FiRe 2019

A STRATEGIC NEWS SERVICE CONFERENCE

Please check the Whova app or www.futureinreview.com/agenda for the latest Agenda updates.

TUESDAY, OCTOBER 8

4:00-6:00: Registration and Cocktail Reception (Adult partners welcome) – *Arroyo Terrace*

5:45: Welcome and Introductions to FiReFellows & Staff: Berit Anderson – *Arroyo Terrace* **–** Followed by a swift, guided move to the **Maurice Braun Ballroom – *Open Seating***

6:00-7:00: Dinner – *Maurice Braun Ballroom*

7:00-7:10: Opening Comments: Mark Anderson – *Maurice Braun Ballroom*

7:10-9:00: <u>Keynote:</u> **"Exponential Technologies for Preventing & Reversing Genetic & Epigenetic Disasters":** George Church

9:00 + : Q&A and Discussion

WEDNESDAY, OCTOBER 9

7:00-8:00: Buffet Breakfast – *Arroyo Terrace*

7:50-8:00: Welcome & Opening Remarks: Mark Anderson – *Maurice Braun Ballroom*

8:00-8:30: "Autonomous Vehicles As a Strategic National Asset": Bob Flores and Georg Kopetz; w/ moderator Mark Anderson

8:30-9:00: <u>Centerpiece:</u> "The Era of International Cyber Aggression": Dmitri Alperovitch w/ host Kimberly Dozier

9:00-9:30: "Surveillance, Cities, and Facial Recognition": Ilshat Kokbore w/ host David Brin

9:30-10:00: "The Genetically Altered Future": George Church w/ host David Ewing Duncan

10:00-10:30: "Reinventing Personal Health Through Circadian Rhythms": Satchin Panda, Larry Smarr, and Pam Taub; w/ moderator David Ewing Duncan

10:30-11:00: BREAK – *Charles Reiffel Room*

11:00-11:30: <u>The FiRe CTO Design Challenge:</u> "Building a New Internet to Protect People and Data": *Judges:* Mark Anderson & others TBA; *Challenge Team:* James Barrese, Bob Flores, Junaid Islam, Paul Maher, Richard Marshall, Anand Rao, Marcus Sachs, and others TBA

11:30-12:00: "Funding New Innovation: Trends and Stories from Venture Capitalists": Bill McAleer, Ann Winblad, and Joel Yarmon; w/ moderator Hillery Nye

12:00-1:00: LUNCH – *Arroyo Terrace*

1:00-1:30: <u>Centerpiece:</u> "Visualizing Uncertainty": Chris Johnson w/ host Mark Anderson

1:30-2:00: <u>Centerpiece:</u> "Revolutionizing Encryption": Joseph Hopkins w/ host Marcus Sachs

2:00-3:00: FiReStarter Presentations: Introduction by Berit Anderson – Presentations by **Ecellix**, **Cloudeo**, **Tempered Networks**, **BioLogiQ**, **AgilePQ**, **Planet Ark Power**, and **Joule Case**

3:00-4:00: BREAK – *Charles Reiffel Room*

4:00-5:00: <u>Workshops:</u>

I. CTO Design Challenge Working Group – *Charles Fries Room*

II. "Solve for X: Using AI to Decode Whale Linguistics": With David Gruber – *Everett Jackson Room II*

III. FiReFilms: Meet the Directors: Chris Hegedus, Lindsay Keys, Judy Korin, Pedro Kos, and Elizabeth Unger; with moderator Sharon Anderson Morris – *Everett Jackson Room I*

IV. Solve for X: "Tracking Regenerative Agriculture's Climate Gains"; with moderator Pamela Brody-Heine

5:00-7:00: <u>Reception:</u> Meet the FiReStarters, Partners, and Exhibitors: Exhibition and Reception, including champagne toast, beverages, and hors d'oeuvres – *Charles Reiffel Room*

7:00-9:00 + : <u>FiReFilms 2019 Featured Screening:</u> Intro: FiReFilms CEO Sharon Anderson Morris (7:00-7:05); *SEA OF SHADOWS* (7:05-8:50); Discussion and Q&A w/ Andrea Crosta and Sharon Anderson Morris & Skype from Vienna with director Richard Ladkani (8:35-9:00). Adult partners welcome; cash-only bar. *Sponsored by Oracle. – Maurice Braun Ballroom*

7:00-8:00: Buffet Breakfast – *Arroyo Terrace*

7:55-8:00: Welcome and Announcements: Berit Anderson – *Maurice Braun Ballroom*

8:00-8:30: Keynote: "China's Economic Strategy": Kim Stanley Robinson and Mark Anderson; w/ moderator Kimberly Dozier

8:30-9:00: "The Future of Human-AI Interaction in Medicine": Caitlin Cameron, Shalev Lifshitz, and John Mattison; w/ moderator John Wells

9:00-9:30: "Tunnel Vision: Foundational Issues in AI": Andrew Fano, Paul Maher, and Anand Rao; w/ moderator John Wells

9:30-10:00: "Teaching Cars to See: Sensor Tech in the Autonomous Industry": James Barrese and J. Augusto de Oliveira; w/ moderator Jim Louderback

10:00-10:30: "Decoding the Microbiome": Jack Gilbert, Rob Knight, and Kimberly Prather; w/ moderator Larry Smarr

10:30-11:00: BREAK – *Charles Reiffel Room*

11:00-11:30: Centerpiece: "In Defense of Democracy: How Taiwan Stands Up to Xi Jinping": H.E. Ambassador Abraham Wen-Shang Chu w/ host Evan Anderson

11:30-12:00: "What the Federalism: The Election Machines Are Broken": Harri Hursti and Thomas Aidan Curran; w/ moderator Jody Westby

12:00-12:30: FiReFilms: "Documentary Films Changing the World": Chris Hegedus, Andrea Crosta, Elizabeth Unger, Judy Korin, and Lindsay Keys; moderated by Sharon Anderson Morris

12:30-1:30: LUNCH – *Arroyo Terrace*

1:30-2:00: "Scalable Technologies for the Climate Crisis": Ali Douraghi, Aaron Fyke, and Stephen Honikman; w/ moderator Cynthia Figge

2:00-2:30: "Why IT Isn't Ready for IoT": Steve Fey, Anne Hardy, and Derek Harp; w/ moderator Greg Ness

2:30-3:00: "Hotspots: Views of the Future": Pamela Brody-Heine, Charlie Corredor, David Gruber, Junaid Islam, and Edy Liongosari; w/ moderator David Ewing Duncan

3:00-3:30: "Building a Nation's Wealth Through Corporate Business Model Diversity": William Ribaudo, w/ host John Wells

3:30-4:00: BREAK – *Charles Reiffel Room*

4:00-6:30: Tour of UCSD Qualcomm Institute & San Diego Supercomputer Center (*Limited to registered FiRe Attendees ~ Meet buses outside lobby at 4:00 for transport to UCSD*)

6:30-8:30: Dinner off-agenda: Ask the Concierge for suggestions in La Jolla! Then reconvene for ...

8:30-11:30: The FiRe Social: Join your fellow FiRe attendees for cocktails and conversation! – *Blacker Suite and Gamble Suite*

Friday, October 11

8:00-9:00: Buffet Breakfast – *Arroyo Terrace*

9:00-9:30: Centerpiece: "Beyond 5G": Paul Jacobs, w/ host Mark Anderson

9:30-10:00: "Why Do the Board and the Security Team Live on Different Planets?" Vanessa Pegueros w/ host Art Kleiner

10:00-10:30: "Incubating Creative Solutions to the World's Most Difficult Problems": Susi Snyder and Berit Anderson; w/ moderator Kimberly Dozier

10:30-11:00: "Accelerated: The Next Generation of Computing": Osh. Agabi and Michael Norman; w/ moderator Larry Smarr

11:00-11:30: "Will the Next Internet Be Built on Satellites?": Mark Dankbert w/ host Mark Anderson

11:30-12:00: Conclusion & Report-Out: FiRe CTO Design Challenge: "Building a New Internet to Protect People and Data": *Judges:* Mark Anderson & others TBA; *Challenge Team:* James Barrese, Bob Flores, Junaid Islam, Paul Maher, Richard Marshall, Anand Rao, Marcus Sachs, and others TBA

12:00-1:00: Closing Remarks and "Your Turn: The Next Five Years: Audience Questions & Comments": w/ Mark Anderson

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