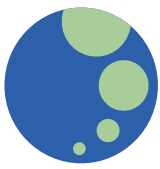




Singularity University  
**Global Summit**

**CONFERENCE PROGRAM**

AUGUST 20-22, 2018



**8:45 AM PRE-CONFERENCE** Only available to Alumni and/or Exponential Families

Only Alumni & Exponential Families

**9:00 AM IMPERIAL THEATER A + B**  
**INTRODUCTION**  
 Global Summit attendees who have attended a previous SU event or conference are invited to join us for our opening alumni-only session. Come learn from SU's leadership team about our programs and initiatives, and take part in a Q&A session with SU co-founder Peter Diamandis.

**COMMUNITY STORY**

**SU IN THE NEXT 10 YEARS**  
 Rob Nail, *CEO & Associate Founder, Singularity University*  
 Erik Anderson, *Chairman of the Board, Singularity University and Founder & CEO WestRiver Group*

**BREAK**

**IMPERIAL THEATER A + B**  
**ASK ME ANYTHING**  
 Peter Diamandis, *Co-Founder & Chairman, Singularity University*

**SU COMMUNITY COLLABORATION MASH-UP**  
 My SU Promise

**CONTINENTAL PARLOR 1-3**  
**EXPONENTIAL FAMILIES** Exponential Families only

**11:30 AM BREAK / LUNCH ON YOUR OWN**

**EXPONENTIAL FAMILIES LUNCH**, Exponential Families only

**11:30 AM**

**CITYSCAPE**  
**FOUNDER'S CIRCLE WELCOME LUNCH**  
 Founder's Circle attendees have the opportunity to join SU CEO Rob Nail, EVP Carin Watson, co-founder Peter Diamandis, and special guests in an intimate luncheon setting.

**CONFERENCE BEGINS**

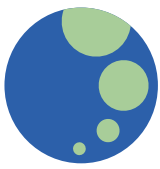
**1:00 PM GRAND BALLROOM B**  
**OPENING SESSION**  
 Welcome to the Global Summit  
 Will Weisman, *Executive Director, Summits, Singularity University*  
 Global Summit host Will Weisman provides a fast-paced overview of the Global Summit at SU's 10th anniversary.

**Building a Global Community**  
 Rob Nail, *CEO and Associate Founder, Singularity University*  
 CEO Rob Nail provides a wide-ranging overview of SU's accomplishments to date, today's challenges for people and planet, and our exponential opportunities for the future.

**The Future is Faster Than You Think**  
 Peter Diamandis, *Co-Founder & Chairman, Singularity University*  
 SU co-founder Peter Diamandis helps us to understand the abundant future he sees, leveraging moonshot and prize thinking, to solve some of our greatest challenges.

**Scarcity/Abundance**  
 Vivienne Ming, *Founder & Executive Scientist, Socos*  
 Peter Diamandis, *Co-Founder & Chairman, Singularity University*  
 Moderator: David Kirkpatrick, *Founder, Techonomy*  
 We already have abundance: It's just not evenly distributed. How can we leverage exponentials to change that?

**2:45 PM BREAK**



**2:50 PM** **YOSEMITE A-C**

**Design for Exponentials**

Jody Medich, *Director of Design, Singularity University Labs*

**3:15 PM** **GRAND BALLROOM B**

**FOUNDATION IN EXPONENTIALS**

Pascal Finette, *Fastrack Institute, Inc. & SU Faculty Chair for Entrepreneurship & Open Innovation*

Exponential technologies are fueling disruptive change in industries and societies around the world. This session provides a rapid-fire introduction to Machine Learning/Artificial Intelligence, Cryptographic technologies and currencies, Next-generation Energy, Robotics, and Exponential Medicine.

**Introduction to Exponentials**

Will Weisman, *Executive Director, Summits, Singularity University*

**AI**

Neil Jacobstein, *Chair, Artificial Intelligence and Robotics Track, Singularity University*

**Crypto**

Nathana Sharma, *Principal Faculty, Blockchain, Policy, Law & Ethics, Singularity University*

**Energy**

Ramez Naam, *Chair, Energy & Environmental Systems Track, Singularity University*

**Digital medicine**

Dr. Daniel Kraft, *Chair, Medicine Track, Singularity University*

**Robotics**

Suzanne Gildert, *AI & Robotics Faculty, Singularity University and Founder & CEO, Sanctuary AI*

**3:15 PM** **GRAND BALLROOM A**

**ALUMNI TRACK -**

**WHAT'S NEW IN EXPONENTIALS**

Moderator:

Will Weisman, *Executive Director, Summits, Singularity University*

Anita Schjøll Brede, *Co-Founder & CEO, Iris.ai*

If you've attended an SU event before, here's your chance to learn about the latest advances in exponential technologies from our global faculty.

**Energy**

Ramez Naam, *Chair, Energy & Environmental Systems Track, Singularity University*

**Digital Medicine**

Dr. Daniel Kraft, *Chair, Medicine Track, Singularity University*

**AI**

Neil Jacobstein, *Chair, Artificial Intelligence and Robotics Track, Singularity University*

**Robotics**

Suzanne Gildert, *AI & Robotics Faculty, Singularity University and Founder & CEO, Sanctuary AI*

**Crypto**

Nathana Sharma, *Principal Faculty, Blockchain, Policy, Law & Ethics, Singularity University*

**5:05 PM** **YOSEMITE A-C**

**Managing Your Innovation Portfolio**

Nick Davis, *Vice President, Corporate Innovation, Singularity University*

**5:10 PM** **BREAK**

**5:25 PM** **GRAND BALLROOM B**

**WELCOME BACK**

Will Weisman, *Executive Director, Summits, Singularity University*

**Fireside Chat**

**Entrepreneurs Are the New Superpower**

Naveen Jain, *Founder & Executive Chairman, Moon Express*

Will Weisman, *Executive Director, Summits, Singularity University*

Naveen Jain is an entrepreneur who catalyzes breakthrough companies. In this high-energy interview with SU's Summits executive director Will Weisman, Naveen will show how entrepreneurs working together can generate disruptive impact on a global scale.

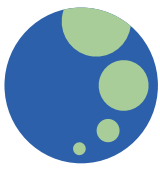
**Automating Ourselves**

Pablos Holman, *Inventor, Intellectual Ventures and Founder, Bombshell*

World-famous hacker and innovator Pablos Holman talks from a humanist perspective about the breakthrough potential of technologies that we can use to develop new super-powers.

**6:35 PM** **CLOSING**

Will Weisman, *Executive Director, Summits, Singularity University*



## EVENING ACTIVITIES

**6:35 PM** GENERAL PARTICIPANTS ON THEIR OWN FOR DINNER

FOUNDERS CIRCLE DINNER

TRANSPORTATION RUNS FROM 6:30 TO 7:15

**PLAZA A + B**

VIP DINNER

**8:00 PM** **YOSEMITE A-C**

GENERAL PARTICIPANTS  
NETWORKING

Open EXPO

Women, Impact & Innovation, presented  
by Women's Impact Network

Vien Truong, *CEO, Dreams Corps*

Regina Njima, *Director of Global Impact Challenges, Singularity University*

Barbara Silva, *CEO, BeSTinnovation & Director, SingularityU Chile & Colombia*

Jane Finette, *Co-Founder & CEO Radical and Founder, The Coaching Fellowship*

Moderator: Darlene Damm, *Vice Chair of Global Grand Challenges, Singularity University*

SU's Women's Impact Network (WIN) presents a discussion on the future of impact and innovation, and how women are playing a critical role. Our distinguished panel of speakers bring a range of expertise from different industries and sectors with fresh perspectives and exponential, inspired mindsets.

**CONTINENTAL PARLOR 1-3**

**EXPONENTIAL FAMILIES**

Exponential Families only

Q&A

Neil Jacobstein, *Chair, Artificial Intelligence and Robotics Track, Singularity University*

Ramez Naam, *Chair, Energy & Environmental Systems Track, Singularity University*

Nathana Sharma, *Principal Faculty, Blockchain, Policy, Law & Ethics, Singularity University*

Dr. Daniel Kraft, *Chair, Medicine Track, Singularity University*

**CONTINENTAL PARLOR 1-3**

**EXPONENTIAL FAMILIES DINNER**

Exponential Families only

**FRANCISCAN B - D**

**SYMPOSIUMS**

Open to VIP, Founders Circle, Exponential Families only

**Moving from Pressure to Opportunity**

John Hagel, *Co-Chairman, Deloitte Center for the Edge*

Our exponential world presents a powerful paradox: mounting performance pressure and unprecedented opportunities for value creation. John Hagel will lead a session exploring the challenges that companies face as they seek to overcome the growing pressures and evolve in ways that will help them to capture the opportunities for expanding value creation. In particular, he will focus on the breadth of change required and the need to challenge the most basic assumptions about what is required for business success. He will also highlight the strength of the immune system and antibodies that exist in every large institution and explore the approaches that will be required to overcome the immune system.

**How I Turned Axon (formerly Taser) into an Exponential Organization**

Rick Smith, *CEO, Axon*

How do you take a traditional business and transition it into an exponential organization? Come hear how Axon CEO Rick Smith turned a one-product company (tasers) into a global cloud-based powerhouse.

**Blowing Up the Playbooks in Exponential Times**

Steve Goldbach, *Chief Strategy Officer, Deloitte*

Geoff Tuff, *Principal, Deloitte, Author & Speaker*

The rise of exponentials has created a dangerous condition in most successful organizations: the very playbooks and conventional wisdom that have governed success for decades no longer seems to be working and – even worse – may be contributing to a vicious cycle leading to outright failure. Come hear from Geoff Tuff and Steven Goldbach about their recently published National Bestseller, *Detonate: Why and How Corporations Need to Blow up Best Practices (and Bring a Beginner's Mind) to Survive*. Geoff and Steve will review the core ideas in the book including seven common “deadly playbooks” and the four mindset principles necessary for any organization to continue to survive and thrive in this exponential world. This session will be provocative and leave participants with some practical steps they can start to take immediately.



**7:00 AM** **YOSEMITE A-C**  
**BREAKFAST**

Creating Your Future Tech Strategy  
Renu Kulkarni

How To Be An Effective Online Learner  
Sheno Fuzita

**CONTINENTAL PARLOR 1-3**  
**EXPONENTIAL FAMILIES BREAKFAST**  
Exponential Families only

**GOLDEN GATE 3-5**  
**ALUMNI SPEAKER BREAKFAST**

**GOLDEN GATE 6-8**  
**DELOITTE & FRIENDS BREAKFAST**  
Invitation only

**FRANCISCAN B**  
**FOUNDERS CIRCLE BREAKFAST**

**FRANCISCAN C**  
**YOGA**  
Andrea Restivo

**FRANCISCAN D**  
**BREATH WORKSHOP**  
Mindful Mornings with Sierra  
Sierra Campbell, *Founder & CEO, NurtureCo*  
Start your day with guided breathing practices with Sierra Campbell.  
Each day we will explore dynamic breath-work practices to bring about a greater sense of self-awareness and overall improvement in mental, physical, and spiritual well-being.

**8:30 AM** **GRAND BALLROOM B**  
**MORNING GENERAL SESSION**

Will Weisman, *Executive Director, Summits, Singularity University*

Economics (Exponential Economics)

Amin Toufani, *CEO T Labs, SU Chair for Finance & Economics, Singularity University*

Exponential technologies have profound effects on how economies function. Exponential Economics - or Economics - is the study of this emerging new world and its implications for individuals, businesses and governments. The talk covers unifying themes among disruptive trends in business strategy, financial markets, cryptocurrencies, economic policy, and risk management. We will review emerging business models and opportunities for breakthrough innovation, while also focusing on the bifurcating effects of exponential technologies.

Fireside Chat: Peter Diamandis & Ray Kurzweil

Moderator: Will Weisman, *Executive Director, Summits, Singularity University*

The co-founders reminisce about what catalyzed the launch of Singularity University ten years ago, and their hopes and plans for the next 10 years.

BioCarbon Engineering

Kelly Wanser, *Executive Director, SilverLining*

Guiding Organizations to their 10X Future

Carin Watson, *EVP Learning & Innovation, Singularity University*

Carin will share how SU supports established organizations on their transformational journey from linear to exponential.

**10:20 AM** **MORNING BREAK**

**11:00 AM** **YOSEMITE A-C**  
**SU VENTURES DEMO FAIRE**

Welcome Remarks

Startup: Janus Choice pitch  
Sasha Goodwin

Startup: SkyHive  
Sean Hinton

Startup: CLINICAL pitch  
Chun-Hao Huang or Medina Baitemirova

Startup: Impact Vision pitch  
Abi Ramanan

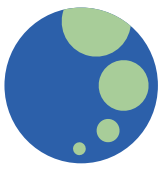
**STARTUP COMPANY PRESENTATIONS**

Panel: AI for Scale and Good

Moderator: Monique Giggy, *Managing Director, SU Ventures, Singularity University*

Darryl Palmer and Jim Galloway, *MD, Janus Choice*

Liesl Yearsley, *Akin*  
Sean Hinton, *SkyHive*



**11:00 AM GRAND BALLROOM B**

**AI BLOCK**

**When Machine Learning + Neural Interfaces Meet**

Tarin Ziyadee, *Director of Algorithms, MSEE*

As a Wired article proclaimed last year, “Brain-machine interface isn’t sci-fi anymore.” As Tarin Ziyadee will demonstrate, we are on the cusp of new methods of controlling our technologies simply by using our minds

**A World Transformed By AI**

Anita Schjøll Brede, *Co-Founder & CEO, Iris.ai*

Barney Pell, *Co-Founder & Chairman, LocoMobi and Co-Founder, Moon Express*

Neil Jacobstein, *Chair, Artificial Intelligence and Robotics Track, Singularity University*

Suzanne Gildert, *AI & Robotics Faculty, Singularity University and Founder & CEO, Sanctuary AI*

Moderator: Will Weisman, *Executive Director, Summits, Singularity University*

Machine Learning and Artificial Intelligence have the potential to affect virtually every aspect of our economies, our societies, and our lives. What could such a world look like, and what would be the role of humans?

**Qwake**

Sam Cossman, *Founder*

**Building Ethical AI**

Kay Firth-Butterfield, *Head of AI and Machine Learning, World Economic Forum*

Software has the capacity to fuel unprecedented leaps forward. But AI and machine learning also brings great potential challenges to societies and economies. What guidelines can help us to create smart software that is broadly beneficial?

**11:00 AM IMPERIAL THEATER A + B**

**SELF-KNOWLEDGE BLOCK**

**The Mindset for Exponential Growth and Change**

Mark Bonchek, *Innovation Faculty, Singularity University*

To achieve breakthrough results, you can’t just change what you do. You first must change how you think. While leaders need to learn new models and frameworks for navigating this new paradigm of accelerating change fueled by exponential technologies, they also must unlearn outdated models and incremental ways of thinking. Mark Bonchek, founder and CEO of Shift Thinking and one of SU’s most popular faculty members, will take you through the exponential journey, including the key building blocks required to foster exponential growth and transformation. He will also introduce you to Shift Thinking Styles, a new way of thinking about thinking. Discover your own Thinking Style as a way to accelerate collaboration and contribution. If you want to multiply your results, don’t miss this session!

**Your Exponential Career**

Gary A. Bolles, *Chair, Future of Work, Singularity University*

How should you think about your career in a world that’s changing at exponential speed? Through his work as the co-founder of eParachute.com, inspired by the world’s career manual “What Color Is Your Parachute?”, SU chair for the future of work Gary A. Bolles will lead this rapid-fire session to help you understand the new rules of work, and give you concrete steps for managing your exponential career.

**GRAND BALLROOM A**

**KNOWING BLOCK**

**The Knowledge Economy**

Idriss Aberkane, *Chairman, Bioniria Foundation, CEO, Chréage and former Visiting Scholar, Stanford University*

In the world of futurist Idriss Aberkane, there is an economy that defies all laws, is inexhaustible, promotes and rewards sharing, and has infinite purchasing power. Come hear his vision for an economy of abundance.

**Making Everyone Count: How Data Can Change the World**

Wolfgang Fengler, *Lead Economist, World Bank*

We can use data to understand the impact we’re having on the world - and to solve some of the greatest challenges of mankind.

**Feeding the World with Big Data & New Business Models**

Geoffrey von Maltzahn, *Partner, Flagship Pioneering*

The combination of data and innovation means we can have the ability to feed our growing global population.

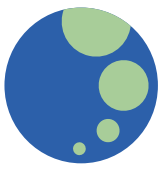
**GOLDEN GATE 6-8**

**DXR WORKSHOP - Invitation only**

**Making the Shift from Technology to Opportunity**

Digital Reality (DxR) technologies have quickly gained in popularity over the last decade; yet, with this rise has also come overuse, misuse, and ultimately the potential for disillusionment in the latest “bright shiny object.” Have you wondered about how to uncover DxR applications in your organization that truly make an impact? Deloitte has a clear perspective on how the Digital Reality technologies, explored through a human-centered design lens, can generate highly relevant and impactful solutions that move the needle on our clients’ biggest challenges. The purpose of this working session will be to engage in an interactive exploration of technology trends related to DxR and how these might be applied to transform organizations.

Participants will first be immersed in the technology trends through a gallery walk around the room, which may feature media ranging from representative posters to AR/VR experiences or demos. This will be followed by a facilitated “What if…” thinking introduction and team-based idea generation. Each team will then choose one “What if” idea to develop out and pitch using storyboarding, storytelling, drawing, or similar design methods.



**11:00 AM FRANCISCAN D**

**Culture Shifting Workshop: Growth, Innovation, and Abundance Through Diversity & Inclusion**

Andrea Hoffman, *Founder & CEO, Culture Shift Labs*

Peter Classen, *Chief Transformation Officer, Culture Shift Labs*

By adopting Diversity & Inclusion (D&I) principles, in a properly engineered way, organizations can realize meaningful revenue growth, productivity gains, and profitability increases (in addition to doing social good.) The question is how? Strategist-Activators from Culture Shift Labs will present the essential business case for D&I and a workforce engineering-grade analysis of what goes wrong. New technology advances that apply modern workstyle, workforce, and workplace management principles to achieve D&I-driven ROI will be highlighted (Katapult), in addition to case studies from the leaders. Participants will leave with a high-level roadmap for avoiding “feel good” one-off efforts and instead a strategy-driven process that “moves the needle” in measurable and abundant ways.

**12:30 PM LUNCH**

**2:05 PM GRAND BALLROOM B**

**TRANSPORTATION BLOCK**

**Exponential Transportation**

Amin Toufani, *CEO T Labs, SU Chair for Finance & Economics, Singularity University*

The exponential growth and convergence of technologies like AI, IoT, and blockchain have massive implications for the future of transportation. In this talk we will discuss the fast-emerging trends around autonomous vehicles, levitating trains, flying taxis, and subterranean loops, while also exploring the long-term implications of this tsunami of change for how human societies will move, work, shop and live. We will conclude with actionable recommendations for technology development, business model strategy, and policy implementation

**Thoughts From The Front Line of Autonomous Transportation**

Raj Kapoor - *Chief Strategy Officer & Head of Autonomous Driving, Lyft*

The fundamental nature of transportation and logistics is being reshaped by exponential technologies. How will autonomous vehicles transform the way we move people from point A to point B?

**You, Jet Powered**

Richard Browning, *Founder & Chief Test Pilot, Gravity Industries*

We’ve had the ability to fly in jetpacks since the 1964 World’s Fair. Could this finally be the era when we can all have them? Inventor Richard Browning shows us it’s possible to fly like a modern-day “Iron Man.”

**Mapping the Solar System**

Danica Remy, *CEO, B612 & Asteroid Day Co-Founder*

We can virtually fly around our planet using just a web browser. Why can’t we do the same for our solar system? B612’s Danica Remy shows us a breathtaking vision of a living map of our solar neighborhood.

**GRAND BALLROOM A**

**MIXED REALITY BLOCK**

**AR, VR, MR: The Next Computing Interface**

Jody Medich, *Director of Design, AR/VR, Singularity University*

The ability to immerse ourselves in visual experiences, and to annotate the world around us, is about to get an upgrade. What are some of the breakthrough applications that will transform how we see, hear - and feel?

**Climate**

Barney Swan, *International Director, ClimateForce*

**Virtual Heritage**

Elizabeth Lee, *Vice President for Programs and Development, CyArk*

**Ubiquitous Mixed Reality: People, Places, and Things**

Dioselin Gonzalez, *Senior Director of Engineering, Mixed Reality Experiences, Microsoft*

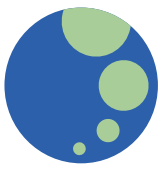
**A BOLD Perspective on Investing in AR/VR**

Teymour Boutros Ghali

*Managing Partner, BOLD Capital Partners*

**Digital Reality: Transforming the Enterprise**

Allan Cook, *Managing Director and Technology, Media & Telecommunications Sector Leader, Deloitte*



2:05 PM

**IMPERIAL THEATER A + B**

**EXPONENTIAL HUMANS BLOCK**

Transformative Technology

Nichol Bradford, *Executive Director & Co-Founder, TransTech Lab*

Transformative Tech Panel

Moderated by Nichol Bradford, *Executive Director & Co-Founder, TransTech Lab*

Jena Davidson, *Founder, Jenson8 Ltd*

Kwiri Yang, *Founder and CEO, LifeGyde*

**THE FUTURE OF ENTREPRENEURSHIP**

Living in Exponential Creativity

Barbara Marx Hubbard, *Author, Educator & Co-Founder, Foundation for Conscious Evolution*

Mark Donohue, *Founder & CEO, LifeGuides, PBC, Writer & Teacher*

**GOLDEN GATE 6-8**

**WORKSHOPS**

Deloitte Pixel Workshop: Crowdsourcing + Data Science: Your Formula for Success

Adam Sandlin, *Senior Manager, Deloitte Pixel*

Perhaps no other field has gotten more press when it comes to crowdsourcing than data science and analytics, yet adoption by large companies hasn't grown as many expected. Large prize purses, long project times, unclear process and outcomes, and confidential data sets are some of the most common roadblocks, but they're not insurmountable. This three-part, interactive workshop led by Deloitte Pixel, an internal startup within Deloitte Consulting focused on using crowdsourcing to solve complex problems, will first dive deep into these roadblocks with real world examples where they've been overcome. Next, we'll bring in executives from several data science crowd platforms for a panel discussion on the different ways in which you can engage data science crowds and how to get the most out of their platforms. Finally, we'll invite participants in the room to introduce their data science project to the Deloitte Pixel team and panelists to scope the project in real time. We'll break down barriers and demystify the crowdsourcing process to jumpstart participants' crowd data science projects.

**FRANCISCAN D**

Leadership, Model Thinking and Value Creation

Erik Anderson, *Chairman of the Board, Singularity University and Founder & CEO WestRiver Group*

Every company has a Model, they just don't know it yet. Learn to harness the power of Model Thinking to better understand your business and build a roadmap to long-term value creation.

2:15 PM

**YOSEMITE A-C**

**SU VENTURES DEMO FAIRE**

Don't miss the showcase of innovative SU startups creating impact at the billion-scale, presented by SU Ventures. Hear first hand how SU startups are solving some of the most pressing Global Grand Challenges in water, energy, food, health, education, and more. Tune in for pitches and panels from inspired impact entrepreneurs, and get a glimpse into the future of impact entrepreneurship with founders leveraging exponential technologies and building platforms to solve our world's most intractable problems at scale.

Startup: Network Society Research pitch

David Orban

Startup: Hardera pitch

Francisco Rodrigues Gomes

Startup: FREDsense Technologies pitch

David Lloyd

Startup: Biko pitch

Emilio Pombo - TBD

Startup: JustDiggIt pitch

Olivier Maes

Panel: Scaling Global Platforms

Moderator: Anitha Vadavatha

Olivier Maes, JustdiggIt

David Lloyd, FREDsense

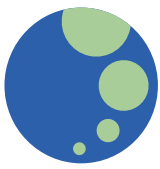
3:55 PM

**FRANCISCAN D**

**BREATH WORKSHOP**

Sierra Campbell





**4:15 PM GRAND BALLROOM B**  
**FREEDOM+SOCIETY X 10**

Darius Simpson, *Youth Speaks*

**Social Media & Responsibility**

Moderator: David Kirkpatrick, *Founder & Editor-in-Chief, Technomy and Author of "The Facebook Effect: The Inside Story of the Company that is Connecting the World"*

Roger McNamee, *Investor, Venture Capitalist & Musician*

Meighan Stone, *Fellow, Council on Foreign Relations*

Social media has transformed the way we interact and gather information, affecting everything from popular culture to what we buy and whom we elect. Given all that we know about their influence, how should social media companies behave differently?

**Why Bitcoin Matters for Freedom**

Alex Gladstein, *Chief Strategy Officer, Human Rights Foundation*

Governments throughout history have always bent technology to their advantage. Today, nation states have built staggering surveillance systems, and continue to exert more control over their citizens. Can decentralized networks like bitcoin help strengthen civil liberties and challenge this consolidation of power? HRF's Alex Gladstein provides a tour of how technology is being used against us, and shows how it just might be the one thing that can save our privacy and freedom.

**Our People-Centered Digital Future & the Exponential Era Ahead**

Dr. David Bray, *Impact & Disruption Faculty, Singularity University*

By the end of 2018, more than 50% of the world will have access to the internet – yet this milestone underscores there still is much work to do to complete the unfinished aspirations of the Internet to include: digital inclusion, online education, the future of work, data privacy, cyber-resiliency, counter-bullying, counter-misinformation, improved governance, and community-building. While we must provide access to every human to the Internet, we also must maintain our human rights, ensure that the Internet remains a force for good, and demonstrate a better way forward by championing positive "Change Agents" for the exponential future.

**The Ethics of Exponential Technologies**

Moderated by Georgia Frances King, *Ideas Editor, Quartz*

Neil Jacobstein, *Chair, Artificial Intelligence and Robotics Track, Singularity University*

Dr. Mary Lou Jepsen, *Founder & CEO, OpenWater*

Pablos Holman, *Inventor, Intellectual Ventures and Founder, Bombshell*

Even if we surge into the future with the best of intentions, it's often the corners we're not looking in that evil starts to fester. From algorithmic bias to affordability issues, the ethics of exponential tech often box out the people who most need its advances. This panel will ask the big questions often missing from earnings reports and board meetings: How can we balance innovation with mindful execution? How can we ensure emerging technologies are actually solving more problems than they're creating? And are we making lives better for others, or just better for ourselves?

**SU IMPACT STORIES**

Darlene Damm, *Vice Chair of Global Grand Challenges, Singularity University*

Brett Schilke, *Director of Impact, Singularity University*

**6:30 PM CLOSING**

Will Weisman, *Executive Director, Summits, Singularity University*

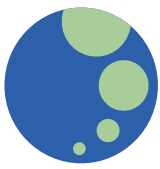
**EVENING ACTIVITIES**

**6:40 PM TRANSPORTATION TO GLOBAL SUMMIT CELEBRATION**

**7:00 PM GLOBAL SUMMIT CELEBRATION**  
**CALIFORNIA ACADEMY OF SCIENCES**  
**GOLDEN GATE PARK, SAN FRANCISCO**

Join us for an amazing evening in the world-class California Academy of Sciences. Mingle with your fellow attendees from around the globe amidst the Academy's abundance of exhibits.

Please Remember to bring your Summit Badge



7:00 AM

**FRANCISCAN D**

**BREATH WORKSHOP**

Mindful Mornings with Sierra

Sierra Campbell, *Founder & CEO, NurtureCo*

Start your day with guided breathing practices with Sierra Campbell. Each day we will explore dynamic breath-work practices to bring about a greater sense of self-awareness and overall improvement in mental, physical, and spiritual well-being.

**YOSEMITE A-C**

**BREAKFAST**

5 SU Companies at Demo Booths

7:00 AM- 3:00 PM

Yes, You Should Apply: Q&A with the Executive Program and Exponential Innovation Program Admissions Team

Chipp Norcross, *Vice President, Open Enrollment, Singularity University*

Connected Cities Leading the Next Wave of Innovation

Ben King & Karl Sanchack, *ErieID*

**CONTINENTAL PARLOR 1-3**

**EXPONENTIAL FAMILIES BREAKFAST**

Exponential Families only

9:00 AM

**GRAND BALLROOM B**

**FUTURE OF WORK BLOCK**

Eileen Torrez, *Youth Speaks*

**A Positive Future of Work**

Gary A. Bolles, *Chair for the Future of Work, Singularity University*

We all know the world of work is changing dramatically, and a dystopian narrative has captured global attention. It's time for a new, positive narrative - leveraging exponentials to enhance human capabilities, and developing effective strategies we can use to fuel an abundant future of work.

**A Future of More Human Work**

John Hagel, *Co-Chairman, Deloitte Center for the Edge*

Too often, the "future of work" conversation is framed as "win-lose" with companies and workers pitted against each other. In this session, we will explore some real examples of where the routine work of frontline workers has been redefined to be more fluid and creative, and what approaches others might take based on these experiences.

10:45 AM **BREAK**

**FRANCISCAN B**

**FOUNDERS CIRCLE BREAKFAST**

**Organizations & the Future of Work**

Steve Hatfield, *Principal, Workforce Transformation, Future of Work Market Leader, Deloitte*

The increasing impact of technological change, the rising power of the individual and new emerging talent models are accelerating evolution within organizations. In this session, we will draw on Deloitte's global 2018 Human Capital Trends Report and deep client experiences to illustrate the ways work, workforces and workplaces are adapting.

**Strategies for an Abundant World of Work**

Marco Annunziata, *Former Chief Economist and Head of Business Innovation Strategy, General Electric*

Mia Birdsong, *Family Centered Social Policy Program, New America Foundation*

John Hagel, *Co-Chairman, Deloitte Center for the Edge*

Jason Phillips, *Vice President Digital HR & Global Chief of Staff, Cisco*

Moderator: Gary A. Bolles, *Chair for the Future of Work, Singularity University*

How can our understanding of the key issues for individuals, organizations, communities and countries encourage us to build actionable strategies that can help create an abundant future of work?

**YOSEMITE A-C**

**GEMS Pitches**

Brett Schilke, *Director of Impact, Singularity University*



**10:50 AM** **YOSEMITE A-C**

**Forecasting Convergence**

Chipp Norcross, *Vice President, Open Enrollment, Singularity University*

**11:10 AM** **GRAND BALLROOM B**

**HEALTH BLOCK**

**Health & Medicine**

Dr. Daniel Kraft, *Chair, Medicine Track, Singularity University*

**Startups are Building the Future of Health**

Jun Axup, *Scientific Director and Partner, IndieBio*

As healthcare costs continue skyrocketing and patients outcomes staying the same, biotechnology startups are stepping in to reinvent every part of the system. Scientist entrepreneurs are finding first principle approaches to therapeutics, enhancing disease diagnosis into prediction, and empowering consumers to manage their health. Come hear about this revolution of biotech entrepreneurship and how you can join the movement.

**Democratizing Brain Health**

Mei Mei Hu, *CEO, United Neuroscience*

Health issues impact the poor far more than the affluent - and poor health is in fact a major contributor to keeping people poor. Mei Mei is focused on the future of brain health with a mission to develop effective treatments for neurological diseases that are accessible on a global scale.

**The Singularity Is Within**

Dr. Dean Ornish, *Founder & President, Preventive Medicine Research Institute and Clinical Professor of Medicine, UC San Francisco and UC San Diego*

Dr. Daniel Kraft, *Chair, Medicine Track, Singularity University*

Love and intimacy — our ability to connect with ourselves and others -- is at the root of what makes us sick and what makes us well, what causes sadness and what brings happiness, what makes us suffer and what leads to healing. If a new drug had the same impact, virtually every doctor in the country would be recommending it for his or her patients. How can we infuse this life-saving therapy into the way we heal?

**11:10 AM** **GRAND BALLROOM A**

**EXPONENTIAL LEARNING BLOCK**

Arvind Nandakumar, *Youth Speaks*

**Youth & the Future of Learning**

Esther Wojcicki, *Board Member, Planet 3*

Hla Hla Win, *Founder & CEO, 360ed*

Arvind Nandakumar, *Youth Speaks*

Derek Haoyang Li, *Yixue Squirrel AI Learning*

Moderator: Gary A. Bolles, *Chair, Future of Work, Singularity University*

We need to prepare our youth today for the rapidly-changing world of tomorrow. How can we transform primary and secondary education to provide the kind of experiences that will help them to become lifelong learners?

**Exponential Learning for Displaced Populations**

Meighan Stone, *Fellow, Council on Foreign Relations*

Meghann Rhynard-Geil, *Technology for Development Advisor on the Mercy Corps Technology for Development (T4D) team*

Moderator: Gary A. Bolles, *Chair, Future of Work, Singularity University*

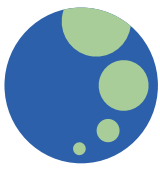
**Transforming Adult Learning**

Lisa Solomon, *Chair and Managing Director of Transformational Practices, Singularity University*

Chris Pirie, *General Manager, Field Readiness and Learning, Microsoft*

Dani Johnson, *Co-Founder & Principal Analyst, RedThread Research*

New technologies and new approaches to continuing education can help ensure we'll have the citizens and workers we'll need to solve tomorrow's problems.



**11:10 AM** **YOSEMITE A-C**  
**SU VENTURES PRESENTATIONS**  
 Welcome Remarks

Startup: Fastrack Institute, Inc. pitch  
 Pascal Finette, *Fastrack Institute, Inc. & SU Faculty Chair for Entrepreneurship & Open Innovation*

Startup: Optineo Group Inc. pitch  
 Danielle Mongelli

Panel: Rapid State of the Global Startup Industry  
 Moderator: Mikhail Holst, *SU Ventures*  
 Panelists:  
 Monique Giggy, *Managing Director, SU Ventures, Singularity University*  
 Pascal Finette, *Fastrack Institute, Inc. & SU Faculty Chair for Entrepreneurship & Open Innovation*  
 Olivier Younes, *Founding CEO, EXPEN*

Startup: Flow pitch  
 Jason Marsh

Startup: Golden Financial pitch  
 Evin Ollinger

Startup: Key2enable Assistive Technology pitch  
 Jose Rubinger

**IMPERIAL THEATER A + B**  
**BLOCKCHAIN BLOCK**  
 The Power of Decentralization  
 Laura Shin, *Host of Crypto Podcasts Unchained and Unconfirmed*

The Evolution of Bitcoin  
 Bill Barhydt, *Founder & CEO, Abra*  
 A short history of why all government-issued currencies have failed, why Bitcoin will succeed, and real-world examples of the new forms of commerce this digital currency enables.

Distributed Autonomous Organizations  
 Jason Sosa, *CEO, Blackbox Foundation*

Getting Current on Crypto  
 Galia Benartzi, *Co-Founder, Bancor Protocol*  
 Bill Barhydt, *CEO, Abra*  
 Mickey Costa, *Co-founder & CEO, Atlas Holdings Group*  
 Moderator : Laura Shin, *Host of Crypto Podcasts Unchained and Unconfirmed*  
 Are cryptocurrencies money, commodities, units of accounting for non-existent assets - or all the above? This session will bring together a range of perspectives on just what cryptocurrencies are, how they work - and how they are transforming our understanding of transactions.

Blockchain for Good  
 Anne Connelly, *Blockchain Faculty, Singularity University and Vice Chair of the Board, Blockchain Canada*  
 Cara LaPointe, *Senior Fellow, Beeck Center for Social Impact & Innovation, Georgetown University*  
 Moderator : Laura Shin, *Host of Crypto Podcasts Unchained and Unconfirmed*  
 How can blockchain-based solutions be a force for good? And what guidelines do we need to think about that can ensure blockchain technologies follow ethical principles?

**11:15 PM** **GOLDEN GATE 6-8**  
**WORKSHOP**  
 Jobs of Tomorrow: What's Next for Work, Workforce and Workplace  
 Steve Hatfield, *Principal, Workforce Transformation, Future of Work Market Leader, Deloitte*  
 Everyone is talking about the Future of Work... but what's the real story? Led by Deloitte Consulting's Workforce Transformation leaders, this three-part, interactive session will explore the disruptors that are changing the nature of the work we do, who does it, and where it gets done. We'll share Deloitte's perspective on what's happening and how it impacts you, and you will enjoy immersive experiences around the jobs of tomorrow and engage in activities to explore how the familiar jobs of today might be enhanced by technology in the future.

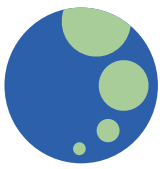
**12:45 PM** **FRANCISCAN C**  
**LUNCH**  
 Building the Exponential Enterprise of Tomorrow  
 Nick Davis, *VP Enterprise Solutions, Singularity University*  
 Carin Watson, *EVP Learning & Innovation, Singularity University*  
 Join us for an in-depth discussion about how today's enterprises must rethink their current strategy, structures, processes, and training in order to compete in an exponential future. We will discuss the latest trends impacting established organizations, and offer a helpful framework for how to build an Exponential Enterprise prepared to navigate toward the future. If you're wondering, "How can I take these new ideas and insights from the Summit back to my CEO/team/company?", this session is for you.

**12:45 PM** **GENERAL PARTICIPANT LUNCH**  
**CONTINENTAL BALLROOM**

**VIP & FOUNDERS CIRCLE LUNCH**  
**PLAZA A/B**

**EXPONENTIAL FAMILIES LUNCH**  
 Exponential Families only  
**CONTINENTAL PARLOR 1-3**

**2:00 PM** **TRANSITION BACK TO GRAND BALLROOM B**



**2:15 PM GRAND BALLROOM B**

**CLOSING SESSION**

Turning Exponential Insights into Action

Ricardo Vargas, *Executive Director, Brightline Initiative*

Geoff Tuff, *Principal, Deloitte, Author & Speaker*

Ellen Levy, *Managing Director, Silicon Valley Connect*

Natalie Petouhoff, *VP, Customer Service Innovation and Business Transformation, Salesforce*

Moderator: David Kirkpatrick, *Founder & Editor-in-Chief, Techonomy and Author of "The Facebook Effect: The Inside Story of the Company that is Connecting the World"*

Now that we've heard so many different insights into the ways that exponential technologies can transform our industries, our organizations, and our lives, what actionable strategies can we take back to help create a positive impact?

**3:10 PM FRANCISCAN D**

**BREATH WORKSHOP**

Sierra Campbell

**3:20 PM BREAK**

**3:40 PM GRAND BALLROOM B**

Future of Human Potential

Vivienne Ming, *Founder & Executive Scientist, Socos*

Exponential technologies have the capability to enhance and accelerate our abilities, helping us to reach our full potential as human beings. Come learn how the combination of neuroscience and artificial intelligence can complement our growing understanding of the human brain to dramatically increase our ability to learn and to achieve.

Dimensions of Exponential Potential

Samuel Getachew, *Youth Speaks*

Why is your organization not ten times bigger or better?

David Roberts, *Technology Disruption & Exponential Leadership, Singularity University*

David Roberts has led the development of some of the most complex systems ever built and has been the keynote speaker for many of SU's Singularity Summits around the world. As a prior two time Director of Singularity University's Graduate Studies Program and Distinguished Faculty he is known for his exceptional and unique insights into extraordinary performance, outcomes and results from the United Nations, to country leaders, enterprise corporations, startups and individuals. Without complexity or elusiveness In this talk he answers the question "Why is my organization not ten times bigger or better?"

**5:30 PM Closing**

Will Weisman, *Executive Director, Summits, Singularity University*

Visions of the Future

Greg Cross, *Chief Business Officer, Soul Machines*

Rob Nail, *CEO & Associate Founder, Singularity University*

Special Guest

Breathtaking ideas about a future enabled by exponential technologies.

## POST SUMMIT ACTIVITIES

**FOUNDERS CIRCLE & VIP CLOSING RECEPTION**

**CONTINENTAL PARLOR 1-3**

**EXPONENTIAL FAMILIES CLOSING RECEPTION**

Exponential Families only

