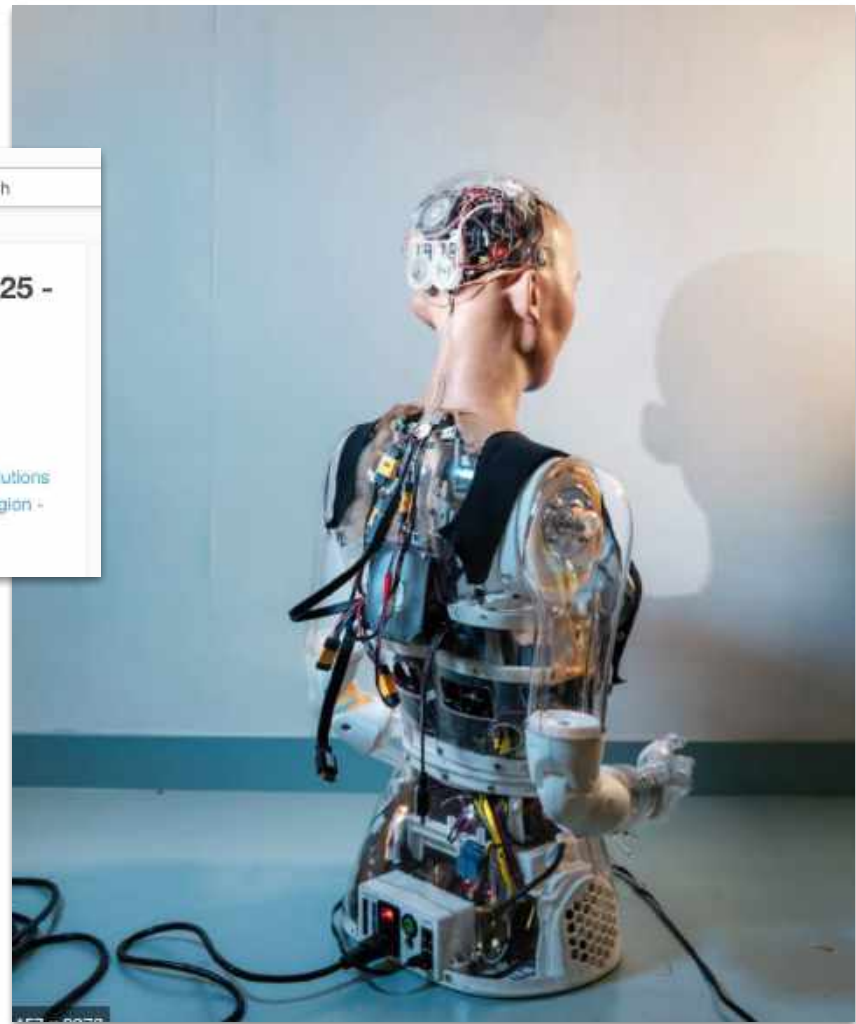
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\$3.9 Billion Worldwide Social and Emotional Learning Industry to 2025 - Fear of COVID-19 Second Wave Could Restrain the Market - ResearchAndMarkets.com

July 22, 2020 09:58 AM Eastern Daylight Time

DUBLIN--(BUSINESS WIRE)--The "COVID-19 Impact on Social and Emotional Learning (SEL) Market by Component (Solutions and Services), Type (Web and Application), End User (Pre-K, Elementary Schools; and Middle and High Schools); and Region - Global Forecast to 2025" report has been added to **ResearchAndMarkets.com's** offering.



Behaviorism - Machine Learning

DANIEL TIGER'S NEIGHBORHOOD



"Playing tea party is a way for children to work on important social skills, like thinking about the needs of others and taking turns."

Playing tea party is a way for children to work on important social skills, like thinking about the needs of others and taking turns. They also learn about getting along with friends, as children imitate grownup behavior with manners and caring conversation.



B. F. Skinner

Episode #1 of the course "Influential Psychologists Throughout History"

Burrhus Frederic Skinner (B.F. Skinner) was an extremely well-known behavioral psychologist. His most famous work is based on the idea of positive and negative reinforcement. He believed that studying behavior rather than attempting to guess at internal mental processes was a much more productive way to study individuals. Understanding behavior, for Skinner, meant that we should study the causes of an action and its consequences. He termed his approach "operant conditioning."





Melanie Swan

[Home](#) [Publications](#) [Bio](#) [Speaking](#) [Video](#) [Hackathons](#)

Biography

Melanie Swan is a Research Associate at the [Centre for Blockchain Technologies](#) at [University College London](#). She is the founder of several startups including [DIYgenomics](#), [GroupPurchase](#), the [MS Futures Group](#), and the [Institute for Blockchain Studies](#). Ms. Swan has a PhD from [Purdue University](#), an MBA from the [Wharton School](#) of the [University of Pennsylvania](#), and a BA from [Georgetown University](#). Previous academic affiliations include the [New School for Social Research](#) in New York NY, [Kingston University London](#) and [Université Paris 8](#). She is a faculty member at [Singularity University](#) and the [University of the Commons](#), an Affiliate Scholar at the [Institute for Ethics and Emerging Technologies](#), and a participant in [FQXi](#)'s foundational physics Essay Contest.

Ms. Swan's career has focused on academic research, finance, and entrepreneurship. In industry, she was Research Director of the Telecom Economics Program at optical networking boutique [Ovum-RHK](#), and previously held management and finance positions at [iPass](#) in Silicon Valley, [J.P. Morgan](#) in New York, [Fidelity](#) in Boston, and [Arthur Andersen](#) in Los Angeles.

Ms. Swan serves as an advisor in academic, government, corporate, and startup settings, and is active in the community promoting science and technology. She is a [hackathon participant](#) and designs collaboration simulations including "Discontinuity Futures," "Being an Entrepreneur" and "The Trader's Pit." Ms. Swan is an Advisory Board member of the [Lifeboat Foundation](#) and the [Accelerating Studies Foundation](#), the former Treasurer of San Francisco-based non-profit [Equal Rights Advocates](#), and a workshop presenter at the [Expanding Your Horizons](#) math and science conference. Ms. Swan speaks French, Spanish, and Portuguese, and enjoys reading, international travel, running, and meditation.



Transhuman Crypto Cloudminds

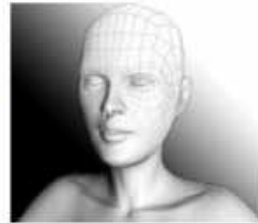
Essay Winner: Humanity Plus Essay Competition, "Mutual Benefits of Blockchain and Transhumanism" (2018)

12 Pages • Posted: 26 Nov 2018

[Melanie Swan](#)



Purdue University; Institute for Blockchain Studies

Date Written: October 21, 2018



Blockchain Consciousness Electricity And Life

Disney + US Army Research = Synthetic People



2008 ICT Workshop on Intelligent Lifelong Learning Companions

Hosted by the [Institute for Creative Technologies](#) at the [University of Southern California](#).

(Thu. and Fri.) October 2-3, 2008

[HOME](#) <
[Overview](#) >
[Agenda](#) >
[Attendees](#) >
[Logistics](#) >
[Expenses](#) >
[Materials](#) >

Welcome

The purpose of this workshop is to bring together researchers and educators to discuss the vision of building intelligent agents who can act as *lifelong learning companions*. Invited talks and discussions will address both the empirical/psychological issues of human learning and technological advances in artificial intelligence (AI) and intelligent tutoring systems (ITS). (this is continued in the [workshop overview](#))

The Institute for Creative Technologies (ICT) at the University of Southern California is a university affiliated research center (UARC) funded by the U.S. Army. ICT conducts research in artificial intelligence, computer graphics, virtual reality, serious games, intelligent tutoring systems, natural language processing, virtual humans, and more. ICT is located in [Marina del Rey, California, U.S.A.](#), two blocks from the marina, three blocks from the [Information Sciences Institute](#), and 5 miles south of Santa Monica.



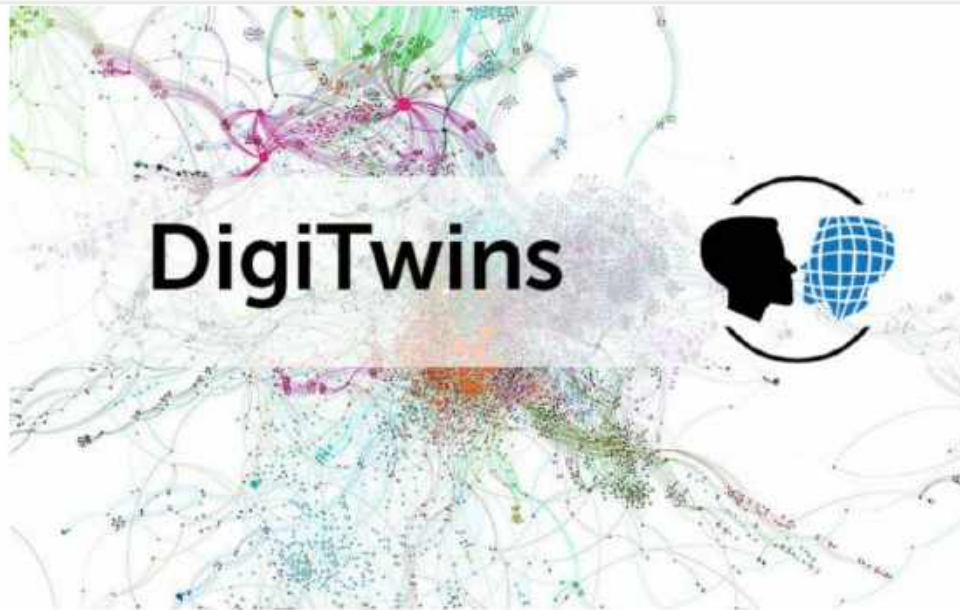
Modeling & Simulation: the Overlap of DoD & EI



Many of the future challenges that face the movie industry, the games industry and the DoD are the same.

Multiplayer, simulations using real-time, 3D graphics (technology overlap in networking, low-cost graphics hardware, human modeling, autonomous agents, ...).

Tracked on Blockchain - Permanent Record - EHR+



DigiTwins, a large research initiative in Europe and beyond, aims to revolutionise healthcare and biomedical research for the benefit of citizens and society through the creation of digital twins.

European Union [+ Add to myPT](#)

EU set to unveil digital wallet fit for post-Covid life

App will allow citizens to securely access private and public services with a single online ID



Thursday 29 March, the EU Commissioner in charge of digital policy, has said the digital wallet will give EU citizens 'the key to their digital lives'. © Reuters

Johannes Hahn in Brussels YESTERDAY



The EU is set to unveil detailed plans for a bloc-wide digital wallet on Wednesday following requests from member states to find a safe way for citizens to access public and private services online.

The digital wallet would securely store payment details and passwords and allow citizens from all 27 countries to log into local government websites or pay utility bills using a single recognised identity, said people with direct knowledge of the plans.

The EU-wide app, which can be accessed via fingerprint or retina scanning among other methods, will also serve as a vault where users can store official documents such as a driver's licence. Using the wallet was not compulsory, those involved said, but citizens who chose to sign up would benefit from an extra-secure digital ecosystem and greater flexibility ideal for post-pandemic life.

4th Industrial Revolution Cybernetics



Agenda Presentations on the Moonshot Goals by the Chairs of the WGs

Working Group 1 Discussion

**Japan Science And Technology Agency
International Symposium December 2019**



[Concept of MS Goal candidate]

- By 2050, realization of a society in which human beings can be free from their limitations of body, brain, space, and time with harmonious empowerment.

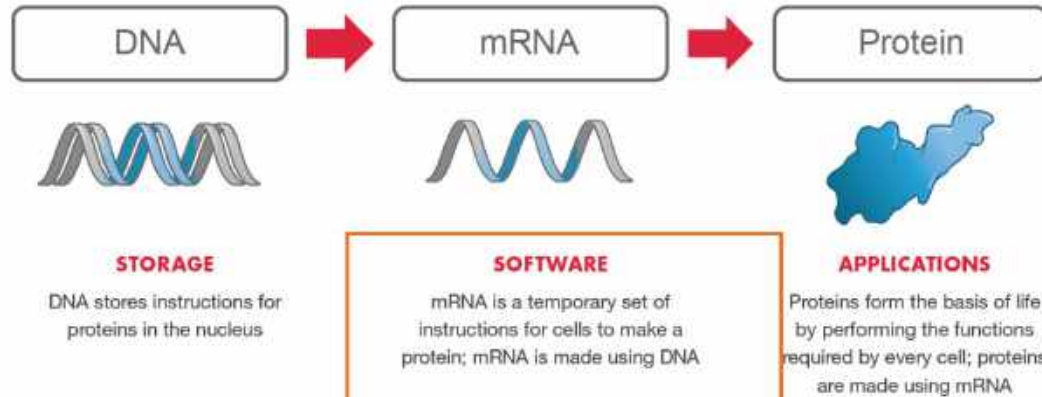
WG1 discusses Cybernetic Avatar(C-Avatar) Society in order to create disruptive socio-technological changes in Japan. C-Avatar is a concept that includes not only remote avatars using robots and 3D images as proxies but also empowerment of the physical/cognitive activities of human using ICT and robotics.

C-Avatar aims to be active not only in the physical world, but also in the cyber-physical world, i.e. Society 5.0.

Business Target: Cybernetic Avatar Capitalism for Diversity and Inclusion

Life Target: Cybernetic Avatar Life

Colonization - New Markets For Extraction



Our mRNA Medicines – The 'Software of Life'

When we have a concept for a new mRNA medicine and begin research, fundamental components are already in place.

Generally, the only thing that changes from one potential mRNA medicine to another is the coding region – the actual genetic code that instructs ribosomes to make protein. Utilizing these instruction sets gives our investigational mRNA medicines a software-like quality. We also have the ability to combine different mRNA sequences encoding for different proteins in a single mRNA investigational medicine.

We are leveraging the flexibility afforded by our platform and the fundamental role mRNA plays in protein synthesis to pursue mRNA medicines for a broad spectrum of diseases.

**Now do you understand
why no one is willing
to stand against 5/6G?**

**It is the apparatus of
end game colonization
of life on Earth.**

**Nano-robotics as the
Nina, The Pinta,
The Santa Maria**

**Sailing Across The
Blood Brain Barrier**

A Pox On The Mad Scientists!

BIO-NANO THING NETWORKS AND THE INTERNET

Within the IoBNT, Bio-NanoThings are expected to not only communicate with each other, but also interact into networks, which will ultimately interface with the Internet. To this end, the definition of network architectures and protocols on top of the aforementioned MC systems is an essential step for IoBNT development. A further challenge for the IoBNT is the interconnection of heterogeneous networks, i.e. composed of different types of Bio-NanoThings and based on different MC systems. Finally, the realization of interfaces between the electrical domain of the Internet and the biochemical domain of the IoBNT networks will be the ultimate frontier to create a seamless interconnection between today's cyber-world and the biological environment. In Fig. 4 we show a possible scenario where a complete IoBNT, composed of several networks based on different MC systems, is deployed inside the human body, and interfaces through a personal electrical device connected to the Internet to deliver intra-body status parameters (and receive commands and instructions) to (from) a healthcare provider.

"The Internet of Bio Nano Things" I.F. Akyildiz, Georgia Tech

IEEE Communications Magazine — Communications Standards Supplement • March 2015

Homo Sapiens Sapiens Dot Net



Centaurs

HUMAN 2.0+: CENTAURS



- “Centaurs” are now well known in Chess and other complex strategic games.
- At first, expert AI systems beat humans consistently (e.g., Deep Blue vs. Garry Kasparov).
- Then, experts, but importantly NOT Grand Masters, started teaming up with AI systems.
- The combination of the human expert and the AI beat the AI alone, every time.
- Why? Because human brains are good at seeing patterns and bad at assessing probabilities.

Nephele

Centaurus (Greek mythology)


From Wikipedia, the free encyclopedia

In *Greek mythology*, **Centaurs** is the father of the race of mythological beasts known as the **centaurs** or *kenoideai*. The Centaurs are half-man, half horse; having the torso of a man extending where the neck of a horse should be. They were said to be wild, savage, and lustful.

Mythology [edit]

After Ixion, king of the **Lapiths**, fell into insanity and was ostracized by his people, **Zeus** sympathized greatly with Ixion and brought him up to **Olympus** to dine with the gods. There Ixion saw **Hera**, Zeus' wife and queen of the gods, with whom he fell instantly in love and began to desire her sexually. Zeus, suspicious of Ixion, set for him a trap by fashioning a figure from cloud (**Nephelē**) in the likeness of Hera and laying it next to Ixion whilst he was asleep in a field. When Ixion awoke, he began to make love to Hera's double, which so enraged Zeus that he drove Ixion from Mount Olympus, struck him with a thunderbolt, and damned Ixion to be eternally bound to a flying burning wheel that would spin around the heavens nonstop (though it was later moved to **Tartarus**).

Nephele's child by this union was Centaurus, a deformed child who hunched over and found no peace amongst other humans, and so removed to the mountain of [Pelion](#). There, he roamed, lived, and mated with the Maenesian mares who resided there. This resulted in the birth of the centaur race.


Nephele: Microbiome Analysis

[Analysis](#)
[User guide](#)
[Tutorials](#)
[About](#)
[FAQs](#)
[Contact](#)

About Nephele

What is Nephele?

The Microbiome

Project Team

Citing Nephele

Release Notes

What is Nephele?

Nephele is a web-based platform for microbiome data analysis. It was developed by scientists at the National Institutes of Health to make microbiome analysis easier, streamlined, and more accessible for a variety of users.

Microbiome analysis is a growing area of science and medicine. It generates an enormous amount of raw data and requires advanced quantitative analysis. Technical capacity to analyze microbiome data – namely, analyzing, transferring, and storing biomedical “big data” – is a major challenge in this type of research. Nephele addresses these challenges through cloud-based computing, integrating open source microbiome data analysis and visualization tools into an intuitive user interface.

Like its namesake, a Greek mythological nymph who was molded from a cloud by Zeus, Nephele (pronounced [ne-FEH-lee](#)) is a powerful scientific tool created from a cloud-based environment.

For more information on Nephele, please see [our publication on Nephele version 1.8](#). A publication of the current Nephele version 2 is coming soon. For changes from version 1.8 to version 2, please see the [Release Notes](#).

Penn Medicine News

Home | News | Publications & Special Projects | Internal Newsletters

CRISPR-Edited Immune Cells Can Survive and Thrive After Infusion into Cancer Patients

New data on Amgen U.S. trial sheds new light on success of gene editing and cell function

February 09, 2023

PHILADELPHIA — Genetically-edited immune cells can persist, survive, and function effectively after a patient undergoes treatment, according to work that is shared by researchers at the University of Pennsylvania and Amgen, Inc. (NASDAQ:AMGN), a leading biotechnology company, at the 2023 American Association of Cancer Research (AACR) Annual Meeting in Philadelphia. The team shared data from a phase 1 clinical trial of CRISPR-edited immune cells in cancer patients, showing that the cells can survive and function effectively after infusion into cancer patients.

The team, led by Dr. George Daley, a professor of Stem Cell Biology and the director of the Center for Stem Cell Biology at the University of Pennsylvania, and Dr. Michael Heidecker, a senior director of research and development at Amgen, presented data from a phase 1 clinical trial of CRISPR-edited immune cells in cancer patients. The trial, which is ongoing, is designed to evaluate the safety and efficacy of the CRISPR-edited immune cells in cancer patients. The team found that the CRISPR-edited immune cells can survive and function effectively after infusion into cancer patients, and that the cells can persist in the body for at least 12 weeks after infusion.

The team also found that the CRISPR-edited immune cells can function effectively after infusion into cancer patients, and that the cells can kill cancer cells. The team is currently conducting a phase 2 clinical trial of the CRISPR-edited immune cells in cancer patients, and is planning to conduct a phase 3 clinical trial in the future.

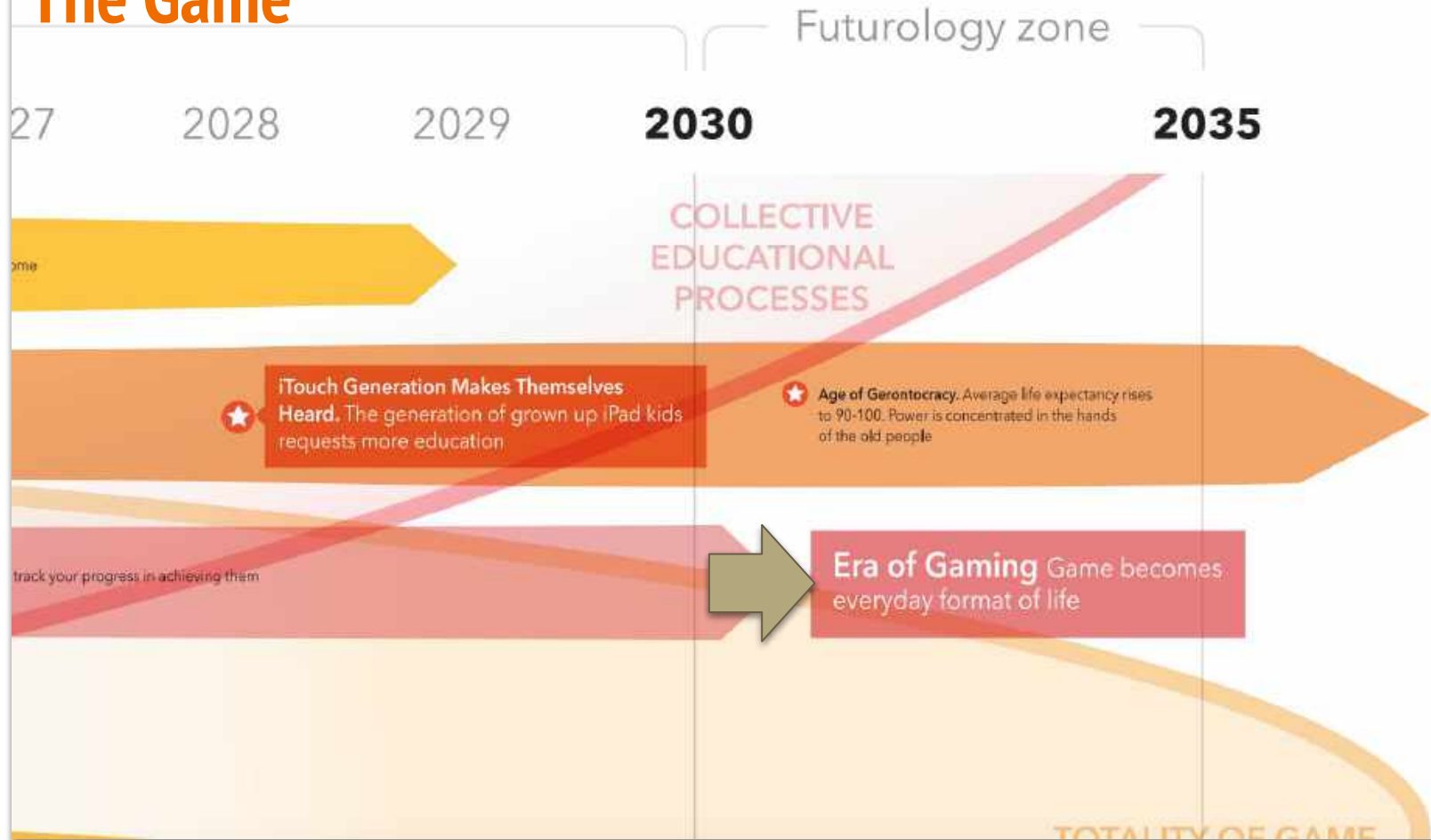
The team's findings are significant because they show that CRISPR-edited immune cells can survive and function effectively after infusion into cancer patients, and that the cells can persist in the body for at least 12 weeks after infusion. This is a major step forward in the development of CRISPR-edited immune cells as a cancer treatment.

CRISPR-Cas9 Gene Editing

The diagram illustrates the CRISPR-Cas9 gene editing process. It shows a CRISPR array being transcribed into a crRNA, which is then loaded into a Cas9 protein. The Cas9 protein, guided by the crRNA, targets a specific DNA sequence and makes a double-strand break. The broken DNA is then repaired by a DNA repair mechanism, resulting in a permanent edit to the genome.



The Game



Center For Game Based Learning

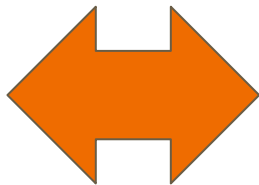


Webs of Sacred Relationship?

Natural Life



Dzil ncha si an
San Carlos Apache



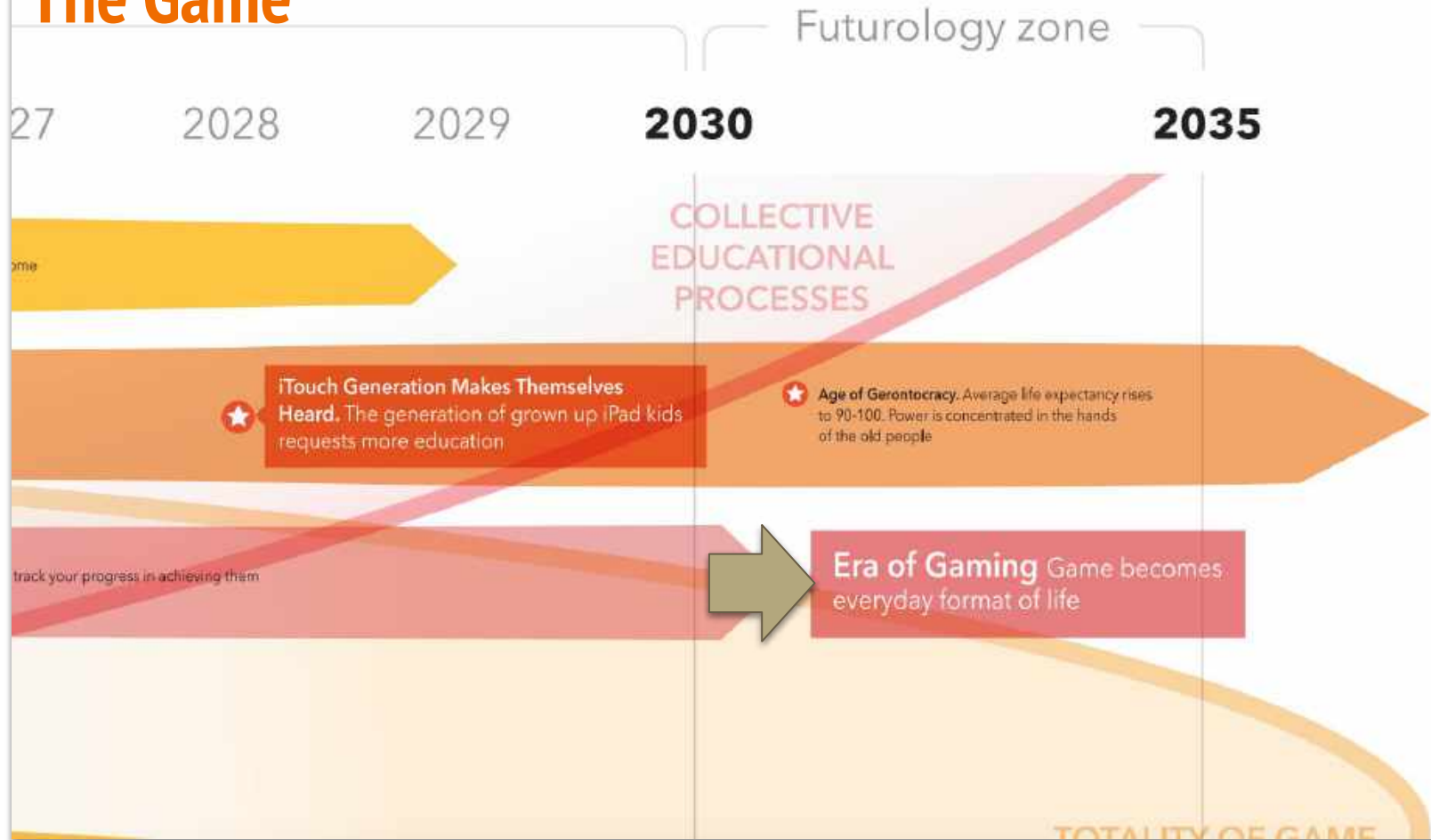
Synthetic Life

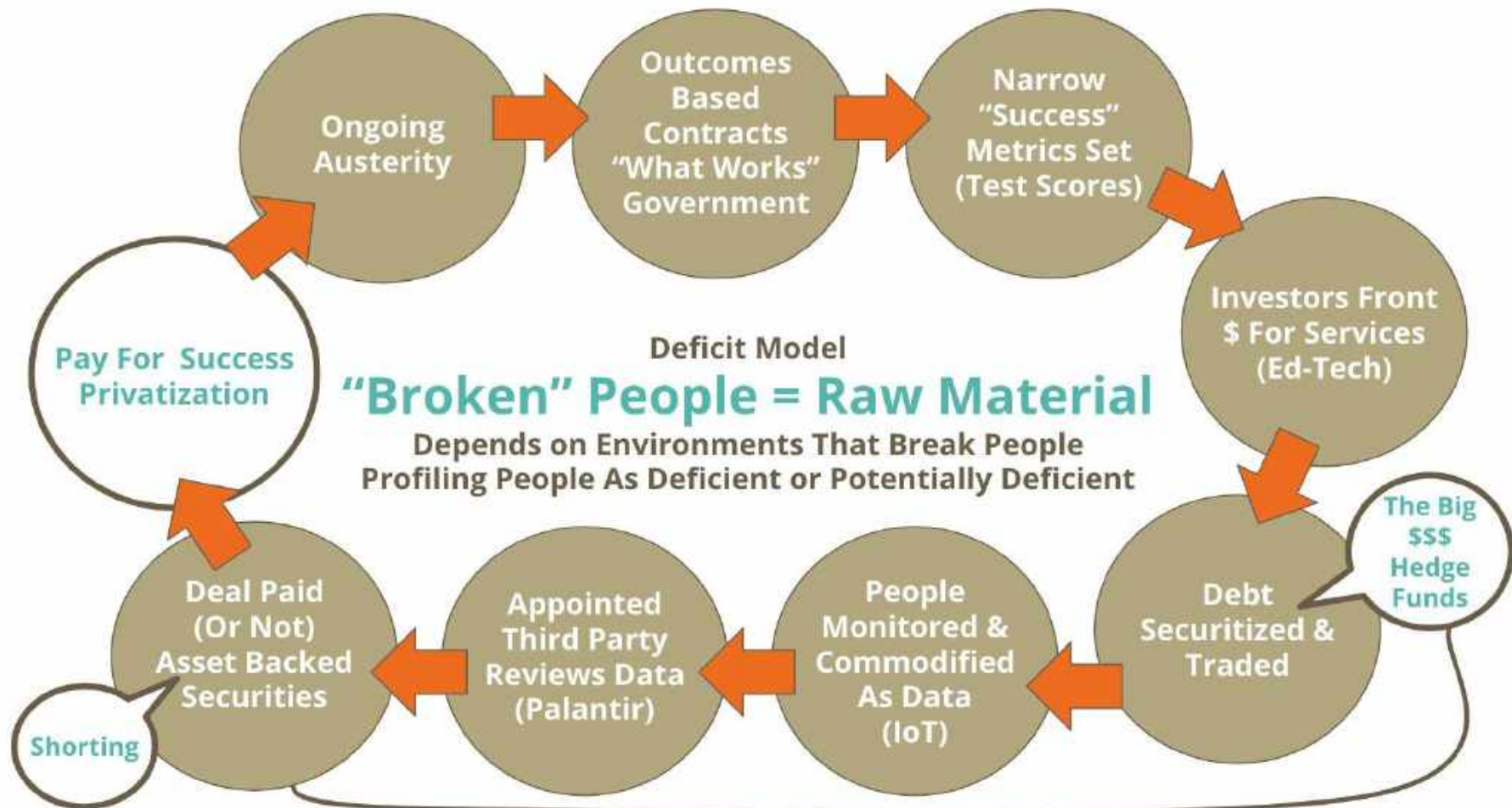


Michael Crow, ASU

Or CIA-Backed Mixed Reality Video Game?

The Game





What is the name of “their game”?

Full Spectrum Dominance

These 7 Arizona companies are quietly leading in space exploration and commercialization

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A World View balloon would take a capsule to 100,000 feet before releasing it.



By Eric Miller – Contributing writer
Jun 21, 2016, 4:53pm EDT

Space

Micro-Nano

ASU Arizona State University
Biodesign Institute

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Biodesign Center for Health Through Microbiomes

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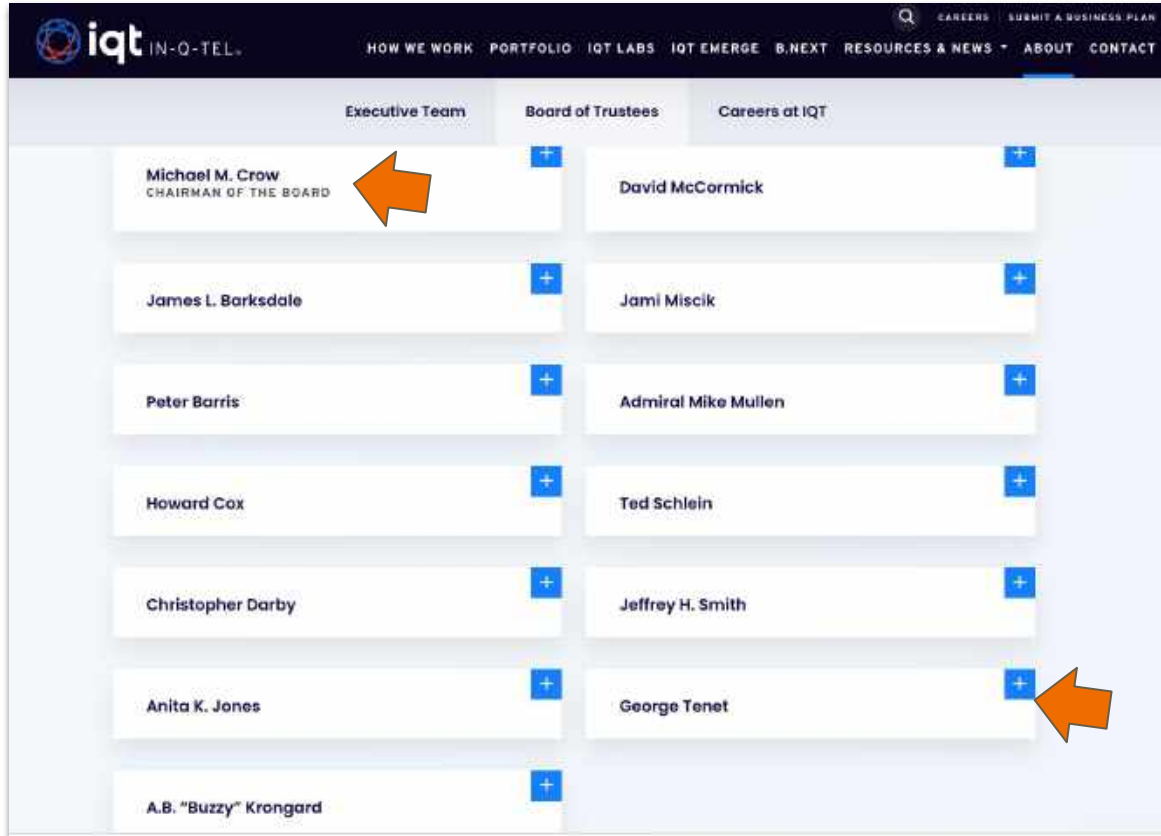
Overview
Research
Team
Technology
News and events
Opportunities

Microbial universe within can improve health

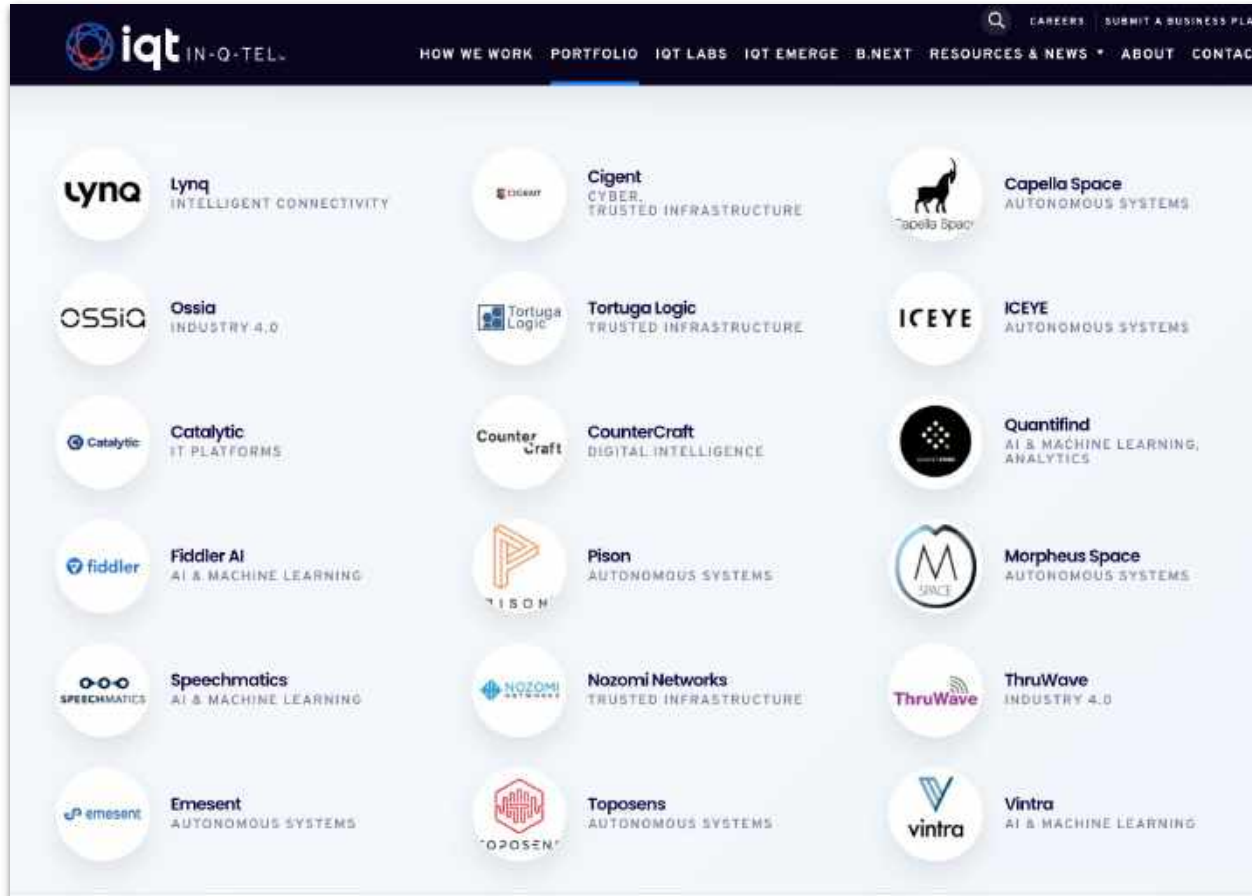
Microbes that live in our bodies affect our health in positive or negative ways. They produce vitamins, help us digest food, train our immune system, produce and consume neurotransmitters and protect us against pathogens. When thrown off balance from our industrialized lifestyle, poor diet and over-use of antibiotics, our health can suffer, too. This unbalance triggers problems such as obesity, type 2 diabetes, altered metabolism, autism, depression, Clostridium difficile infections, irritable bowel syndrome, colon cancer and altered drug metabolism. Increased understanding of the human microbiome and possible interventions will enable us to prevent or fix microbial imbalances.

Our team creates fundamental knowledge to develop microbe-based health interventions and diagnostics for better human health. Using fundamental microbiomes knowledge, we develop methods to identify and track gut microbes and their products and develop microbial interventions for better human health.

Michael Crow - In-Q-Tel (Venture Capital Arm CIA)



Profiting Off The Coding Of An Autonomous, Post-Human World



Big Data + State Intelligence

THE UNIVERSITY OF ARIZONA

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ABOUT INSITE

INSITE: CENTER FOR BUSINESS INTELLIGENCE AND ANALYTICS

INSITE: Center for Business Intelligence and Analytics is a big data analytics research center within the Department of Management Information Systems and Eller College of Management at the University of Arizona.

The MIS Department has been a top-five ranked program for over 24 consecutive years. It has successfully generated over \$80 million in research grants and is the home to world renowned research faculty members.

The Center is co-directed by **Sudha Ram** and **Paulo Goes**, and was created to address the ever-growing volume, velocity, and variety of big data being generated by numerous sources including sensors, mobile applications, social media, and web-based platforms.

About Us

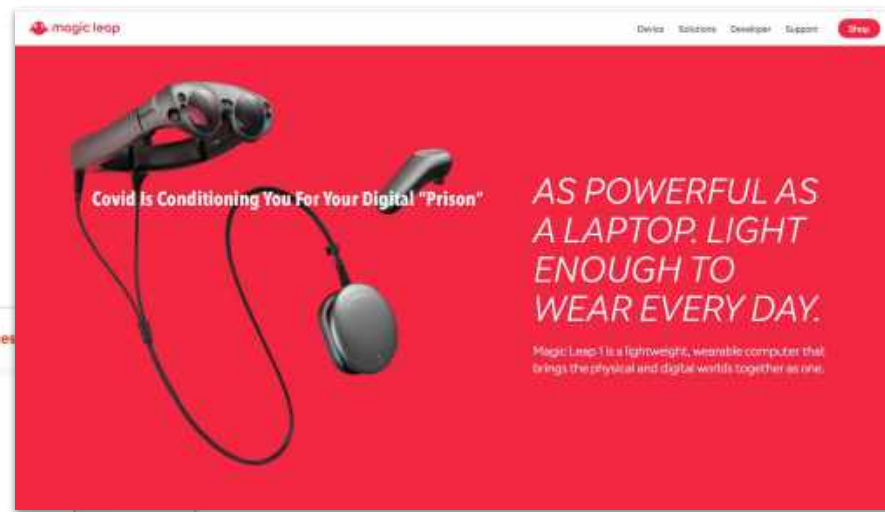
Research

Education

Sponsors

- National Science Foundation
- Amazon Web Services (AWS)
- Critical Path Institute
- Oracle
- Parkland Center for Clinical Innovation
- SANOFI
- The University of Arizona
- U.S. Department of Veterans Affairs
- Arizona Sonora Commission
- Ford Motor Company
- IBM
- MicroAge Lab and US Commons
- ORD (CIA)
- National Aeronautics and Space Administration (NASA)
- National Institutes of Health
- National Institute of Science and Technology
- National Science Foundation (NSF)
- Raytheon Missile Systems
- SAP
- Science Foundation Arizona

Mixed Reality, A Tool Of Five Eyes



What is the purpose of “their game”?

Eugenics towards a post-human era.

Further concentration of wealth and power.

Working Group 1

Discussion

【Concept of MS Goal candidate】

- By 2050, realization of a society in which human beings can be free from their limitations of body, brain, space, and time with harmonious empowerment.



Transhumanism

Japanese cafe uses robots controlled by paralysed people

© 6 December 2018

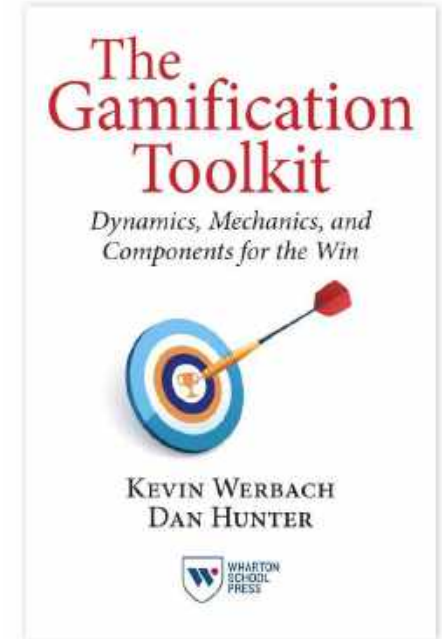
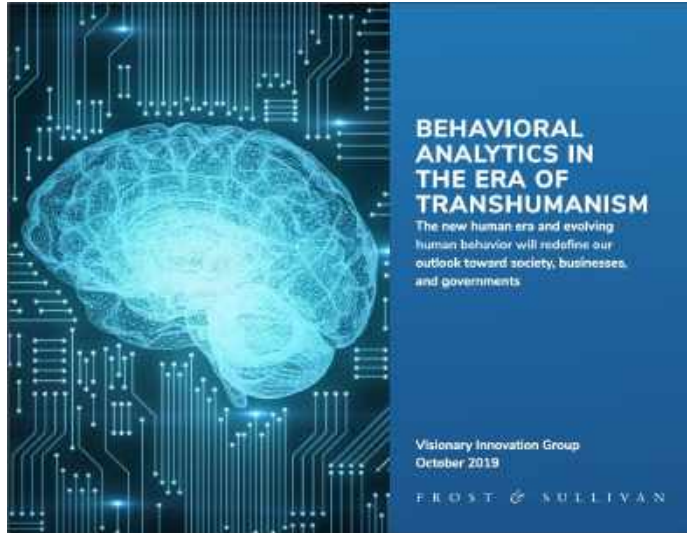


Japan Science and Technology Agency

Moonshot R&D Goal 1

Cyborg Avatar Capitalism

Gamification = Signals Intelligence, Digital Programming



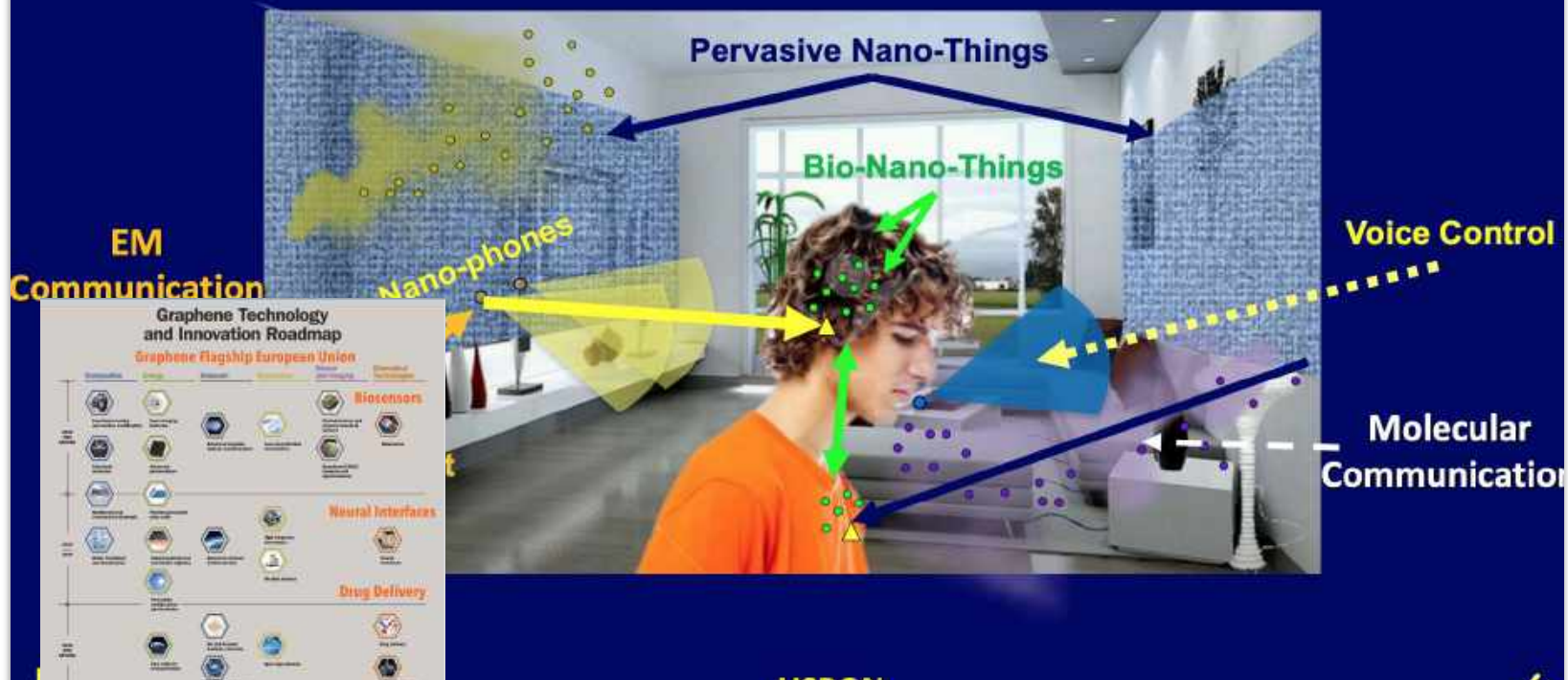


INTERNET OF NANO-THINGS

I.F. Akyildiz and J.M. Jornet,

"The Internet of Nano-Things",

IEEE Wireless Communications Magazine, Dec. 2010.



Arizona Sunshine review: Now with even more zombie slaying madness

Adrian Wiggins, Contributing editor · 20 · 20 May 2018 · Review

1/18



Pocketlint
RECOMMENDED
Price when reviewed
£29.99

Quick verdict

If you enjoy zombies and shooting guns then this is the game for you. A well-crafted rig-raising thrill ride of death and mayhem in Virtual Reality.



Early Apache Warriors and Chiefs



Geronimo (1829-1909) was born in present-day New Mexico at the head waters of the Gila River. Geronimo was the last warrior fighting for the Chiricahua Apache. He became famous for standing against the U.S. Government and for holding out the longest. He was a great spiritual leader and medicine man. Geronimo was highly sought by Apache chiefs for his wisdom. He is said to have had supernatural powers. Geronimo could see the future and walk without creating footprints. He could keep the dawn from rising to protect his people.

Geronimo's final surrender in 1886 was the last significant Apache guerrilla action in the United States. At surrender, his group consisted of only 16 warriors, 12 women, and six children. Following his surrender, Geronimo and 300 of his fellow Chiricahua were shipped to Fort Marion, Florida, and became prisoners of war for 27 years. On February 17, 1909, Geronimo died – unable to return to his homeland. He is buried in the Apache Cemetery in Fort Sill, Oklahoma. His descendants reside on the Mescalero Apache Reservation today.



Gameboard

Smart Cities - Social Impact “Company Towns”

Virtual Worlds

Bodies > Minds - Cells / Frequencies

PUBLIC RELEASE: 22-APR-2010

LUCIFER allows astronomers to watch stars being born

A new instrument for the world's largest optical telescope, the Large Binocular Telescope on Mount Graham, allows astronomers to observe the faintest and most distant objects in the universe.

UNIVERSITY OF ARIZONA



Tucson, Ariz. — Large Binocular Telescope (LBT) partners in the U.S, Germany and Italy announced April 21 that the first of two new innovative near-infrared cameras/spectrographs for the LBT is now available to astronomers for scientific observations at the telescope on Mount Graham in southeastern Arizona.

Sacred Land Film Project

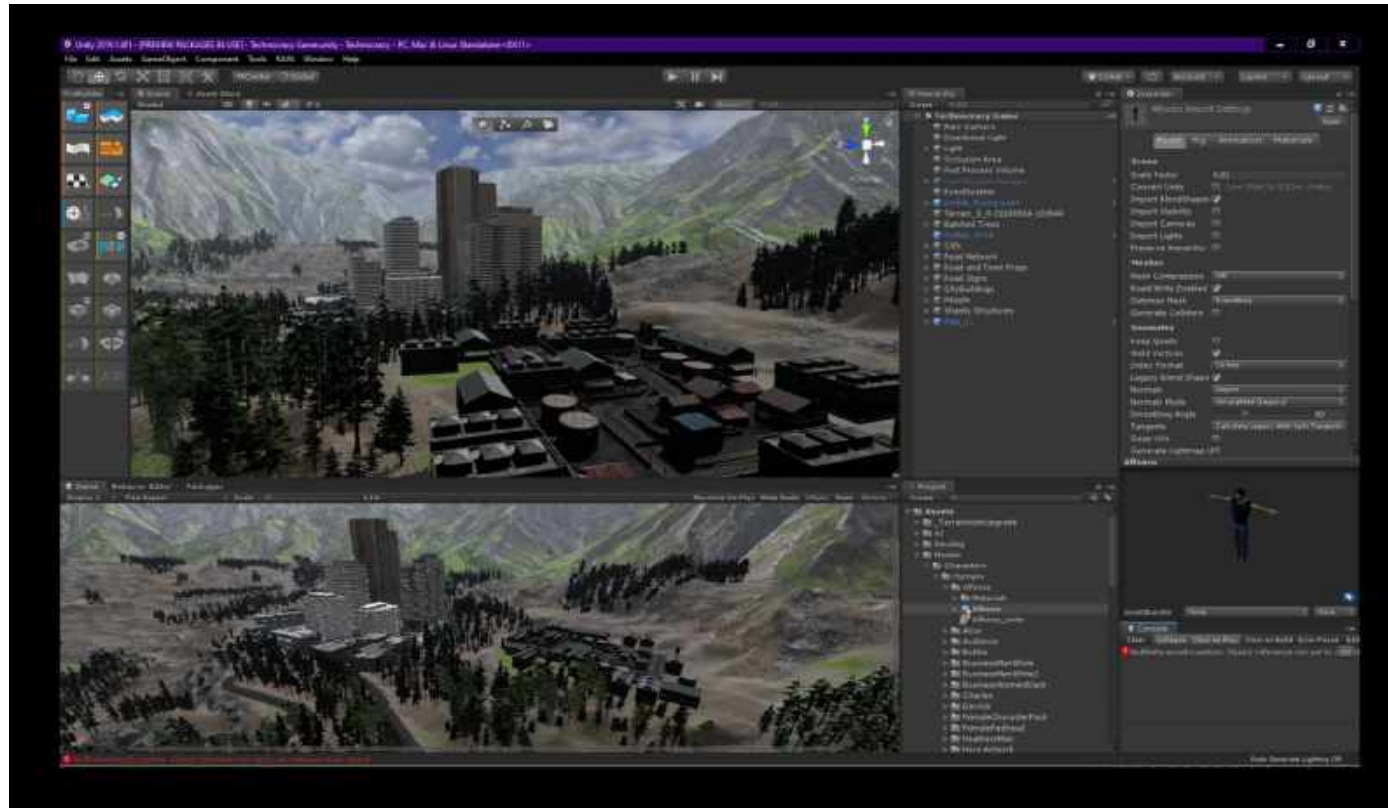
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Franklin Stanley, San Carlos medicine man, in a 1992 declaration.

The Land and Its People

Mount Graham is known to the San Carlos Apache as *Dzil ncha si an*. The mountain is one of several which mark the boundaries of their sacred space. They view the mountain as the embodiment of spiritual energy rather than as a specific "place." The mountain has ancient, undisturbed burials, as well as being a source for medicinal plants and a location for ceremonies. It is also a landscape of enormous biological diversity, home to the endangered Mount Graham red squirrel. The University of Arizona (UA) selected Mount Graham as their choice location for a seven-telescope observatory project in the 1980s. In 1988, they succeeded in getting Congress to attach a rider to the Arizona-Idaho Conservation Act which exempted the first 3 telescopes from any restrictions in the National Environmental Policy Act (NEPA) and the Endangered Species Act (ESA). UA lawyers also argue that they are exempt from the National Historic Preservation Act (NHPA) and any other cultural or environmental law that would apply to them. With the environmental and cultural concerns circumvented, UA proceeded to ignore and discredit the San Carlos Apache's claim to the mountain as a sacred place. The Vatican, which has invested in the project, challenged the sacredness of the mountain based on the lack of structures or objects. The director of the Vatican's Observatory, George Coyne, wrote that efforts to protect Mount Graham consist of "a kind of environmentalism and a religiosity to which I cannot subscribe and which must be suppressed with all the force that we can muster."

Sacred Land To Agenda21 Mega-region Profanity





HSPL: the Hyperspace Programming Language

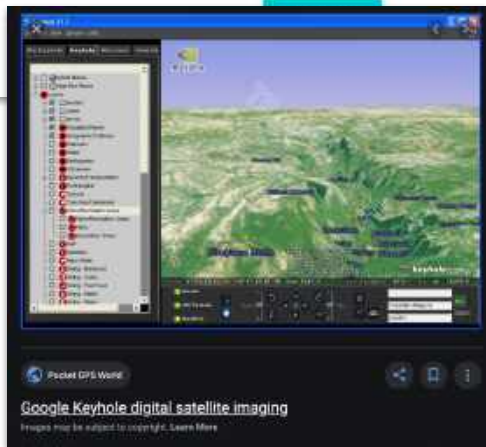
HSPL or Spatial Contracts are “contracts as code”—programmable, automated and self-executing software that removes trade or service agreements from the realm of static documents that require constant human management and instead program them into the spatial interactions themselves so that contracts are executed by the correct action.



HSTP: a universal spatial protocol standard

Similar to how we link content and web pages on the Web today using HTTP, HSTP is the solution for traversing the Spatial Web.

HSTP allows for “hyperporting” of users and Smart Assets between web spaces. “Hyperspace” links can be placed in one webspace that links to any information about anything or to another webspace.





Stan Higgins



Mar 31, 2017 at 11:08 a.m. EDT • Updated Apr 2, 2017 at 10:02 a.m. EDT



A bill in Arizona that recognizes blockchain signatures and smart contracts has officially become state law.

The measure was [first introduced](#) in early February, seeking to enshrine signatures recorded on a [blockchain](#) and smart contracts – self-executing pieces of code – under state law. Specifically, the bill aimed to make those types of records "considered to be in an electronic format and to be an electronic record".

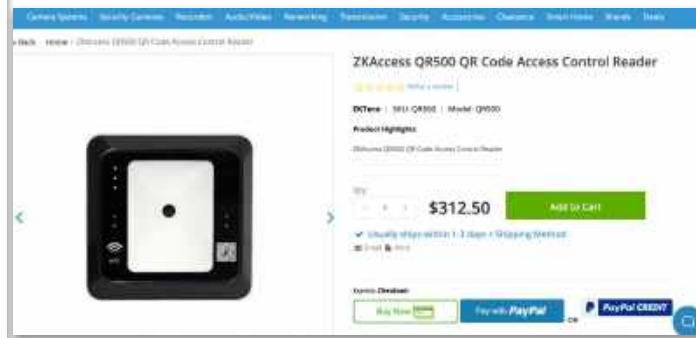
That effort is complete, public records show. Arizona Governor Doug Ducey signed the bill on 29th March, just two days after it was sent by the state's Senate. Senators [cleared the bill](#) on the 23rd by a near-unanimous vote, after Arizona's House of Representatives [advanced the bill](#) in late February.

As previously reported by CoinDesk, the new law focuses on any "record or contract" tied to the tech.

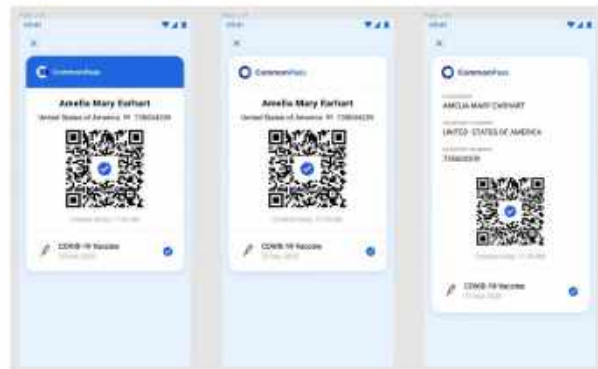
The text states:

"A signature that is secured through blockchain technology is considered to be in electronic form and to be an electronic signature ... A record or contract that is secured through blockchain technology is considered to be in an electronic form and to be an electronic record."

The law mirrors, in some respects, a measure [passed in Vermont](#) last year that would make blockchain data admissible in court. Like the Arizona law, the Vermont bill focused specifically on data that would be a "fact or record" tied to a blockchain.



Microsoft, Oracle and Salesforce join a push for digital vaccination credentials.



A mock-up from the Commons Project of what a digital vaccine credential might look like.

U.S. Army TRADOC G-2 Mad Scientist Megacities and Dense Urban Areas Initiative: Data Collection and Analysis

Approved for Public Release; Distribution Unlimited. Case Number 16-2955.

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David N. Farrell
Dr. Megan Ward

Sponsor: U.S. Army TRADOC G-2
Department No.: J62D
Contract No.: W56KGU-15-C-0010
Project No.: 0716A92D-OE

Document No: MP160330
Location: Hampton, VA



NATIVE PEOPLES OF ARIZONA COMPREHENSIVE MAP OF ARIZONA INDIAN RESERVATIONS

SOURCE:
American Indian Tribes and Communities in Arizona.
<http://www.apa.gov/regions/indian/tribes/tribes.htm>
Arizona Tribal Lands and Reservations
<http://www.apa.gov/regions/indian/tribes/tribes.htm>

James Giordano - Neuroweapons 2014

NeuroS/T Influence and Deterrence Scenarios

Access neural systems/brains to
mitigate/control social violence...
and “protect the polis”



What we can do is provocative...
What we should do (and how we should do
so) remains an issue.

An Update on Bill Gates' New Smart City in Arizona

The billionaire purchased 24,000 acres outside of Buckeye in Arizona and an additional 2,800 acres in Buckeye.

By Kelsi Maree Borland | March 05, 2020 at 04:00 AM



A few years ago, Bill Gates has announced plans to build a smart city outside of Buckeye in Arizona. Through his subsidiary Mt. Lemmon Holdings, the billionaire spent \$80 million to purchase more than 24,000 acres of land with plans to build a smart city, which will include housing, schools, offices and retail. Since the purchase, there has been limited information on the development of the project.

#In November 2017 the media reported that a company associated with Bill

Trending Stories

- 1 **Report: Blackstone Acquiring QTS for \$6.7B**
- 2 **Another Reason Why Wealthy Americans Are Moving**
- 3 **FHFA Extends Eviction Moratorium to September**
- 4 **Katerra's Bankruptcy: Grand Plans And a Tumbling Set of Dominoes**
- 5 **An Abundance Of Liquidity**



THE INTERNET OF BODIES

OPPORTUNITIES, RISKS, AND GOVERNANCE

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SASHA ROMANOSKY | BRYCE DOWNING



The Smart *Internet of Things* School

Personalized learning with adaptive eTextbooks

Digital classroom white boards and display

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Complete coverage with high performance Wi-Fi

Wearables for athletics and attendance tracking

Supplies and inventory tracking by sensor with auto-reorder

Makerspaces with 3D printers and laser blenders

Internet of Things-based HVAC

Monitor and display of air quality throughout school

Sensors track buses and verify student passengers

Sensors in parking lot and driveways

Wi-Fi sensors and locks

- Entrances and exits
- Classroom doors

Surveillance security cameras

Network application analytics to monitor devices and network behavior

Robotics for STEM and remote presence

Augmented and virtual reality

Robot cleaning

Sensors on trash receptacles

Online testing

International Collaboration and social exchange

Student devices & eTextbooks

- Notebooks
- Tablets
- Smartphones

File and program storage, local or cloud-based

- Demographics, academics, behavior, interests
- LMS, CMS, SIS
- Educational programs and applications
- Video files: lectures and recorded lab experiments

Video recorders for lecture capture

Video recorders for lecture capture

The Smart Internet of Things School [6]

This tiny modular home is 325 square feet of IoT heaven

By [Verge Staff](#) | Sep 6, 2017, 9:00am EDT



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[faircompanies.com](#)

Kasita: tiny prefab home-as-a-service for post-land urbanism

612,318 views · Jul 24, 2018



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e-ID - Social Credit

Geo-Fencing - Satellite / Biosensors

Mobility “Solutions”

Bloomberg - Robert Woods Johnson - MyPass - ID2020

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Austin is piloting blockchain to improve homeless services

Danery Critchton
@danerycritchton · 1:27 pm EDT · April 14, 2018



Image Credits: George Ross / Getty Images

While the vagaries of the cryptocurrency markets are keeping crypto traders glued to their CoinDesk graphs, the real potential of blockchain is its capability to solve real human challenges in a decentralized, private, and secure way. Government officials have increasingly investigated how blockchain might solve critical problems. But now one city intends to move forward with an actual implementation.

The city of Austin is piloting a new blockchain platform to improve identity services for its homeless population, as part of a competitive grant awarded by the Mayor's Challenge program sponsored by Bloomberg Philanthropies. Austin was one of 35 cities to be awarded pilot grants, and the top city from that group will ultimately be awarded \$5 million.

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PROJECT

Overview

**MyPass = Blockchain Identity Systems For Unhoused
Austin, TX**
Funded By Bloomberg Philanthropies
Associated with ID2020
Gates + ID2020 = Vaccine Linked Digital ID Program

The MyPass project, funded by the Robert Wood Johnson Foundation Pioneering Ideas in Technology and Health Grant, will create a blockchain-enabled platform that stores, secures, validates, and automatically packages personal documents, facilitating resident access to social and health services especially vital to ending homelessness, such as housing, benefits, and access to medical care.

During the one year grant period, the project team will work with clients and service providers to develop and test a minimum viable product for a blockchain-based digital platform (MyPass) that will allow people experiencing homelessness to securely and permanently store, validate, and automatically package and submit information needed to access health and social services.

Digital documents will be linked to an account accessible on any device, and a client will always retain complete ownership of personal information, even after no longer being homeless or after receiving care from providers, and will be able to remove any reference to personal data from the blockchain platform at any time.

MyPass is intended to empower clients with their own history, enable self-advocacy, and catalyze client-centered care.

f. Universal beneficiary ID (UBID)

The AIMS protocol implements a secure, self-sovereign⁷⁶ identity management system ("Secure ID") for beneficiaries, which allows social organisations to keep track of the people they are serving, and to give beneficiaries a proper voice in how their project is managed. It also gives funders reassurance that projects are supporting real people, and allows different social organisations that are serving the same beneficiaries to collaborate more effectively, while ensuring that each beneficiary's privacy is fully protected.

Tech policy / Privacy

Seven EU countries just got a digital vaccine passport

by Charlotte Jee

June 2, 2021

The news: The European Union's digital vaccine passport system went live in seven countries yesterday, ahead of a full launch for all 27 member states on July 1. The document, called a digital green certificate, shows whether someone has been fully vaccinated against covid-19, recovered from the virus, or tested negative within the last 72 hours. Travelers who can prove they fit one of these three criteria are not required to be tested or go into quarantine. The certificate is now being accepted in Bulgaria, Croatia, the Czech Republic, Denmark, Germany, Greece, and Poland.

How it works: The certificate comes in the form of a QR code, which can be either stored on a cell phone or printed out on paper. The data is not

The image shows the top portion of the Idemia website. The header is dark purple with the Idemia logo on the left and navigation links for 'ENTERPRISE SOLUTIONS' and 'GOVERNMENT SOLUTIONS' on the right. Below the header is a hero section with a background image of a person's face partially obscured by a grid pattern. The text 'We stand for Augmented Identity' is centered in the hero section.

Enhanced, adaptable, strengthened and self-sovereign identity that creates a safer world for everyone.

Not long ago, we experienced a new wave of technology that drastically changed our world. Today, the pace of change quickens with each passing moment. We're shifting from an ownership economy to a services economy, switching from physical documents to electronic ones, moving from in-person to online – all developments that generate a spike in exchanges and new business models involving new sectors, new players, new issues and new threats. Information now travels rapidly around the digitized world, defying boundaries and breaching the traditional codes of security.

Orange / Smart Key Blockchain Pilot



Gamified Behavior - Mobility “Solutions”

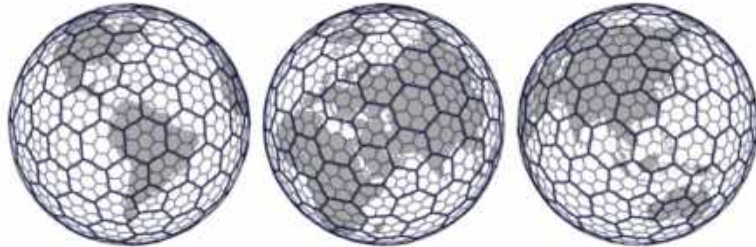
Uber Engineering

Open Source

Open Source

H3: Uber’s Hexagonal Hierarchical Spatial Index

Isaac Brodsky



These 7 Arizona companies are quietly leading in space exploration and commercialization



A World View balloon would take a capsule to 100,000 feet before releasing it.



By Eric Miller – Contributing writer
Jun 21, 2016, 4:53pm EDT

Harvard
Business
Review

Economics & Society | A Covid-19 Vaccine Will Need Equitable, Global Distribution

Leveraging data to predict behavior. We need to understand risk of transmission at the hyperlocal level and the likelihood of adherence for specific geographies and sub-populations. In settings with limited individual-level health data, we will need to leverage available sources. For example artificial intelligence company [Macro-Eyes](#) uses satellite imagery, digital conversations, and publicly available data to predict with 76% accuracy which child will drop out of routine immunization programs.

Waymo will allow more people to ride in its fully driverless vehicles in Phoenix

The company aims to have '100 percent' of its trips take place in driverless vehicles

By [Andrew J. Hawkins](#) | [@andyjayhawk](#) | Oct 8, 2020, 12:56pm EDT



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Cities in China are Using Blockchain to Track Parolees

At least two Chinese cities are using blockchain technology to track offenders on parole, CCN has learned. In the city of Foshan, a report from May indicates that officials would like to deck their system out with bracelets similar to those issued in western countries.

F. H. Madore @billmadore



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Quietly Crumbles

Coronavirus Crushes China's Economy
But the Worst Is Yet to Come



Gobee.bike QR Code Scan

ADVANCED MOBILITY COLLECTIVE



The [Advanced Mobility Collective](#) is a nonprofit global community of business, technology, government and research partners bringing new mobility services to life. The community is a catalyst for innovation and economic development for connected and autonomous vehicles in the air and on the ground.

The convergence of 5G wireless connectivity and massive data from the Internet of Things merged with connected air and ground vehicles evolving into smart machines is enabling innovation. Transportation of people and cargo breaks into the third dimension. The evolution, dubbed as the Fourth Industrial Revolution, will transform every aspect of the economy in ways similar to the unleashing of the Internet in the 1990s.



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- [AMC Launches for Autonomous Vehicle Innovation](#)
- [NASA Vet Joins AMC](#)

How is the game powered?

Piezo Electric Energy Harvest

Piezo Electric Human Energy Harvest

Parasitic Power Harvesting in Shoes

John Kymissis
johnkym@media.mit.edu

Clyde Kendall
jakek@mit.edu

Joseph Paradiso
joep@media.mit.edu

Neil Gershenfeld
gersh@media.mit.edu

Physics and Media Group
MIT Media Laboratory E15-410
Cambridge, MA. 02139 USA

Abstract

As the power requirements for microelectronics continue decreasing, environmental energy sources can begin to replace batteries in certain wearable subsystems. In this spirit, this paper examines three different devices that can be built into a shoe, (where excess energy is readily harvested) and used for generating electrical power "parasitically" while walking. Two of these are piezoelectric in nature: a unimorph strip made from piezoceramic composite material and a stave made from a multilayer laminate of PVDF foil. The third is a shoe-mounted rotary magnetic generator. Test results are given for these systems, their relative merits and compromises are discussed, and suggestions are proposed for improvements and potential applications in wearable systems. As a self-powered application example, a system had been built around the piezoelectric shoes that periodically broadcasts a digital RFID as the wearer walks.

1: Introduction

As wearable electronic devices evolve and proliferate, there will be a growing need for more power delivery to distributed points around the human body. Today, much of that storage is provided by batteries and power delivery is via wires. The current approach in power distribution is clearly becoming problematic — as more appliances are

system to date has served all of the needs of wearable computing—light weight, minimum effort, high power generation, convenient power delivery, and good power regulation. We believe that our approach has the potential to solve these problems for a class of wearable devices by placing both the generator and powered electronics in a location where considerable energy is easily available, namely the shoe.

In previous studies [5], it has been calculated that up to 67 Wams of power are available from heel strikes during a brisk walk (68 kg person, 2 steps/sec, heel moving 5 cm). This level of power extraction from walking would certainly interfere greatly with one's gait. Our philosophy, in contrast, has been to try to generate power entirely parasitically, that is through mechanisms that capture and make use of energy normally dissipated wastefully into the environment. There is much less energy of this type than available through deliberate means of harvesting human power (e.g. through a hand crank or foot pedal), but it is our goal to unobtrusively collect energy for low-power applications. We have approached this problem by using the energy from the weight transfer during a step to perform useful work.

2: Background Information

Smart shirt for indication and detection of respiratory infections such as COVID-19

Reference number	2020-02896
Coordinator	Högskolan i Borås - Science Park Borås
Funding from Vinnova	SEK 150 000
Project duration	July 2020 - December 2020
Status	Ongoing

Purpose and goal

The aim is to develop a prototype of a Smart-shirt that can be worn by people who want support in monitoring their own symptoms at risk of COVID-19 infection. This project can also be seen as the first step in a collaboration between Smart Textiles, the Swedish School of Textiles, Chalmers University of Technology, Stanford University and Stanford Hospital. The goal is to establish the consortium, start an international cooperation and take a first step in a concept development.

Human Energy Harvest To Power The Spatial Web



Calcite microcrystals in the pineal gland of the human brain: second harmonic generators and possible piezoelectric transducers

Publisher: IEEE

Cite This

PDF



S. Baconnier ; S.B. Lan [All Authors](#)

93
Full
Text Views



Abstract

Document Sections

- » Introduction
- » Results
- » Discussion

Authors

Figures

References

Keywords

Metrics

Abstract:

A new form of biomineralization has been studied in the pineal gland of the human brain. It consists of small crystals that are less than 20 μm in length and that are completely distinct from the often-observed mulberry-type hydroxyapatite concretions. Energy dispersive spectroscopy, selected-area electron diffraction and near infrared Raman spectroscopy established that the crystals were calcite. With the exception of the otoconia structure of the inner ear, this is the only known non-pathological occurrence of calcite in the human body. The calcite microcrystals are believed to be responsible for the previously observed second harmonic generation (SHG) in pineal tissue sections. There is a strong possibility that the complex twinned structure of the crystals may lower their symmetry and permit the existence of a piezoelectric effect.

Published in: [Proceedings, 11th International Symposium on Electrets](#)

Date of Conference: 3-3 Oct. 2002

INSPEC Accession Number: 7561502

Date Added to IEEE Xplore: 10 December 2002

DOI: [10.1109/ISE.2002.1043030](#)

Print ISBN: 0-7803-7560-2

Publisher: IEEE

Conference Location: Melbourne, VIC, Australia

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Hunger in Los Angeles - Immersive Journalism

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International Trade and Investment

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Future of Economic Progress

Globalization 4.0 – what does it mean?



Image: REUTERS/Carlo Allegri



Centre for the Fourth Industrial Revolution Network: Global hubs for public-private collaboration and impact

The Centre for the Fourth Industrial Revolution Network's vision is to help shape the development and application of emerging technologies, such as AI and blockchain, for the benefit of humanity.

Headquartered in San Francisco, the Centre for the Fourth Industrial Revolution Network launched new hubs in China, India and Japan in 2018. In addition to these Forum-led centres, the network is establishing

OUR VISION OF THE FUTURE: Arizona is a top-ten life science state.

OUR MISSION: AZBio supports the needs of Arizona's growing life science ecosystem.

Arizona's bioscience industry is growing rapidly and reached nearly 30,000 jobs spanning 2,160 business establishments in 2018. Industry employment has grown by 15 percent since 2016—twice the growth rate of the nation—with each of the five major subsectors adding jobs during the period. Arizona's universities conducted nearly \$580 million in R&D activities in bioscience-related fields in 2018, fueled in part by steadily increasing NIH awards to Arizona institutions since 2016. Venture capital investments in Arizona bioscience companies increased in 2019, and during the 2016-19 period totaled \$349 million. Arizona inventors have been awarded 2,178 bioscience-related patents since 2016, among the second quintile of states in patent activity.

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OCTOBER 21, 1987

Competitiveness and the American Worker

The subcommittee heard testimony on the competitiveness and quality of the American work force, focusing on how government, schools and business can prepare workers for the workplace of the 21st century.



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ROADMAP FOR GROWTH

EXPLORING BUSINESS ENGAGEMENT IN PHILADELPHIA'S SCHOOLS

Headings for the event, local

Recent legislative enactment, a growing number of companies are lowering its support level to look through their schools. These jobs for the partnerships are paying support, but school-based models that are expanding throughout Philadelphia.

Host from Chamber members of a panel looking for ways to complement financial literacy, professional development, and other skill-building programs to some of Philadelphia's most disadvantaged high schools. Learn how you can connect and apply your business' expertise to meet the needs of local schools and families.

Featured Speaker:
Olin Markham, Chief Education Officer, City of Philadelphia

Partner Presentations

TIME & PLACE
5:00 PM - 5:30 PM
Registration
5:30 PM - 7:00 PM
Program

Event & College
Six South College Avenue
Philadelphia, PA 19103

TICKETS:
Ticket / \$1000

Pay for Success: How Emerging Finance Tools Are Supporting Workforce Development



2019 Federal Reserve System

By Jeanne Milliken Bonds

Federal Reserve Bank of Richmond





Building a Better Community by Uniting People, Ideas, and Resources

United Way is devoting itself to disrupting the cycle of poverty throughout Tucson and Southern Arizona. To do so together, we are building education from cradle to career, providing financial stability for families, and improving the overall health of our community. For every \$1 invested in United Way's Collective Impact Fund, a \$5 return is leveraged from partnerships, grants and community support.

Partnership With United Way

TUCSON UNIFIED SCHOOL DISTRICT

United Way's focused work includes Health, Income, and Education - the building blocks of a good life. TUSD and the families and children in the District are key community partners with United Way and benefit from our working together to change lives. Click on the links below to learn more.

[UWTSA and TUSD Community Impact](#)

[UWTSA and TUSD Partnership Highlights](#)

Collective Impact Fund

Collective Impact funds are used where the need is greatest, in a way that's most useful. Your investment in these funds support our three target areas:

- **Education** Help children and young adults reach their full potential
- **Financial Stability** Help families reach financial independence
- **Healthy Communities** Help improve the health and well-being of all

You can choose to give to the Collective Impact Fund or direct your support to one of our target areas. [Click here](#) to learn more about the organizations supported by the Collective Impact Fund.

Solutions Journalism To Sell Poverty Management



Broadcast Digital Management Better Practices Changing Weather

BROADCAST

A new research study puts solutions journalism to the test

Is this an opportunity to create a new 'tentpole' for local TV news?

By Andrew Heyward, Knight Senior Researcher in TV News Innovation at Walter Cronkite School of Journalism | Thursday, Nov. 19, 2020



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Walter Cronkite
School of Journalism
and Mass Communication
Arizona State University

The Knight-Cronkite News Lab is a joint effort between the John S. and James L. Knight Foundation and the Walter Cronkite School of Journalism and Mass Communication at Arizona State University.

What We Do

JOURNALISM

**Knight Foundation announces new support
to strengthen digital platforms in
newsrooms across the country**

PUBLISHED JUNE 22, 2020 BY KNIGHT FOUNDATION

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= Newspaper
Money / Now IoT**

- **TucsonSentinel.com**, Tucson, Ariz. (ExpressionEngine)
TucsonSentinel.com reports in-depth stories about politics and public policy in Southern Arizona, focusing on the unique cultural and social interactions in the borderlands. With an emphasis on immigration, the environment and local investigations, its award-winning journalism holds the powerful to account and gives voice to stories that otherwise go untold.

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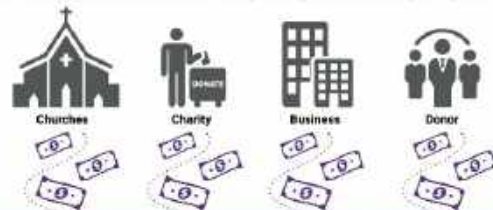
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COMMUNITY CARE SYSTEM

1 DONOR MONEY

Churches, individuals, charities, and businesses put money into the community care system.



THE BLOCKCHAIN APPLICATION

2 MONEY DISTRIBUTION

Donor money enters into a smart contract, which automatically calculates and disburses the funds to program participants.



3 EXTRA FUNDS

The blockchain application stores any excess funds to cover operating costs or future shortfalls.



4 FUND MATCHING

Any person or organization can donate directly to an individual participant, and a smart contract will automatically increase the amount received (up to a set maximum monthly amount).

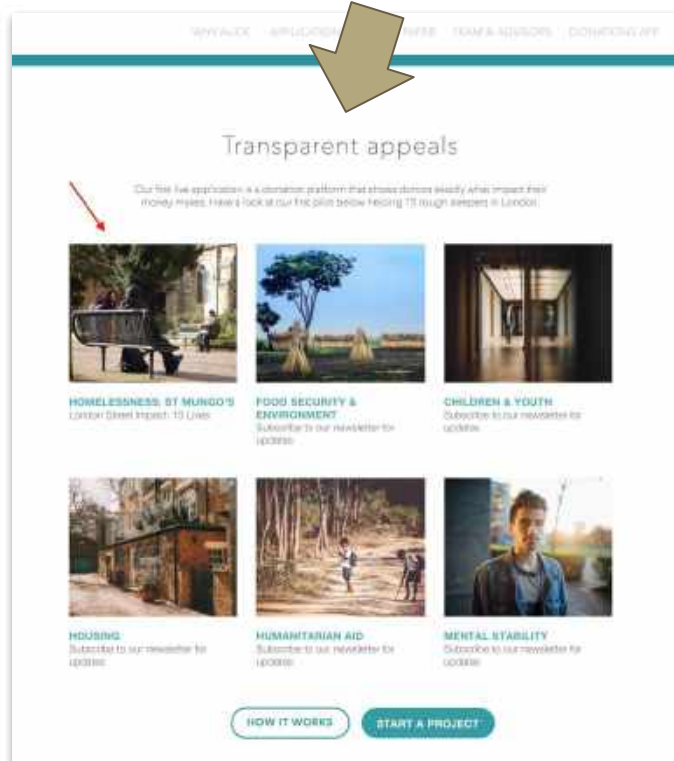
- A** 20% match: Give \$1.00, participant gets \$1.20
- B** 50% match: Give \$1.00, participant gets \$1.50
- C** Match rates can vary by program needs

5 THIS FRAMEWORK ENCOURAGES



6 DIGITAL WALLET

Every month, the blockchain application dispenses tokens into each participant's digital wallet.



The Alice donations protocol implements a "payment by results" system, whereby social organisations only receive money from donors if they can prove that their project has achieved its goals. If they fail to do so, donors receive a refund. Graphically, the system can be represented as follows:

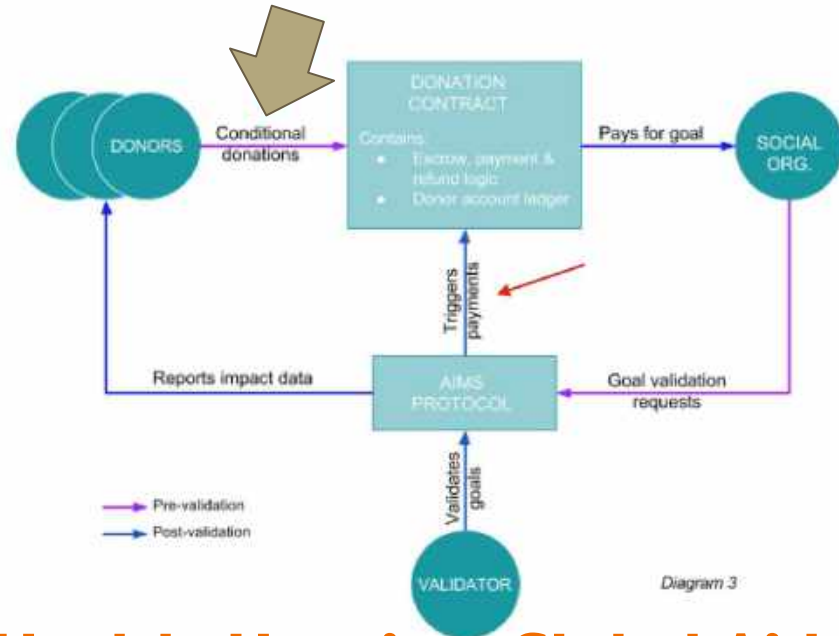



Diagram 3

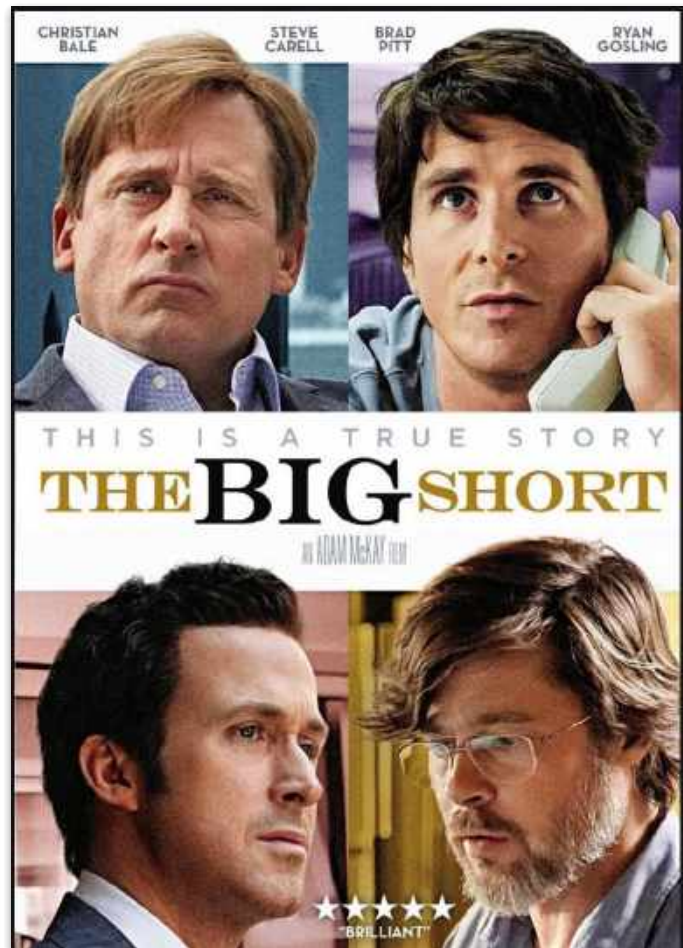
Children, Housing, Mental Health, Housing, Global Aid

Conditional donations: core incentive mechanism

Alice.si - Investing In The Poor On Blockchain



- 
- Trading phase: investors are free to sell on their coupon tokens at any time on the network's secondary exchange market, powered by a series of "trading" contracts. This is meant to provide liquidity to investments, given the well-documented dearth of clear exit events in the social impact sector, and makes it easier for investors to fit projects within their investment horizons. Trades are facilitated by the fact that any prospective buyer has absolute transparency over how a bond has performed to date, in both impact and financial terms. Once a coupon has been transferred by the selling investor, payment flows are automatically rerouted to the buying investor.





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The Vatican Advanced Technology Telescope

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THE TELESCOPE
& Instruments

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What to Watch this Week: The Second Vatican Conference on Impact Investing

Since 2014, Catholic Impact Investing has grown into a mainstream player in the space.



Doctrine of Discovery Redux: The Vatican's Plans For Impact Investing.

POSTED ON JUNE 21, 2017 BY WRITERS/RETHINKERS

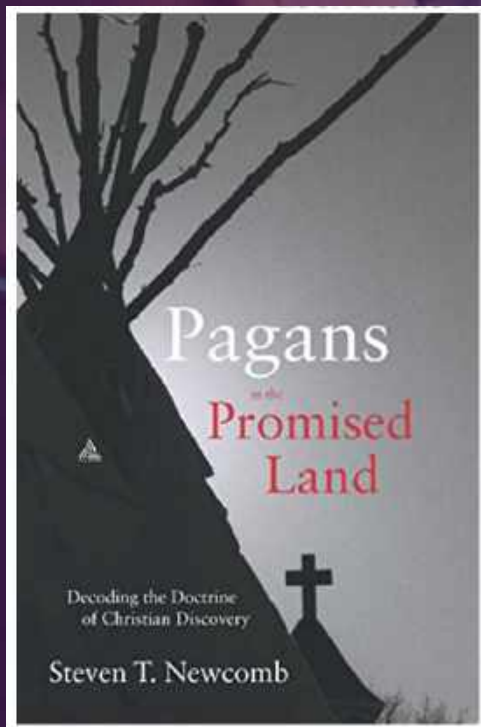


9 Impact Investing in the Light of Evangelii Gaudium: Sr. Helen J. Alford

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Apple to Zions

Ensign Peak Advisors itself is far larger and more diversified than any of those smaller funds, the Feb. 14 filing shows. About \$3 billion of the Ensign Peak Advisors stock holdings — or 7% of the value reported in the filing — was almost evenly split between Apple and Microsoft stock.

Ensign Peak Advisors Stock ... by The Salt Lake Tribune on Scribd

The Church of Jesus Christ of Latter-day Saints' Ensign Peak Advisors manages nearly \$38 billion in stock. Here are those holdings according to a recent SEC filing.

Source: Ensign Peak's filing with the Securities and Exchange Commission

Stock	Value
Apple Inc	\$1,574,498,000
Microsoft Corp	\$1,496,120,000
Google Inc	\$930,020,000
Amazon.com Inc	\$855,534,000
Johnson & Johnson	\$645,924,000
Intel Corp	\$604,282,000
Facebook Inc	\$537,903,000
Visa Inc	\$532,653,000
JPMorgan Chase & Co	\$486,018,000
UnitedHealth Group Inc	\$471,534,000
Merck & Co Inc	\$418,963,000
Berkshire Hathaway Inc	\$418,386,000
Walt Disney Co/The	\$384,017,000
Chevron Corp	\$381,260,000
Home Depot Inc/The	\$369,978,000
Stryker Corp	\$348,720,000
Thermo Fisher Scientific Inc	\$343,760,000
Abbott Laboratories	\$335,744,000
Danaher Corp	\$325,424,000



Players

Targeted Individuals - e Citizens - Working Poor

Displaced People - Climate / Economic Refugees

Non-Playable Characters - Includes Non-Humans



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GOVERNMENT SOLUTIONS

FINANCIAL
INSTITUTIONS

MOBILE
OPERATORS

BIOMETRIC
DEVICES &
AUTOMOTIVE

PUBLIC SECURITY &
IDENTITY

IDENTITY &
SECURITY, N.A.

EN



IDEMIA Brings Mobile ID Technology to Arizona

Digital ID technology adds security and ease to identity management

Digital Drivers License - Centaur

IDEMIA today launched a Mobile ID offering for Arizona in partnership with the Arizona Department of Transportation Motor Vehicle Division (ADOT). Mobile ID allows Arizona residents to carry a digital version of their driver's license or other state-issued ID in an app on their smartphone. The mID builds off the strength of the Motor Vehicle Division (MVD) enrollment process while adding layers of fraud protection. Mobile ID data is only stored with the MVD system of record and in the mID app on the resident's phone. The app also takes steps to protect information during age-verified transactions by allowing users to prove their age without sharing unnecessary information such as an address.

Digital Twin - Love That Which Is Not Alive

Level up your virtual experience with selfie-based avatars that people love and emotionally connect with.

Our 3D avatars come in many different styles with a large content library for Unity, Unreal or web.



Managing The Working Poor - UBI Strings Attached



What are your questions about introducing and implementing a culture of collaborative improvement?

Guest blog post by [Cradle to Career Partnership](#), one of six Cradle to Career Network members participating in the StriveTogether [Prenatal to Age 3 Impact and Improvement Network](#), done in partnership with the National Institute for Children's Health Quality. The team from Tucson includes family support and home visitation staff from [Casa de los Niños'](#) Parents as Teachers and [Child & Family Resources'](#) Healthy Families programs, as well as [United Way of Tucson and Southern Arizona](#) backbone staff from the Cradle to Career Partnership.

Targeted Individuals And Gig Economy Gangstalking?

Harassment techniques include:

1. Surveillance (being followed, electronic surveillance, computer and phone hacking, monitoring all online activities, and bugging of home)
2. Profiles are built to identify any and all weaknesses and insecurities to be used later. Information often obtained through sexual partners or trusted people in their lives.
3. Conditioning where victims are sensitised to certain stimuli such as everywhere you go someone will cough as they walk past you. The goal is to make you self police and then think anyone who coughs is involved in the harassment. People report of conditioning to include hand gestures, an overt use of colour in peoples clothing (like everyone you see wearing red) or cars a certain colour or with headlights on (also known as brighting).
4. Anchoring where someone will provide false rationales for the harassment. Often many possible rationales are planted to keep the victim confused and the focus of the harassment cycles from one possible reason to another round and around so as to keep the victim guessing in a self perpetuating guessing game where every scenario you are to blame and causes self doubt, fear, intimidation, and ultimately a cycle of destructive thoughts
5. Mobbing (or true gangstalking) where everywhere you go you will see an overt display of people following you and often use words you have been conditioned to or your name to draw your attention
6. Street theatre where a group will "perform" an overt activity like a fake confrontation or scenarios designed to test your reactions. Often takes the form of a couple who position themselves near you and then have a conversation using many of your conditioned words or pertaining to your particular situation and sensitivities.



Some final thoughts . . . Most important to understand is that **bio-nanointerfaces intended for vaccine and drug delivery** integrate "smart" **piezoelectric** materials and **microfluidics**, seemingly allowing for the enhanced binding of biosensors, as well as enabling highly functional **bio-computation**. Consequences of this synergistic effect may involve the creation of a homogenous ecosystem in which the **implanted biosensors** in my body will signal as **piezoelectric transducers** to biosensors in your body, to create a **hive mind**. This may evoke in the minds of readers the process akin to the way **self-driving cars communicate via the Internet of Things**. I can't help but think of a brief, yet profound assertion by David Rasnick, Ph.D., when collaborating on the panel discussion of experts, **"The Covid Vaccine on Trial: If You Only Knew"** (transcript provided), hosted on February 10, 2021 by Children's Health Defense (CHD). Rasnick stated, *"Nowadays, it's all technology and no biology."*

AI Managing Task Rabbit Encounters?

Technocracy Game Pt 11: Melee Attack

By bantamjoe

March 15, 2021

No Comments

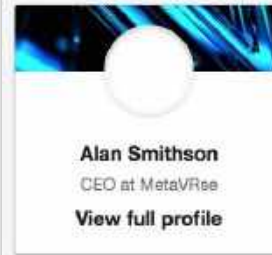
Sticky post



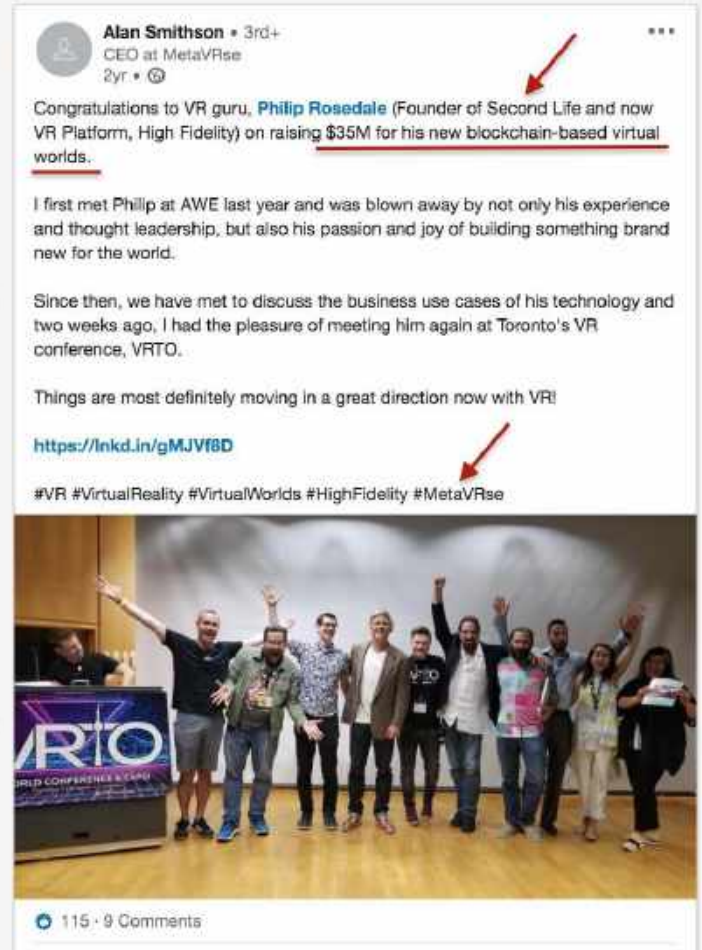
Quality Of Life Depends On What's In Your Blockchain Wallet



Trackable Sign-On



Links Real Life And Second Life

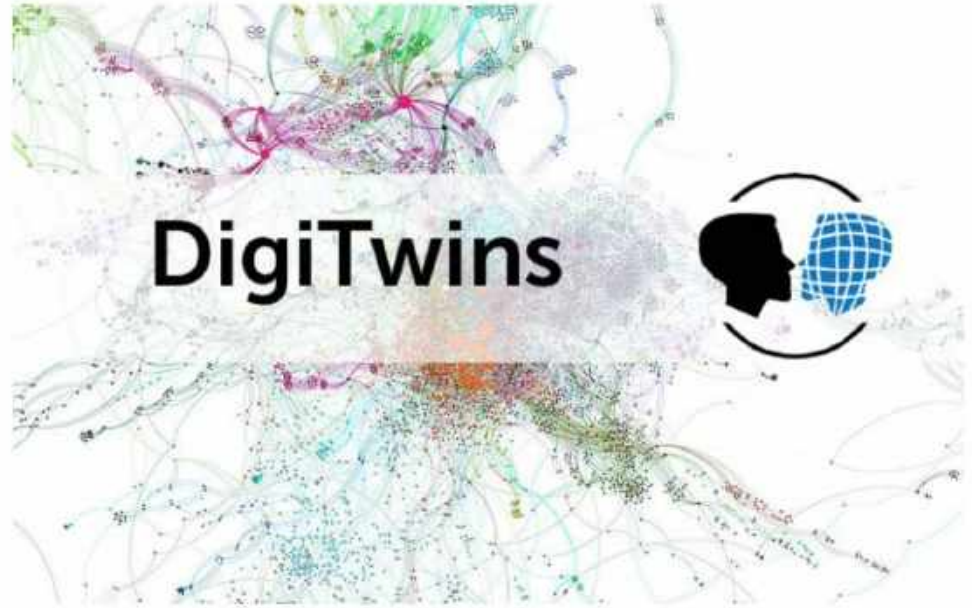


Sold As Personalized Medicine - Profiling

THE FUTURE OF HEALTH



Innovation is hard. Healthcare is the hardest industry of all. We chose to build macro-eyes because we have a vision for the future. The only way we know to see that future is to build it.



DigiTwins, a large research initiative in Europe and beyond, aims to revolutionise healthcare and biomedical research for the benefit of citizens and society through the creation of digital twins.

Global Edition

Blockchain use case: Electronic health records

Could distributed ledger technology offer the promise of real-time EHR updates, seamless interoperability and protection from ransomware?

By Mike Milward | December 14, 2018 | 02:01 PM



3. Medicaid and Pay for Success

The Affordable Care Act's emphasis on cost-effectiveness, pay for performance, continuous quality improvement and policy innovation extends to Medicaid; many states are transforming their Medicaid systems by organizing and paying for health care differently. In the last five years, Medicaid at the federal level has strongly encouraged state Medicaid programs to employ alternative payment methodologies that reward value over volume. The Medicare and Medicaid Innovation Center created by the Affordable Care Act is assisting states in testing delivery system innovations supported by payment reforms, and the Center for Medicaid and CHIP Services (CMCS) has encouraged states to use existing or newly proposed Medicaid authorities to advance value-based purchasing and integrated care models. Given that Medicaid accounts for one out of every six dollars spent on health care in the United States and insures 19.6 percent of the population,³ this change has the potential to be an important development for PFS and its advocates.

Potential roles for Medicaid in PFS projects

Pay For Success

Given its role in the U.S. health care system, and the fact that some of the savings from a health-related PFS project are likely to accrue to Medicaid by averting costly inpatient hospitalizations, emergency department visits, and nursing home stays, it is not surprising that all discussants remarked on the importance of Medicaid when exploring PFS projects.

hypertrust
PATIENT DATA CARE

Solution Services

Importance of Blockchain Technology in the Cellular Therapy Process (Part I)

Andreas Göbel • Jan 02, 2018

Cell Therapies on Health People Tracked On Blockchain EHR

Rules

Smart Contracts In The Spatial Web

Tokenized Behavior - Coded Nudges - Mother May I?

United Nations Sustainable Development Goals

1 Article

2 **Blockchain: An Assessment of its Potential and** 3 **Challenges in Addressing Sustainability Issues**

4 Maximiliano Romo ^{1,*}, Rob Melnick ², Dragan Boscovic ³ and Andrew Maynard ⁴

5 ¹ School of Sustainability, Arizona State University; mromomar@asu.edu

6 ² School of Sustainability, Arizona State University; Rob.Melnick@asu.edu

7 ³ School of Computing, Informatics, and Decision Systems Engineering, Arizona State University;
8 dboscovi@asu.edu

9 ⁴ School for the Future of Innovation in Society, Arizona State University; amaynard2@asu.edu

10 * Correspondence: mromomar@asu.edu

11 Received: date; Accepted: date; Published: date

12 **Abstract:** Blockchain, the technology behind the worldwide-known cryptocurrency Bitcoin, offers a
13 new set of potential advantages and opportunities that various industries and institutions could use
14 to enhance their processes. Although most research and development on blockchain has focused on
15 applications for cryptocurrencies and the finance industry, relatively few analyses and assessments
16 have been conducted on how it could provide tools to address social and environmental issues. This
17 research, using interviews, literature review and examples of blockchain applications, explores how
18 this technology can be employed to address sustainability issues under the framework of three UN
19 Sustainable Development Goals: 2. Zero Hunger, 7. Affordable and Clean Energy, and 14. Life
20 Below Water. The analysis shows that blockchain has the potential to support solutions to
21 sustainability problems that need efficient traceability, trust, a unique ID, transparency, or a highly
22 secure payment system. However, the technology should not be mistaken for a panacea for
23 addressing sustainability issues in its current state because it is not yet mature and has not been
24 sufficiently tested. Expansion of blockchain as an effective tool for helping solve sustainability
25 challenges will require a greater understanding of the governance of blockchain, its scalability and
26 its potential unintended consequences for the technology to become properly integrated into the
27 decision-making progress.

28 **Keywords:** sustainability; blockchain; SDGs; Bitcoin; commonalities; challenges

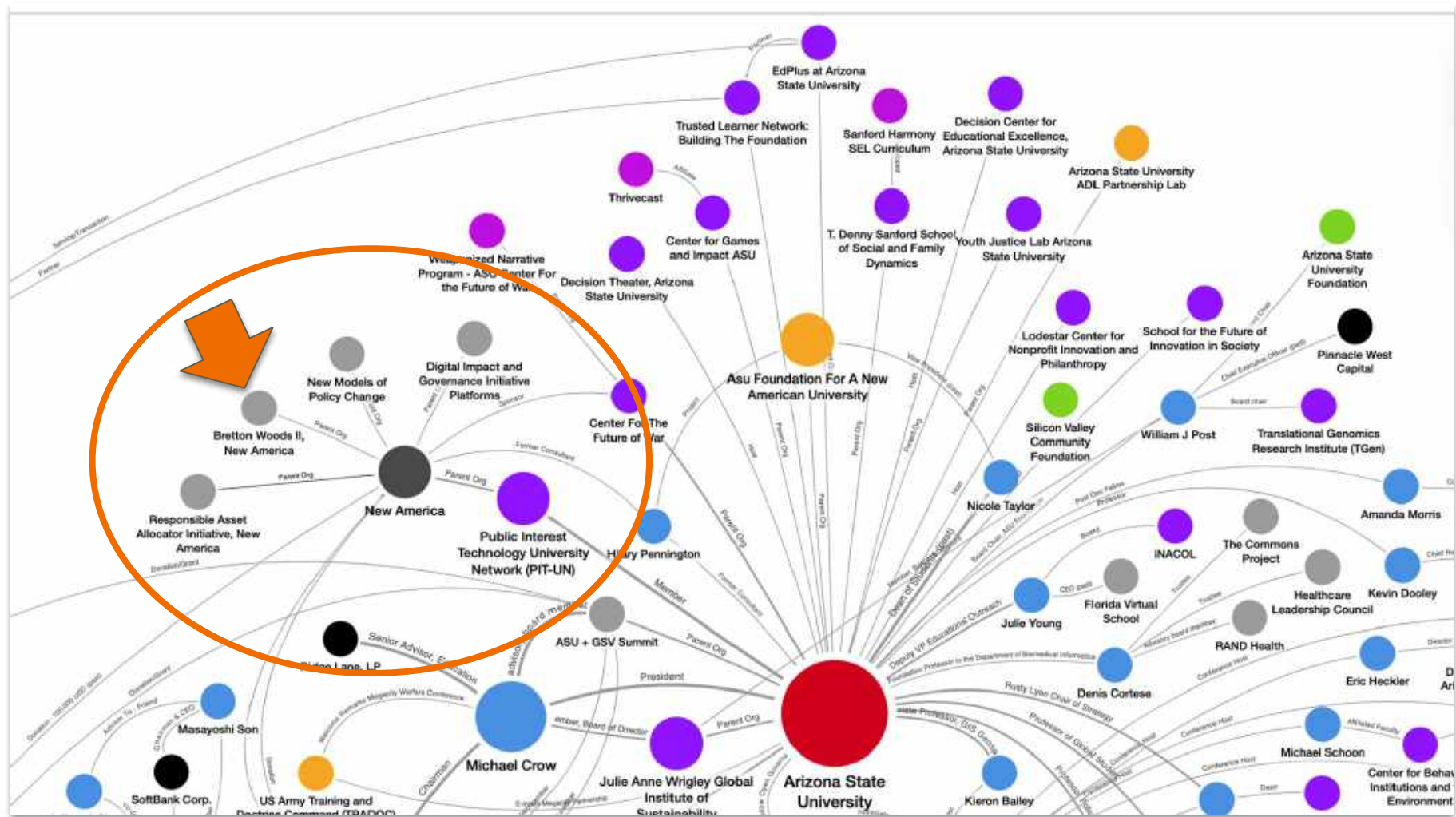
29

30



The European Commission's decision to award a contract to BlackRock Investment Management to carry out a study on integrating environmental, social and governance (ESG) objectives into EU banking rules

CASE 853/2020/KR - OPENED ON Wednesday | 20 May 2020 - **DECISION ON** Monday | 23 November 2020 - **INSTITUTION CONCERNED** European Commission (No maladministration found)



Harmonized Digital Citizen - What Works Government





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Estonia is the first country to offer e-Residency, a government-issued digital identity and status that provides entrepreneurs with access to Estonia's transparent digital business environment.



That leads me to ask if there is still a need for physical countries with borders at all? I mean, we already have bitcoin as an independent virtual currency, and different services that don't comply with traditional governmental regulations.

Data-Driven Government - Automated Smart Cities

What Works City Feature: Mesa, AZ

DATA AND EVIDENCE AS THE BUILDING BLOCKS IN THE FOUNDATION OF THE NEW NEXTMESA



Setting the Stage

Mesa, why? Mesa joined the effort promising to build the "NextMesa." As the third largest city in Arizona, Mesa City was committed to enhance the economic and cultural life of the East Valley. Over the past several years, and recently under Mayor Gabi Berkeley, Mesa experienced a renaissance and a lot of growth from the urban landscape transformation and investments that put it on the map. With these recent changes in landscape that included the opening of a new light rail station, a cultural arts center in downtown Mesa, the building of a new spring training facility, and the opening of a new city center, the stage has been set for a new Mesa. As a regional leader, understanding the role city is in a great community, Mesa City and the City Council continue to work with city staff and the community at large to maximize the transformation of the urban landscape into a sustainable, vibrant, and resilient city.

What Works City Feature: Scottsdale, AZ

USING DATA TO DRIVE A REGION



...government leaders. The City is in the northeast of Phoenix, in a ring of cities within Arizona's Valley of the Sun. Mesa is committed to sustainable growth for the City of Scottsdale that includes reducing a key environmental concern, a growing spring training stadium.

...Mesa City and the City Council joined What Works Cities (WWC) to help make municipal government more visible and effective to help the City increase the effectiveness of day-to-day operations through low-cost analysis, based on technology.

...thought, Scott, by Center for Government Excellence (Center of Arizona Republic University, Center for America, and the ...and process by creating, analyzing, and managing public data through the City's open data program. They also ...will increase the visibility of government. This data visualization platform to increase decision-making for the ...prophetic vision of the future, identify the public policy, and increase the number of residents who can participate with

What Works City Feature: Tempe, AZ

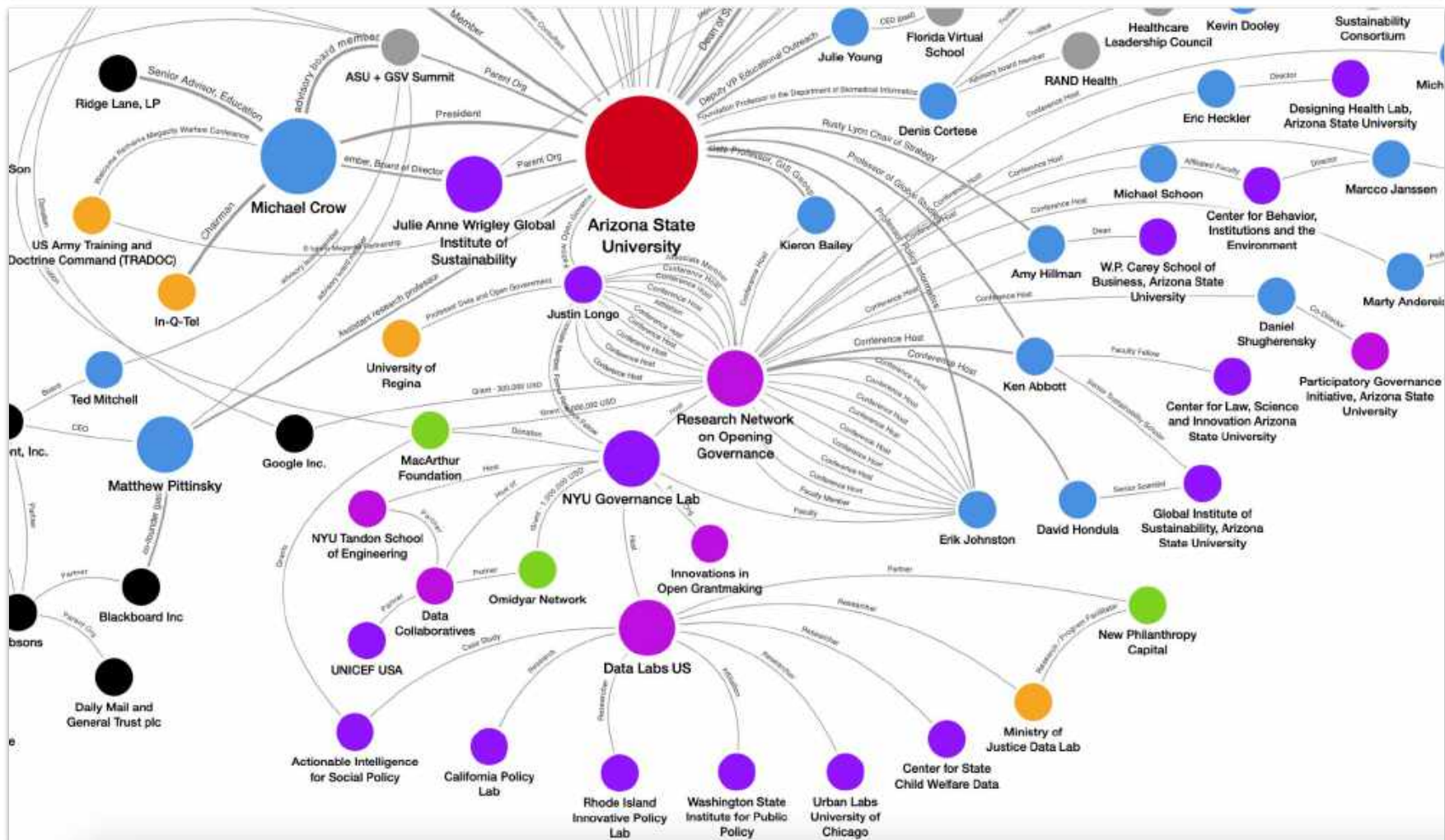
CREATING A NEW DATA-ORIENTED PARADIGM IN THE VALLEY



The Opportunity

Tempe has always been proud for its data revolution. Sitting in the southeast of Phoenix, in a ring of cities within Arizona's Valley of the Sun, and home to the largest university in the country, Arizona State University, the City has been developing security and taking advantage of the wealth of diversity that a flagship state university brings to a city.

In August 2016, the City Council approved a revised strategic framework focused on better using resources to look for priority areas and restructuring (and) parts of the city government to best meet these needs. To help supplement this work, Mayor Mark Mikulski and the City Council asked What Works Cities to provide support that would enhance the City's performance management and make municipal data more consumable and usable for agencies and residents. They also asked What Works Cities to work with their teams to improve the way the City does contracting by tying it to outcomes.



Life Cycle of Blockchain Driven Data Collection Flow



When the data infrastructure is settled, we can start to build applications interacting with the decentralized database. There will include all kinds of frontline engagement tools, such as end-beneficiary applications, home visitor application, data management and browser system to check all kinds of data collected from the field, as well as performance data on the decentralized ledger of token transactions.

Digital Identity

Blockchain

Tracking
Compliance

Social Impact

Life In the Behavioral Economics Panopticon

Government Needs a New Strategy

Governments generally rely on three simple instruments to influence behavior:

1. Restriction on choices
2. Monetary incentives
3. Increased information and persuasion
4. A "Behaviorally Informed" Approach





ABOUTIMPACTRESEARCHFUNDING OPPORTUNITIES

When the University put out a call for projects for [100&Change](#)—a [MacArthur Foundation](#) competition for a \$100 million grant to solve a single, critical world problem—the pair and colleagues drafted a proposal that they argued could help with the challenge of “enduring behavior change.” The team didn’t win the grant (it was one of the top 200 proposals out of thousands), but Penn and the [Chan Zuckerberg Initiative](#) provided enough funding for an initial three years.

“We’re creating experiments to improve behavior change,” says Duckworth, the Christopher H. Browne Distinguished Professor of Psychology in the [School of Arts & Sciences](#) (SAS).

First up, the team is working on two projects, one related to gym attendance, the second to school performance. In the exercise experiment, dubbed The Step-Up Challenge, BCFG researchers have partnered with national gym chains 24 Hour Fitness and Blink Fitness, owned by Equinox. Combined, the two have memberships exceeding 4.3 million people, and the scientists are aiming for 10 percent participation, meaning hundreds of thousands of data points.

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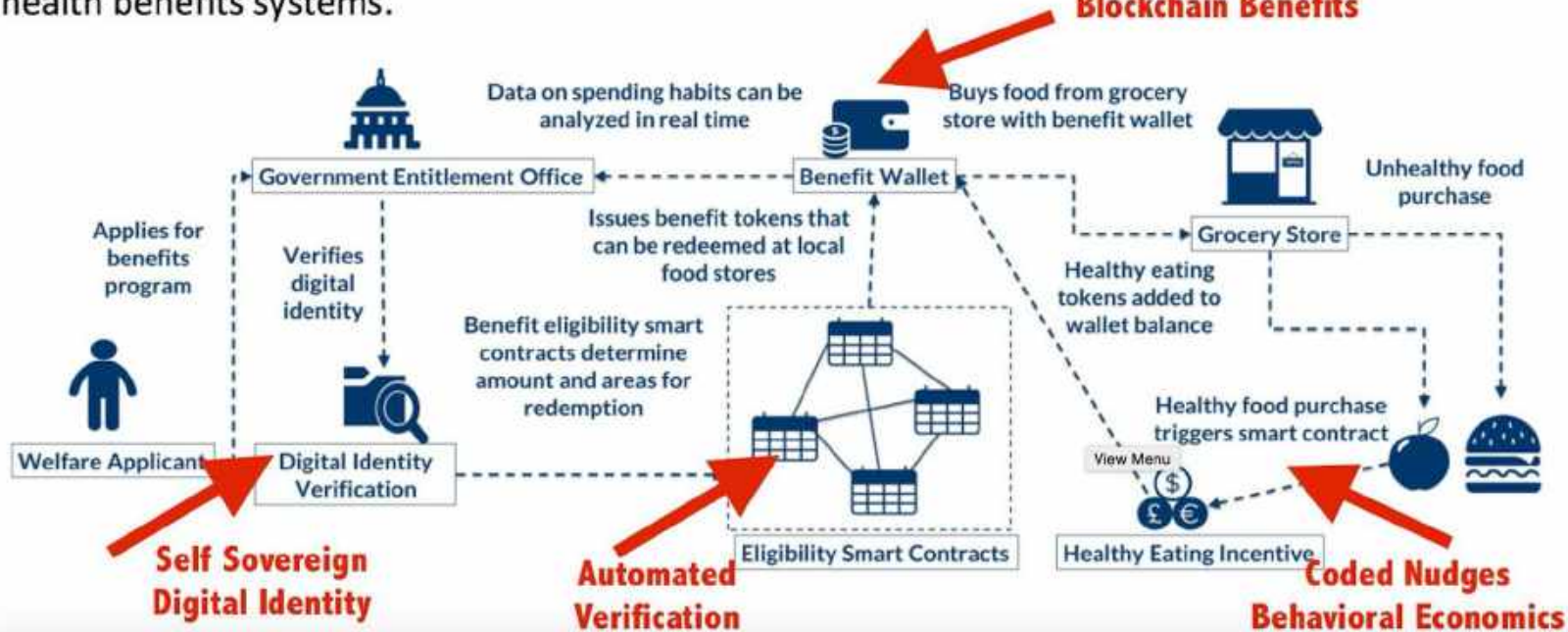


Social Benefits Distribution Use Case Snapshot

Illinois Blockchain Taskforce

An interesting application could be an “entitlements digital currency” for benefit programs such as food stamps. Providing a digital identity verification would help the program accurately verify applicants and reduce fraud. Smart contracts could precisely determine eligibility efficiently and effectively. An additional “healthy eating token” incentive system could be offered to achieve ancillary health policy goals, providing additional cost savings for other health benefits systems.

Blockchain Benefits



Game Mechanics

Human Capital Bonds - Pay For Success Finance

Assigned Self Improvement Pathways - Privatized Social Welfare

UN SDG-Aligned Social Prescribing - UBI

Digital Identity + Wearable Tech / Biosensors

Social Prescribing - Performative Behavioral Pathways

Deliverable 1 - Social Prescribing and the Digital Landscape

Healthy London
Partnership



GREATER
LONDON
AUTHORITY



Figure three shows how these elements can fit together.

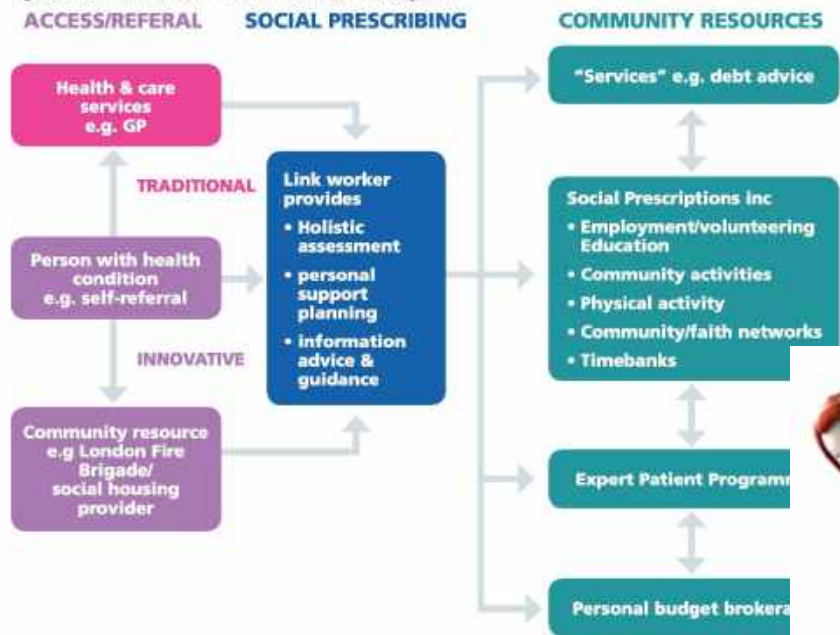


Figure Three: Operating model for social prescribing & access to community based resources

THE NAVIGATOR MODEL

The navigator model was designed so that a key social worker – the navigator – would support each homeless client with an individualized assessment, help him or her find a way through the network of provision, and sustain this support over time. The navigator would be given a budget to support a personalized intervention in the homeless client's life. Navigators would try to achieve the outcomes specified in the SIB.

In our interviews, people at St Mungo's said the navigator model turned out to be impossible to rationalize, for financial and practical reasons. The homeless people selected for the program (more on this below) slept on the streets of central London. Most of the hostels and shelters they could move to were at least an hour away, since property prices make building shelters in central London prohibitively expensive. Navigators would be unable to work with people on the streets of central London and also visit the people who had been moved to accommodation on the outskirts of the city. The navigators would simply have spent too much time travelling.



Medical Geo-Fencing

Wearable geofencing for social distancing

June 08, 2020 // By Julien Happich

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"Security Bubble Covid-19" is an electronic device which generates virtual barriers around each wearer to help them comply with governments' social distancing recommendations.

Designed by [Insight SiP](#), the Security Bubble Covid-19 is to be worn by people in their workplaces, in commercial spaces and other

Participating Organizations

This initiative is made possible through the participation of over 60+ organizations from around the world, including governments, large tech companies, startups, and institutions across a wide range of industries who all have a common goal.





CARE



HOUSING



SAFETY



ECONOMY



EDUCATION



ENVIRONMENT



FOOD ACCESS



DESIGN



RECREATION



SOCIAL AND CULTURAL COHESION



JUSTICE



TRANSPORTATION



EQUITY



RESILIENCY

LIVE WELL ARIZONA

At its core, the effort starts with the notion that embracing shared understanding and building collective momentum can enable all involved to reach a higher level of success.

Welfare To “Work” Towards A Post-Human Era

The Sydney Morning Herald

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This was published 3 months ago

OPINION

Walk for the dole? We must find new ways to tackle those corona kilos

July 29, 2020 — 11:27pm


Jessica Irvine
Economics writer

"I was too fat," the British Prime Minister, Boris Johnson, reflected in a television ad campaign this week launching his new national health strategy, designed to help Britons curb their kilos and fight off the coronavirus.



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GEO Continuum of Care®


FROM THE 2019 GEO CONTINUUM OF CARE ANNUAL REPORT


FROM THE 2019 GEO CONTINUUM OF CARE ANNUAL REPORT

The GEO Continuum of Care is enhanced in-custody offender rehabilitation programming, including cognitive behavioral treatment, integrated with post-release support services.

Enhanced Assessment → Enhanced Counseling → Enhanced Intervention → Enhanced Transition → Enhanced Aftercare

Bloomberg - Big Brother

The screenshot shows the NPR website interface. At the top, there are logos for NPR, WHY, PBS, and NPR. Navigation links include NEWS, ARTS & LIFE, MUSIC, SHOWS & PODCASTS, and SEARCH. The article title is "New York City's Mayor Is A Geek At Heart" under the SCIENCE category. It includes a "19-Minute Listen" audio player and a "Transcript" button. The article text begins with "Did you know Mayor Michael Bloomberg has an engineering degree and built a ham radio as a child? The mayor talks about his passion for science and how it shapes the way he thinks. He also discusses plans for an applied sciences campus in New York and potential spin-offs from the project."

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SCIENCE

New York City's Mayor Is A Geek At Heart

April 8, 2012 • 1:00 PM ET
Heard on Talk of the Nation

19-Minute Listen

PLAYLIST

Did you know Mayor Michael Bloomberg has an engineering degree and built a ham radio as a child? The mayor talks about his passion for science and how it shapes the way he thinks. He also discusses plans for an applied sciences campus in New York and potential spin-offs from the project.

Transcript

THE BEHAVIOURAL INSIGHTS TEAM

ABOUT US BLOG OUR WORK THE TEAM LOCAL

April 20, 2015 BIT Staff



New partnership will help to launch US operations for BIT

The Behavioural Insights Team (BIT) has entered into a three-year partnership with Bloomberg Philanthropies on its new What Works Cities initiative. The \$42 million project endeavors to build on existing innovation at the city-level by helping mayors and local leaders use data and evidence to engage the public, make government more effective and improve people's lives. What Works Cities is the latest initiative from Bloomberg Philanthropies' Government Innovation portfolio, which promotes public sector innovation and spreads effective ideas amongst cities around the world. BIT will be one of a group of partners providing technical support and advice to cities as they enhance how they use data and evidence to make decisions. BIT will help cities conduct real-time, low-cost program evaluations to continually improve city services.

"City leaders across the nation are using data to improve programs and policies and drive innovation—and we're thrilled to put additional wind at their backs," said James Anderson, head of Bloomberg Philanthropies' Government Innovation programs. "Bloomberg Philanthropies has assembled expert partners to provide world class support and inspiration to cities. We're excited to bring the Behavioral Insights Team to the States and enable them to work with the growing number of local leaders who are excited to embrace new ways to understand what's producing results for citizens."

Bloomberg Philanthropies will be the founding client for "the Behavioral Insights Team": BIT's new USA subsidiary. Based in New York, the new office will build a portfolio of new projects that will drive social impact on an even larger scale. This will give BIT a fixed base in the USA, adding to a growing global network of offices in Sydney and London. The move to the US will allow BIT to strengthen its existing relationships in the US, including the partnership with the Behavioral Insights Group (BIG) at Harvard's Kennedy School of Government, supported by a grant from the Sloan Foundation. The new New York-based company will be led by Elspeth Kirkman, a member of BIT's senior team in the UK, and is currently recruiting staff.

City of London Is Model

LittleSis

WrenchinTheGears Explore Add Help About

Bloomberg - SIBs - Social Prescribing

by WrenchinTheGears
March 28, 2020

The diagram is a complex network graph illustrating the relationships between various entities related to Bloomberg, Social Impact Bonds (SIBs), and Social Prescribing. The central node is 'Bloomberg Philanthropies' (green). Other prominent nodes include 'Michael Bloomberg' (blue), 'COVID-19' (red), 'Social Prescribing' (purple), and 'Social Impact Bonds' (yellow). The network is highly interconnected, with many smaller nodes representing specific projects, organizations, and initiatives. The nodes are color-coded and sized to represent different categories or levels of importance. The connections are represented by lines of varying thickness, indicating the strength or type of relationship. The overall structure is a dense web of relationships, showing the interconnected nature of these concepts and the organizations involved.

DIGITAL JOURNAL **UK LIVE 2016**

NEWS TECH & SCIENCE SOCIAL MEDIA BUSINESS ENTERTAINMENT LIFE SPORTS

Roman Temple of Mithras lies beneath Bloomberg HQ in London

BY TIM SANDLER SEP 26, 2017 10:00 AM GMT+1 LISTEN • PRINT

London - Bloomberg's European headquarters contains an exhibition space. Several levels down, this 'space' contains the remarkably well-preserved remains of the Roman Temple of Mithras, which is presented atmospherically with sound and lighting effects.



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Building upon the vision of ASU President Michael Crow for a New American University, the Center for Games and Impact at ASU is committed to... [more »](#)

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Sasha Barab Director, Center For Games and Impact ASU

• Director ('12→?)* [\[+1\]](#)

Anna Arici Learning Scientist, Center For Games and Impact ASU

• Learning Scientist ('11→?)*

Parent Organizations

Arizona State University ASU is the largest public research university in the United States under a

• Parent Org

Donors

Bill & Melinda Gates Foundation Family foundation of Microsoft founder Bill Gates

• Donation/Grant

National Science Foundation U.S. government agency that supports fundamental research and

• Donation/Grant*

Educational Testing Service

• Donation/Grant*

Public Broadcasting Service A program distributor that provides television content to its member

• Donation/Grant*

Intel Corporation Semiconductor and Microchip manufacturer

• Grant*

US Agency for International Development

• Grant*

MacArthur Foundation Major private grant-making foundation; based in Chicago

• Grant

Joan Ganz Cooney Center Digital Media Learning for Young Children

• Grant

Other Affiliations

Quest Atlantis Immersive Reality Educational Game For Children Developed at Arizona State University

• Developed At*

Thrivecast Lifelong Learning Online Platform With Micro-Credentials - ASU Affiliated

• Project*

ThriveCast



ThriveCast is an innovative approach to unlocking human potential, powered by platform technologies and driven by everyone's desire to achieve great things.

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Universal Basic Income = Programmed Money

[Overview](#) [UpTogether.org](#) [UpTogether Fund](#) [Analytics: Learning from Families](#) [Initiative Score](#)

[Initiative Score](#)

FII's "Hustle Score"

The Initiative Score is a supplemental criteria that models the reliability and initiative of low-income families that is broader than traditional credit scores accounting for not only financial progress, but education, health, youth/family, and social capital initiatives among others.



Local Currency Vs Programmable Money



Most scrip looked like paper currency, but some communities used other materials, like metal, leather, rubber, plywood and parchment made out of dried fish skin. Two towns in California – Crescent City and Pismo beach -- circulated scrip printed on clamshells. This 10-cent note was issued by the Crescent City Chamber of Commerce. It's worth about \$500 today. [ROD CHARLTON II/DEPRESSIONSCRIP.COM](https://www.rodcharlton.com/depression-scrip/)



Skills - Level Up

Leaderboards

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-  It demonstrates that your knowledge is up to date.



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Behavioral Health - Addiction

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January 23, 2017

Meet Kathy



Watch how the Pathfinder Community Hub supports Community Care Coordinators like Kathy in empowering her clients to make healthy choices.

Orange County, CA - Health Journeys

DocuSign Envelope ID: DFC7AC37-2C06-4EFC-A7C2-BED66C89E866

- 
- **Gateway to a Healthier Orange County:** This “last mile” effort can be the perfect first step to having residents of Orange County sharpen their focus on their healthcare. Future integrations with medical systems, healthcare apps (Apple Health, Map my Ride, Strava), and health technologies (FitBit, Peloton, Insulin Pumps, Smart Watches) will provide a foundation for better wellness outcomes. This crisis can and should be the catalyst for positive change for the residents of Orange County.

Additionally, our work with the Patient Under Investigation (PUI) process will be implemented in Phase One to support the existing testing network. This includes supporting patients before, during, and after their testing. The PUI process includes the following:


- a. **Before:** Find the appropriate testing site, trusted COVID-19 material (in the appropriate languages), and schedule a needed appointment.
- b. **During:** Ensure a smooth and efficient process to check-in and capture key information on testing and screening. This includes contact information, symptoms, and comorbidities.
- c. **After:** Support patients in keeping track of their symptoms, getting their results, and providing evidence in the form of a passport that they are negative and can confidentially re-enter the community. These patients can be transitioned to a waiting queue for vaccination once they become available.

Key Stakeholders

The core functionality of the system is designed around connecting key stakeholders together to ensure that the vaccines are properly administered and that the local community can have confidence to safely reopen the economy. A critical aspect of the proposed platform is that it will be configured specifically for the COVID-19 vaccination use case. This brings a number of benefits to ensure the scale and precision of the solution, including benefits by Key Stakeholders:

- **Gateway to a Healthier Orange County:** This “last mile” effort can be the perfect first step to having residents of Orange County sharpen their focus on their healthcare. Future integrations with medical systems, healthcare apps (Apple Health, Map my Ride, Strava), and health technologies (FitBit, Peloton, Insulin Pumps, Smart Watches) will provide a foundation for better wellness outcomes. This crisis can and should be the catalyst for positive change for the residents of Orange County.

- **Public Health Analytics:** CuraPatient will provide timely analytics to ensure that vaccines are available and ensure accessibility to individuals based on the priority matrix as outlined by the federal government. Additionally, the efficacy of the vaccines can be further enhanced and better targeted to genotypes and socioeconomic environments.

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Composite Apps

Digital Consulting - Mobile Analytics

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Relationships **Interlocks** **Giving** **Data**

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Charles P Rockefeller Head of Partnerships at Composite Apps
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Norm Katz Head of Product Cura Patient at Composite Apps
- Head of Sales ('13-?)*

Long Nguyen CEO Composite Apps
- CEO ('10-?)*

Child Organizations

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SAP SE The market leader in enterprise application software
- Partner*

Salesforce.com Inc (Formerly ExactTarget) provider of digital marketing automation and analytics
- Partner*

Composite Apps - Cura Patient AI “Health” Monitoring



CONTRACT NO. MA-042-21010855

FOR

**CURAPATIENT COVID-19 VACCINE
ADMINISTRATION APPLICATION**

BETWEEN

**THE COUNTY OF ORANGE
HEALTH CARE AGENCY**

AND

Composite Apps, Inc.

CECAG	FARM	Program Service Title	Federal Funding Agency	Federal Award Code	Federal Award Interest Rate	Federal Award Amount	DAO Award ID#
21-019	SLT012	Coronavirus Relief Fund (CRRF)	US Department of Treasury	41022000	10% or 15% de minimize rate	\$554,133,765	46

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For Insurance Payers



Doctor's automate coordination of patient and bill status, reducing future paperwork headaches.



Insurance payers receive prompt and accurately coded bills to quickly get back to providers and patients.

Powered By Artificial Intelligence



Constant collection, tuning, and analysis of data creates for a more powerful caretaker that continuously connects everyone.



Constant collection, tuning, and analysis of data creates for a more powerful caretaker that continuously connects everyone.

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Charles P Rockefeller

Head of Partnerships at Composite Apps

add relationship edit flag

Charles Rockefeller ... more »

Relationships Interlocks Giving Data

Business Positions

Sotheby's Auction and real estate business
- Former Marketing Manager ('00→'08)*

Other Positions

Composite Apps Digital Consulting - Mobile Analytics
- Head of Partnerships ('16→?)*

Halo Health Software To Manage Behavioral Health Treatment
- Co-Founder ('14→'16)*

LearnerX Global Learning Marketplace Improving Lives
- Former Head of Partnerships ('13→'15)*

United Purpose Global Poverty NGO Based in UK
- Former Partner ('12→'13)*

Museum of Modern Art Premier US modern art museum in NYC
- Former Policy Strategic Planning ('96→'97)*

The Asia Society

- Trustee

Education

Penn Graduate School of Education
- Master's Degree, Education ('10→'13)*

McDonough School of Business Business school of Georgetown University
- Master's Degree ('08→'10)*

Rockefellers: Ed-Tech and Tele-Health

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Jay Rockefeller

Former Democratic US Senator from West Virginia

add relationship edit flag

(nephew of Nelson Aldrich Rockefeller, great-grandson of Nelson Aldrich, and son-in-law of Charles Harting Percy), a Senator from West Virginia;... more »

Relationships Interlocks Giving Data

Government Positions

Aviation Operations, Safety, and Security Subcommittee
- Chairman

Health Care Subcommittee
- Chairman

Senate Intelligence (Select) Committee
- Chairman

Oversight of the Terrorist Surveillance Program Subcommittee
- Vice Chairman

National Bipartisan Commission on the Future of Medicare
- commission member ('98→'99)

Office of the Governor of West Virginia
- Governor ('77→'88)

Other Positions

Celebration of Olympia Snowe and E-Rate Angus King Host at Library of Congress 2016
- Attendee ('16→?)*

Snowe - Rockefeller Amendment, E-Rate Part of 1996 Telecommunications Act
- Co-Sponsor ('86→'97)*

State of West Virginia
- Former US Senator ('89→'14)*

Trilateral Commission
- Member

The Asia Society
- Trustee

Scoring

Social Impact Dashboards

Compliance Data

Credits / Scrip - Energy or Behavior

Social Impact Dashboards - Microsoft / Salesforce

 Socialsuite is your technology solution for measuring and proving the social outcomes of programs

Outcomes Measurement Design


Automated Data Collection

Analytics


Framework Marketplace





 Socialsuite

Social Solutions 

Software - Services - Who We Work With

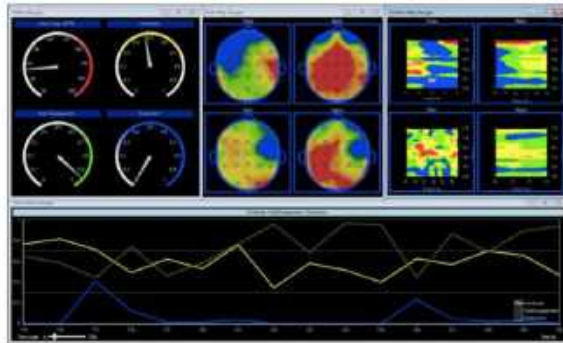


Social Solutions gains \$59M funding from former Microsoft CEO

 | 

Social Solutions is excited to be partnering with the Ballmer Group and to be featured in a recent article, originally posted by [Built in Austin](#). Read below to learn more about this new partnership, and [sign up here](#) to receive regular updates on program details and matching grants that can

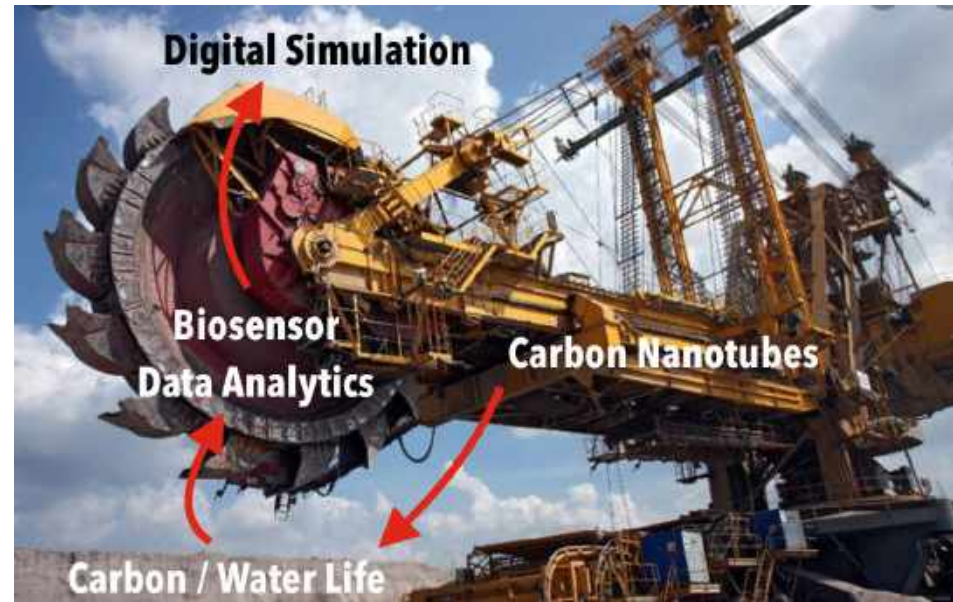
Real Time Behavior Analysis - Internet of Bodies



PLATYPUS INSTITUTE
THE SCIENCE OF HUMAN PERFORMANCE



Some experts suggest that invisible or implanted wearables will become the norm and will create continuous streams of data and health tracking, while at-home testing will help detect diseases in a more targeted way. For instance, research from Stanford Medicine has shown that wearable devices can use biosensors to detect symptoms of possible illness, such as Lyme disease.¹⁴ In a future of wearables and testing, patients will no longer need to feel physical illness to prompt them to seek medical attention. The promise of wearables is in the ability to detect and therefore treat illness at an earlier stage.



**We train it with biosensors.
Water to silicon.**



**THE REVOLUTION
WILL NOT BE
TOKENIZED**

The programmed world they hope to build is all data crunching and pattern recognition.

Care, imagination, collaboration, humor, spontaneity, playfulness, and grounding in nature - those are revolutionary practices worth cultivating with intention. That is our strength. We stand on the side of natural life.

They look to excise being out of human. That being is true love, the love of life, which is how we exist.

An attempt to excise this leaves all the ingredients, but no cake.