

TRANSPORTATION

FUTURE

2020



Trans- portation - FUTURE INTERNATIONAL CONFERENCE

SEPTEMBER 6TH
PORTO
PORTUGAL

DEAR READER

Transportation is expected to radically change in the next few years. The question is: when and how will it change? Failure on anticipating the near future will make a tremendous impact on big companies. Winners will become (or reinforce their position as) multi-billion dollar companies. Losers are expected to bankrupt very fast. So, you cannot miss the opportunity to participate in this conference and surf the wave, that is going to change everything.

This conference is designed to help you navigate this transformative environment and make the right bets. Our amazing speakers are going to be presenting the most fascinating developments, but the investment decision is up to you. You will learn about low-speed autonomous urban air transportation, innovation in the rail industry, autonomous cars, hyperloops, and many other topics.

Transportation Future's Team





OUR VISION

Transportation Future provides people around the world the opportunity to hear the most remarkable leaders in the emerging fields of transportation. Our purpose is to educate and empower everyone to join our efforts, and to provide everyone with the opportunity to learn from the top leaders in the field.

It is our mission not only to educate everyone, but also to serve as a platform where everyone can have an active role on making the future a reality.

It is our goals to inspire and empower each participant to become an active agent. We believe that everyone around the world will be able to have a contribution on bringing amazingly profitable products and services to the market.

Regardless of where each participant lives, we are bringing everyone online, giving everyone the opportunity to participate in the process of changing the current status quo, and giving everyone the opportunity to join this global effort, affordably, easily, and comfortably.

Our mission is to empower everyone to join our goals, by educating, and providing the proper tools for action, as well as by providing orientation and mentorship from the best in the world.

We believe we can make the world a better place... together...



COMMUNITY MAP



NORTH AMERICA

USA • Canada

EUROPE

France • Germany • England
Italy • Portugal • Spain • Greece

ASIA

India • China • Russia

SOUTH AMERICA

Brazil • Mexico • Argentina

AFICA

Angola • Marrocos

OCEANIA

Australia • New Zealand

PROGRAM OVERVIEW

TRANSPORTATION

FUTURE



MORNING

PROGRAM OVERVIEW

08:30 - REGISTRATION

09:00 WELCOME SPEECH

09:30 - TALK

AUTOMOBILE INDUSTRY
The Future of the Automobile Industry

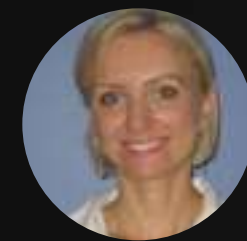


FRANCISCO
T. BRAM

[View Speaker »](#)

10:00 - TALK

AUTONOMOUS VEHICLES
Autonomous Vehicles



DR. JUSTYNA
ZANDER

[View Speaker »](#)

10:30 - DEBATE PANEL

DEBATE PANEL ON
Autonomous Vehicles and the Automobile industry



STEVEN A.
GARAN Ph.D.

[View Speaker »](#)



SIMON
DANIEL, MA

[View Speaker »](#)



NUNO
MARTINS, Ph.D.

[View Speaker »](#)



TRANSPORTATION

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PROGRAM OVERVIEW

11:00 - TALK

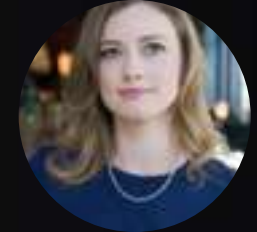
TRANSPORTATION SUSTAINABILITY
Transportation Sustainability



**BORIS CARÍKËO
AGUILERA, Ph.D**
[View Speaker »](#)

11:30 - TALK

TRANSPORTATION IN SMART CITIES
Transportation in Smart Cities



**JESSICA
SCORPIO**
[View Speaker »](#)

12:00 - TALK

URBAN AIR MOBILITY
Urban air mobility in smart cities.



**WILLIAM
FALOON**
[View Speaker »](#)

12:30 - DEBATE PANEL

DEBATE PANEL ON
Smart cities and the urban air mobility of the future



**NAVEEN
JAIN**
[View Speaker »](#)



**JAMES
HUGHES Ph.D**
[View Speaker »](#)



**GIORGIO
GAVIRAGHI**
[View Speaker »](#)

13:00 - LUNCH AND NETWORKING



AFTERNOON

PROGRAM OVERVIEW

14:30 - TALK

IMPROVING CURRENT
MOBILITY SYSTEMS
Improving current mobility systems



FRANCISCO
T. BRAM

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15:00 - DEBATE PANEL

PANEL DEBATE ON
Improving current mobility systems



STEVEN A.
GARAN Ph.D.

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SIMON
DANIEL, MA

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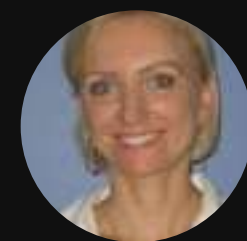


NUNO
MARTINS, Ph.D.

[View Speaker »](#)

15:30 - TALK

FUNDING TECHNOLOGIES
Funding Emerging Technologies



DR. JUSTYNA
ZANDER

[View Speaker »](#)



PROGRAM OVERVIEW

16:00 - DEBATE PANEL

PANEL DEBATE ON
Funding Emerging Technologies



**NAVEEN
JAIN**

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**JAMES
HUGHES Ph.D**

[View Speaker »](#)



**GIORGIO
GAVIRAGHI**

[View Speaker »](#)

16:30 - TALK

MOBILITY AS A SERVICE
Mobility as a Service



**BORIS CARÍKĚO
AGUILERA, Ph.D**

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17:00 - DEBATE PANEL

PANEL DEBATE ON
Mobility as a Service



**STEVEN A.
GARAN Ph.D.**

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**SIMON
DANIEL, MA**

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**NUNO
MARTINS, Ph.D.**

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17:30 - CLOSING CEREMONY

SPEAKERS



FRANCISCO T. BRAM

Customer obsessed marketing leader with 10+ year track record of global business marketing and strategy. Transformational leader with an ability to work independently, creating effective presentations, driving customer acquisition and engagement and elevating a company's position in revenue, market share and brand adoption.

Successful track record leading global teams, with expertise spanning brand, digital and online marketing, B2B and B2C product marketing, lead generation, partner marketing, go-to-market (GTM) strategy, product messaging, pricing and storytelling, cross-functional team leadership and client relationship management.



Customer obsessed marketing leader



JUSTYNA ZANDER

Dr. Justyna Zander joined NVIDIA in late 2016 to work on autonomous driving and AI. In 2018, she was listed at Business Insider's annual list of the Most Powerful Women Engineers. In 2017, she won SWE Emerging Leader Award (for earning international recognition for breakthrough work in computer science and engineering; and for dedication to exploring the impact of computational technology advances on society).

In 2016, she was a Software Architect and Technology Lead in autonomous driving at Intel. Before, she spent over a year working on self-driving cars, ADAS, and functional safety as a senior consultant in Germany. She engaged with Fortune 500 companies including most prestigious automotive OEMs. Earlier, she was representing MathWorks, Inc. as a team lead running a project on Smart Emergency Response System 2013-2015, a US White House initiative. Before, she spent three years as a postdoctoral research scientist at Harvard University and seven years as a senior scientist at the Fraunhofer Institute in Germany.

She holds PhD, MSc, and two BSc degrees in Computer Science and Electrical Engineering.

Her expertise includes modeling, simulation, mapping,



Founder, entrepreneur, public speaker,
inventor, and an established scientist

SPEAKERS

deep learning, validation and verification, functional safety, computing platforms, and rapid prototyping with worldwide operations focus.

She holds 7 patents, 12 patent applications at USPTO, coauthored over 40 publications, 3 books, and was cited nearly 1000 times. Recognized internationally with countless awards (IEEE, European Union, NIST, SWE, SAE, Falling Walls, etc). Regularly serves as a technical committee member for more than 50 journals and conferences. Advises government strategy and research roadmaps; invited by NSF, EU Commission, national councils; member of Steering Committees.

Founder, entrepreneur, public speaker, inventor, and an established scientist. She also graduated from Singularity University, Mountain View, CA, USA in a program on exponentially-growing technologies.

In short: Technology director. Initiatives leader and team lead for large high-tech geographically-distributed systems. Public speaker, author, inventor, flexible, intense, passionate. Personality biased toward creating solutions.



STEVEN A. GARAN PH.D.

Steven A. Garan is the Director of Bioinformatics at CREA and serves on its Advisory Board, he is also a researcher at the Lawrence Berkeley National Laboratory. While at the University of California, Berkeley, he played a major role in the invention and the development of the Automated Imaging Microscope System (AIMS). While at UC Berkeley, Garan collaborated for many years with a group from Paola S. Timiras's lab, on the role that caloric restriction plays in maintaining estrogen receptor-alpha and IGH-1 receptor immunoreactivity in various nuclei of the mouse hypothalamus. Garan was also the director of the Aging Research Centre, and is a leading scientist in the field of aging research. His numerous publications, include articles on systems biology, the effects of caloric restriction on the mouse hypothalamus and on the Automated Imaging Microscope System (AIMS). He is best known for the coining of word "Phenomics", which was defined in an abstract titled: "Phenomics: a new direction for the study of neuroendocrine aging", that was published in the journal *Experimental Gerontology*.

Steven A. Garan, was the lead scientists that developed the AIMS system along with Warren Freitag, Jason Neudorf and members of the UC Berkeley lab where AIMS was developed and utilized. Many journals articles have been published about the system and the

SPEAKERS

results that it produced. Since the completion of the first version in 1998, newer versions were developed, with the final version being completed in 2007. Empowering investigators to accurately count specific cell populations is essential to all fields of neurobiology. While computer assisted counting technology has been in use for over a decade, advances in an Automated Imaging Microscope System (AIMS), now insure 97% accuracy when comparing computer counts to human counts for both nuclear and cytoplasmic stained tissue. More importantly, regional analysis can now be customized so that only cell populations within specified anatomic regions will be targeted for counting, thus reducing the background noise of non-immunoreactive cells when characterizing specific cell populations. This application was recently used to successfully map the density and distribution of both nuclear expressed estrogen receptor-alpha and cytoplasmically expressed IGF-1 receptor in specific hypothalamic nuclei. Furthermore, AIMS can now detect intra-hypothalamic differences in receptor expression and measure phenomenon such as lateralization. By using this technology, the evaluation of tissue-level biology can be used to establish neuroendocrine biomarkers of aging, and analyze the neuroendocrine effects of caloric restriction and gene knockout models that extend the lifespan.

Director of Bioinformatics at CREA

SIMON DANIEL, MA

Simon Daniel, MA is Founder & CEO of Moixa Group, which includes Moixa Design (pioneering next generation devices), Moixa Energy Holdings (creators of eco-friendly battery category USBCELL and home energy technology), and other research interests.

Moixa Technology Ltd has developed a range of home energy solutions that provide smart energy monitoring, easy to install microgeneration and storage, and provide efficient power via smart DC Hubs, DC micronets which can re-use household wiring to power home lighting, or provide smart DC sockets for appliances.

Their vision is to change the way we produce and consume electricity in homes. Specifically through focusing on the "Longtail" of energy consumption — using advanced monitoring and control to reduce high load appliance use, and through using smart DC micronets to reduce the inefficiencies of trillions of DC/low power

lighting and electronic devices being powered from the grid via AC/DC adaptors.

The systems are designed to ensure rapid behavior change and for rapid installation into mass market to ensure that "No home is left behind" in adoption of low cost renewable energy solutions that can help power devices both off-grid or off-peak, and thereby help with the wider problem of grid peak demand balancing and energy security.

Simon authored Something wonderful, "South Park meets Harvard", My summer at the Woodstock for technologists, Life after the Singularity, Life returns after travelling through the Singularity.

Simon earned his MA in Natural Sciences at University of Cambridge and is a graduate of Singularity University.



Founder & CEO of Moixa Group



NUNO MARTINS, PH.D.

Nuno is a polymath, a researcher, an entrepreneur, and a life and health extension advocate. As a polymath, he usually likes to make use of different subject areas, drawing ideas and concepts from different bodies of knowledge to solve specific problems.

As an illustrative example, his published papers involve several fields of research, for example: quantitative neuroscience, computer science, nanotechnology, robotics, and others. Several previous education experiences have supported and nurtured his polymath approach to problems. As a researcher, he is interested in any scientific, engineering, or technological development with potential applications or consequences for healthy life extension. Along these lines, he is currently focused on developing technologies for human healthy life extension.

In business, he created his own company to fund his education. Along the way, several academic awards and grants contributed to his necessary funding strategy. The growth of his original company permitted him to create a business group embracing a set of different companies that operate in a large spectrum of business sectors, including: business consulting,

SPEAKERS

education, information technologies, healthcare services, online sales, and several others.

On life extension related topics, early in his life, motivated to take control of his own health he decided to make several courses related to health-care, body training and nutrition. Thus, he completed several courses related to life and health care, for example, he is a swimming teacher, a professional tennis teacher, a body-building and aero- fitness teacher, a power-lifting professor, and he completed also several courses in nutrition and sleep optimization.

As public speaker Nuno participates in conferences and meetings providing high quality professional presentations in his style. One of Nuno's public appearances was on a groundbreaking large conference (attended by approximately one thousand attendees), where Nuno presented along with amazing celebrities, such as: the visionary billionaire Peter Nygard, the always inspiring Suzanne Somers, and the famous futurist Ray Kurzweil, among many other celebrities.. Nuno makes easy the understanding of technical challenging subjects, making accessible to the general audience the most difficult problems.

Polymath, researcher, entrepreneur,
and a healthy life extension advocate

BORIS CARÍKĚO AGUILERA, PH.D

Boris Carikeo Aguilera is an electronic engineer, technopreneur, economist, academic, and futurist, who has worked on different areas including technology policy, sustainable development, Latin America, systems of innovation & entrepreneurship, public policy, health technologies, higher education, information technologies and Future Studies.

Carikeo was born in Tomé, Chile, from Mapuche estirpe, people from South America whose nation "The Wallmapu" existed in part of what is today Argentina and Chile.

Carikeo obtained his Engineer degree and Master of Science (MII) degrees in Industrial Engineering at the University of Concepcion (UDEC), Concepción, Chile. Obtained a Masters of Business Administration (MBA) at Bio Bio University. He subsequently studied his Master in Applied Economics at Georgetown University in Washington, USA, and at the International University of Andalucia, Spain, a specialization in Political science in iberoamerica. He started his doctoral degree in Policy and Management of Higher Educación at Untref Public University, Buernos Aires Argentina.

After graduating, Carikeo was responsible for the delivery of technologies in entrepreneur program in Morocco (North of África), Instructional designer at World Bank project working for in five countries (Peru, Chile, Bolivia, Ecuador, Venezuela) from Andes región, and Tutor of courses and e-government projects through OAS – Sedi. (across all Latin America and caribien). As a consultant for higher educational institutions, he worked in knowledge management, future studies, Elearning, quality management, institutional design in Argentina, Peru, Brazil, Ecuador and El Salvador. He currently works for several universities as an academic and consultant.

Carikeo entered into the area of health in 2000, through information technologies, and in particular in hardware technology and in 2010 with information analysis using data mining and artificial intelligence to discover patterns of medical diagnosis, deductive models and drug preferences in Public health systems in Chile in the context of the academic activities.

Engineer, technopreneur, economist,
academic, and futurist



JESSICA SCORPIO

Jessica is the Founder and Director of Marketing at Getaround. She completed the inaugural class of Singularity University and is a founding member of the Global Shapers Community of the World Economic Forum. Jessica previously founded IDEAL, a non-profit focused on connecting young leaders with seasoned experts and worked in the Canadian Prime-Minister's office as a writer and brand marketer.



Founder and Director of Marketing at
Getaround



WILLIAM FALOON

Since 1980, Bill Faloon and The Life Extension Foundation have uncovered pioneering approaches for preventing and treating the diseases of aging.

These avant-garde advances were meticulously chronicled in Life Extension's publications many years before conventional doctors recognized them. In order to enlighten supporters to these life-saving therapies, Bill Faloon compiled a 1500-page medical reference book titled Disease Prevention and Treatment that is now in its 5th printed edition.

To educate the public about Life Extension's innovative medical protocols, Bill Faloon has been featured in hundreds of media appearances including The Phil Donahue Show, The Joan Rivers Show, Tony Brown's Journal, ABC News Day One, and Newsweek magazine. A review of what Bill Faloon and The Life Extension Foundation has accomplished over the past 37 years reveals just how badly conventional medicine lags behind lifesaving scientific advances. Bill Faloon has authored books exposing the atrocities committed against the American public by FDA bureaucrats, including Pharmocracy, which reveals how corrupt deals and misguided medical regulations are bankrupting America and what can be done to resolve it. Back in 1980, few scientists believed that anything could be done to prevent the degenerative effects inflicted by aging.

To counter this misconception, William Faloon pointed to then-current scientific studies showing that it was possi-



Co-Founder Life Extension

SPEAKERS

ble to prevent some age-related diseases and to slow the aging process itself, at least in animals. He argued that if enough funds were committed to research, therapies to retard human aging could be developed that would result in the greatest revolution in medical history. Being controversial carries a heavy price. The federal government raided his facilities twice, initiated an 11-year criminal investigation, and threw him and Saul Kent in jail in 1991. When the FDA conducted its first armed raid in 1987, the Life Extension Foundation had only 4,000 members.

Thanks to publicity generated by the FDA's actions, this number grew to 25,000 members by the time his criminal indictments were dismissed in 1995. LEF now has over 300,000 supporters to whom it mails its monthly Life Extension Magazine. Support for the nonprofit Life Extension Foundation is at an all-time high because people are becoming aware that recommendations published by Life Extension in the early 1980s are now scientifically validated and many even accepted by the medical establishment.

Bill Faloon's priority today is accelerating regenerative medicine research projects. Based on published findings in animal models and preliminary findings in people, there may already exist methods to systemically reverse biological aging. Bill Faloon will provide an update on these rejuvenation initiatives during his Healthy Masters talk on December 2, 2017.

NAVEEN JAIN

Naveen Jain is an entrepreneur and philanthropist driven to solve the world's biggest challenges through innovation. He is the founder of several successful companies including Moon Express, Viome, Bluedot, TalentWise, Intelius and InfoSpace. Moon Express is the only company to have permission from the US government to leave earth orbit and land on the moon. We are developing technologies to harvest planetary resources on the moon and developing infrastructure to make humanity a multi-planetary society.

Viome is focused on disrupting healthcare with the goal of "making illness elective". We have developed technologies to analyze the biochemistry and ecosystem of our body that consists of millions of metabolites and trillions of micro-organisms.

Our plan is to identify biomarkers that are predictive of chronic diseases and prevent them through personalized diet & nutrition. Naveen Jain a trustee of the board at the X PRIZE Foundation where he is focused on finding entrepreneurial solutions to address the global challenges in health, education, women empowerment, agriculture, and energy

He recently launched a million-dollar Women Safety XPRIZE to empower the women around the world. Naveen Jain is on the board of Singularity University, an interdisciplinary university with the mission to educate and inspire leaders to address humanity's grand challenges through innovative technologies.

Naveen Jain has been awarded many honors for his entrepreneurial successes and leadership skills including "Ernst & Young Entrepreneur of the Year", "Albert Einstein Technology Medal" for pioneers in technology, "Humanitarian Innovation Award" at the United Nations, "Distinguished Global Thinker Award" by IILM, "Most inspiring Entrepreneur" by Andaz TV, "Most admired Serial Entrepreneur" by Silicon India, "Top 20 Entrepreneurs" and "Lifetime Achievement Award" for the leadership in the technology industry and support of other entrepreneurs by Red Herring. Whether it's business or life, Naveen is guided by one firm belief – Our only limit is our imagination.



Founder and CEO (or/and Chairman) of Moon Express, Viome, Bluedot, TalentWise, Intelius and InfoSpace

JAMES HUGHES PH.D.

James Hughes Ph.D., the Executive Director of the Institute for Ethics and Emerging Technologies, is a bio-ethicist and sociologist who serves as the Associate Provost for Institutional Research, Assessment and Planning for the University of Massachusetts Boston. He holds a doctorate in sociology from the University of Chicago, where he also taught bioethics at the MacLean Center for Clinical Medical Ethics. Dr. Hughes is author of *Citizen Cyborg: Why Democratic Societies Must Respond to the Redesigned Human of the Future*, and is working on a second book tentatively titled *Cyborg Buddha*. From 1999-2011 he produced the syndicated weekly radio program, *Changesurfer Radio*.

Dr. Hughes is a Fellow of the World Academy of Arts and Sciences, and a member of Humanity+, the Neuroethics Society, the American Society of Bioethics and Humanities and the Working Group on Ethics and Technology at Yale University. He serves on the State of Connecticut Regenerative Medicine Research Advisory Committee (formerly known as the Stem Cell Research Advisory Board).

Dr. Hughes speaks on medical ethics, health care policy and future studies worldwide.



Executive Director of the Institute for
Ethics and Emerging Technologies



GIORGIO GAVIRAGHI

Giorgio Gaviraghi received his Architectural degree from the Milan Polytechnic. He has since taken part in a number of graduate courses in management, marketing and design in several major universities.

At first as Project Architect, later as Project Manager, where he was responsible to deal with international projects for the Austin Co. an international design and construction company, he has built a distinguished career across the globe. He has acted as CEO for international companies operating in Europe, the US, Latin America and the Middle East in the field of design and construction, aerospace facilities, real estate and touristic resorts development.

In several capacities he was responsible for major initiatives, some worth over 5\$US, such as the design and project management for the reconstruction of thousands of buildings damaged by the Friuli earthquake, an aerospace facility for commercial aircraft final assembly for Aeritalia – Boeing, an aircraft overhauling facility for HAI in Greece, advanced testing facilities for SDI initiative in the US, high rises buildings in New York, several touristic resorts in Sardinia and the Red Sea region.



Founder and CEO of EDL

SPEAKERS

An achiever of international competitions in innovative products and systems for industrial design. Giorgio has specialized in space architecture for advanced projects and proposals for major space agencies. Winning as tutor for college and high school students over 18 prizes in international space settlements and space related projects.

Partner of the MAAT project consortium for revolutionary airship-based air transportation system sponsored by the EU. Founder of the Star Voyager organization for the advancement of space development and interstellar travel.

Founder and CEO of edl (exponential design lab) in Latin America specialized in advanced and global projects. Author of over 80 papers ranging from space, transportation, city planning, design and other topics, including authoring articles and books, the latter Global Challenges by Lambert Pub.

Delivered several courses at universities in Europe and Latin America. Actually professor at UFMT in Brazil, teaching Exponential Creativity a disruptive post graduate course



TICKET OPTIONS



TICKET OPTIONS

ESSENCIAL

€745

BUY TICKET

- ✓ Full access to all talks
- ✓ Full access to all panels of debate
- ✓ Full access to Expo Area

VIP

€1230

BUY TICKET

- ✓ Full access to all talks
- ✓ Full access to all panels of debate
- ✓ Full access to Expo Area
- ✓ 3 nights of accommodation
- ✓ 3 breakfasts
- ✓ Access to the 2 main networking lunches with speakers
- ✓ **VIP** seating

PREMIUM

€2460

BUY TICKET

- ✓ Full access to all talks
- ✓ Full access to all panels of debate
- ✓ Full access to Expo Area
- ✓ 3 nights of accommodation
- ✓ 3 breakfasts
- ✓ Access to the 2 main networking lunches with speakers
- ✓ **PREMIUM** seating
- ✓ One VIP Gift Ticket for friends

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