

The Tim Ferriss Show Transcripts

Episode 56: Peter Diamandis

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Tim Ferriss: Hello, my clever little monkeys. This is Tim Ferriss, and welcome to another episode of *The Tim Ferriss Show*, where I interview world-class performers ranging from billionaire investors to chess prodigies and everything in between to try to dissect how they do what they do. The tools, the tricks, the resources that you can use. In this episode, I'm having a chat with my friend Peter Diamandis. Dr. Peter Diamandis has been named one of the World's 50 Greatest Leaders by *Fortune Magazine*. He has made a career out of doing the seemingly impossible, and he is an expert in thinking big, huge, beyond anything you could imagine. This entire episode is dedicated to helping you do exactly that. So without further ado, please meet Peter Diamandis.

Tim Ferriss: Peter, welcome to the show.

Peter Diamandis: Tim, great to be here.

Tim Ferriss: The guest who was so nice, we had to do it twice. We, of course, had you on with Tony Robbins, which was great fun, and I'm thrilled to have you back. For those who perhaps didn't catch Part 1, I'd love to give them a little bit of context on who you are because there are very few people I would actually put in the category of visionary because it's a very over-used term, but it's so appropriate for you. You've built something along the lines, or helped built, 15 or so companies at this point, but I'd love if you could give people a little bit of context and certainly mention XPRIZE, Planetary Resources and HLI.

Peter Diamandis: Yeah, sure, my pleasure, and thank you for having me back. I do appreciate it. I mean, fundamentally I'm a 9-year-old kid who's working on making my dreams come true. I have started, as you said, about last count is 17 companies, most of them in the space technology, space arena. Of late, it's been about solving the world's grand challenges. So I'm a medical doctor by training, molecular biologist and aerospace engineer. Since the age of 9, I wanted to fly into space. Started two universities: the International Space University and most recently and very proudly, Singularity University in Mountain View, in Silicon Valley, that teaches graduates and executives around the world about exponential technologies.

In the mid-'90s, frustrated by NASA not taking me and my friends to space, I decided to fund, raise money for a \$10 million prize. Didn't know who was going to put up the \$10 million, so I called it the XPRIZE to replace by the name. Eventually, the Ansaris put up the money – the Ansari family – so I called it the Ansari XPRIZE, but that \$10 million prize had 26 teams around the world who spent \$100 million building spaceships to try and win it. From there, started a company called Zero G that does weightless parabolic flights. We've flown 15,000 people, including Stephen Hawking, into zero-g. A company called Space Adventures takes people to the space station privately.

Then most recently in the space arena, a company called Planetary Resources backed by a group of a dozen billionaires, folks like Larry Page, Eric Schmidt, Marc Andreessen, Richard Branson. This is a company that is, as much as it's science fiction, I am absolutely, positively sure it's gonna be successful and transformative. This is a company that's identifying the asteroids that come close to Earth without hitting us and that are worth the most in terms of resources: fuel and metals. It's the resource low-hanging fruit of the solar system, so can we go out there and prospect them?

Then finally, I'll just mention Human Longevity, which started only a year ago, but it's skyrocketing. I co-founded with Craig Venter and Bob Hariri, and we are building the largest genome sequencing facility on the planet. We're gonna be sequencing millions of genomes and then mining that genomes for data along with stem-cell science, and our mission is to add an extra 30 or 40 healthy years onto everybody's life. So.

Tim Ferriss: So. No, I'm only laughing because we're here to talk about being bold and thinking big, and I'm so excited to dive into it, but I have to point out that you make me feel like I have to try, and should try, a thousand times harder. That's a good thing. I sometimes have readers approach me, and they – I worry about them suffering from the sort of hero-with-clay-feet problem where they meet me, and they're like, "Wow, that guy's actually really disorganized," because I feel it's like sometimes you have a pet cat, and it stares at the corner for like five hours. If they actually watched me for most of the day, I think it would look very similar. But when I look at what you've accomplished, it reminds me of a few things that are very timely. So one is –

Peter Diamandis: I have to say, Tim, before that, I mean, you only work four hours a week. I mean, the other 36 hours a week, you'd be fine.

Tim Ferriss: That's true, that's true, I know. I could put a little more effort into it. The first is I spent some time at Thiel Capital recently, of course founded by Peter Thiel, and at least at one point, the tagline for I think it was

Founder's Fund, was, "We wanted flying cars. Instead we got 140 characters."

Peter Diamandis: Yeah.

Tim Ferriss: I wanna come back to that. I was also hiking recently with a friend of mine named Bryan Johnson, who did very well as the founder of Braintree.

Peter Diamandis: A dear friend of mine as well.

Tim Ferriss: He's a great guy, and he's started something called the OS Fund, so trying to improve the fundamental operating systems of life and life as we know it on the planet. And we were hiking, and I was asking him what my resolution should be, potentially, for 2015. If he were in my shoes, what would he be thinking about? He responded with, "What can you do that would be remembered 200 to 300 years from now?" Really trying to shift the magnitude of my aspirations and thinking.

So I was hoping perhaps you could start with the idea of exponential, just to revisit that because it's something that people tend to use the wrong way, or they use it very flippantly. They're like, "Oh, my God, it was *exponentially* better than blah, blah, blah." They don't really have a grasp on what that means, so perhaps you could just give people a basic primer or some examples of what exponential really means.

Peter Diamandis: Yeah, happily, and I have a – after that I'd like to come back to the notion of being remembered in 200, 300 years. So first of all, people need to understand that we are fundamentally local and linear thinkers. We evolved in a world, as humans hundreds of thousands, millions of years ago, that was local and linear. Everything that affected you was within a day's walk. It was a very local existence. If something happened on the other side of the planet, you knew nothing about it. Things were linear in that the life of your great-grandparents, your parents, you, your kids, their kids, nothing changed generation to generation, millennium to millennium. It was pretty much constant.

Today the world is anything but that, right? Today the world is global and exponential. What I mean by exponential here is fundamentally a simple doubling. If we look in exponential, it would look like one, two, four, eight, 16, 32. When your progress is able to double year-on-year-on-year, and the example I give – I'll give two examples. If I asked you to take 30 linear steps, and all of us are linear thinkers, you go, "One two three four five six seven," and in 30 steps, you're across the street. You're 30 meters away. If I said, "Where will you be if you took 30 exponentials, 30 doublings?" unless you've got it memorized, very few realize that you'll be a billion meters away.

If you double something ten times, it's a thousand times bigger. If you double it 20 times, it's a million times bigger. If you double it 30 times, it's a billion times bigger. That disconnect between I'll be 30 meters away across the street, or I've been orbiting the planet 26 times, a billion meters, is huge. If I said to you, Tim, take a guess. If you took a piece of paper and you folded it. It's now twice as thick, and you folded that again, it's now four times as thick. If you were *able* to fold that piece of paper 50 times, how thick would that piece of paper be, might be?

Tim Ferriss: Well, I've been primed to exaggerate.

Peter Diamandis: Aha.

Tim Ferriss: To the moon, I would say.

Peter Diamandis: Well, it's actually all the way to the sun. Not 240 –

Tim Ferriss: Not even close.

Peter Diamandis: Yeah, not 240 thousand miles to the moon, but 93 million miles to the sun. Extraordinary.

Tim Ferriss: That's amazing. When you talk about, of course, your last book *Abundance*, and it's certainly having spent time at Singularity U myself at NASA Ames, when we talked about exponential, it's often paired to different technologies, so robotics, synthetic biology, AI –

Peter Diamandis: So all of this is underpinned by the increase of computational power. What is typically known as Moore's Law. So this guy Gordon Moore starts Intel in the late '50s, and in 1964 he writes a paper, and he says, "You know, at Intel, we've been noticing that the number of transistors on an integrated circuit has been roughly doubling for the same cost every 18 months." He goes, "This is likely to continue." That became known as Moore's Law, and for the last 50 years, it's held pretty constant. So every time you go to Best Buy, every 18 months or so, the computer you buy has got twice as much processing power as you did for \$1,000.00 bucks 18 months earlier.

This is extraordinary, and if you look at a computer – I happen to have these numbers memorized – that you had in 2010, 2011, way back then, right? That computer was calculating at 100 billion calculations per second, more computational power than the U.S. government had in the '60s and '70s. In 2023, some seven, eight years from now, the total computational power of your \$1,000.00 computer that you can go to Best Buy and purchase if they're still around, is now calculating at ten to the

16th cycles per second, a one followed by 16 zeros, which is just a number unless you go speak to someone who studies the brain, and they tell you that's the rate at which your brain and my brain does pattern recognition, right?

So what's it like when you buy \$1,000.00 computer that thinks at the rate of a human mind, but it doesn't stop there, right? Because 25 years later, the average \$1,000.00 computer is now thinking at the rate of the entire human race. Now it becomes really interesting.

Tim Ferriss:

Right, then we get to the fears, of course, that are getting a lot of play right now with the rise of the machines and AI and so forth. Now for someone, even someone's who's in the center – at least, of course, the people in Silicon Valley would like to think – the center of the universe, from the standpoint of tech development and so on, I'm very comfortable with angel investing and early-stage startups, but even I get somewhat anxious about my lack of understanding related to these technologies. Robotics – I don't have a CS degree, I don't have a synthetic biological background of any type. How can someone who is not a technologist play this game or think about changing their thinking, and does it involve these technologies, or is it entirely separate from that?

Peter Diamandis:

Great questions. I'm always asked the question over and over again, "Listen, if I'm not a technologist, can I get involved in all the stuff you're speaking about in *Abundance* and *Bold*?" The answer is yes. The answer is without question yes. First of all, I should just say riding on top of Moore's Law on top of these faster and faster computers is a whole set of what are either called exponential technologies or accelerated technologies, and these things include like cloud computing, sensors and networks, 3D printing, right, added to manufacturing.

Synthetic biology, robotics, artificial intelligence, and these are the technologies we teach at Singularity University if you come as a graduate student or as an executive, and we have amazing programs. It's just at singularityu.org if you wanna learn more. The fact of the matter is I don't care if you're an artist, if you're a writer, or if you're someone who never went to college, what's the single most important attribute that you need to tap into these technologies is passion and curiosity.

What I wanna remind everybody is we're in a hyperconnected world, and in this hyperconnected world, there are a lot of really smart geeks out there who are the world's expert in machine learning and artificial intelligence and robotics. Some of them absolutely wish they had your skills. They wish they were great writers, they wish they could raise money, they wish they were good marketers, they wish they a good business idea. They wish all kinds of things, and so what I realized, and I write about this

actually in the first part – *Bold* is in three parts, and Part 1's about exponential technologies.

I write about the concept that you can crowdsource, that if you have a passion or an idea or come up with a really cool idea, you can go to the crowd, and you can find someone who has the expertise that you need to team up with to make your idea happen. I write about a number of examples. I won't go into them in detail now, but where someone who had an idea and no skills was able to team up with the people who did have the skills and get access to and build a business.

Tim Ferriss:

So let's think of it, sorta just to work in parallel – thinking of technology, there are different types of technologies. If we think of or define technology as just a tool used to solve a problem, so that could be a stick that a chimpanzee uses on an anthill, but it could also be better questions that we ask ourselves. So the question that Bryan asked me, for instance, "What could you do to be remembered in 200, 300 years?" Not for vanity purposes, but just as a helpful question to ask.

Or Peter Thiel, who's also on this podcast. For those who may not be familiar, he was co-founder of PayPal and then the first outside investor to Facebook. He asked me, "Why can't you accomplish your ten-year goal in six months?" How would you *try* to do it in six months? What are some questions that you ask that many other people do not ask?

Peter Diamandis:

Yeah, so one of the questions is really, "Is there a grand challenge or a billion-person problem that you can focus on?" I am on a tear right now to try and get entrepreneurs to stop working on another photo-sharing app or something that's just, literally, an app and say, "Hey, what are you most passionate about, and can you go and solve one of the grand challenges?" I remind people that from my mindset, the best way to become a billionaire is to help a billion people. That in this hyperconnected world right now, we're going to be having three to five billion new people coming online. So one of the questions is, "What do they need?" Right?

So let me back up a second. In 2010, we had just over 1.8 billion people connected on the Internet. Today, it's somewhere between 2.5, 2.8 billion. By 2020, the low estimate is five billion connected online. If you go and you look at the projects that Mark Zuckerberg has, that Larry Page has at Google, some of the recent announcements that Elon's had, there are at least three separate competing concepts for deploying drones, balloons, satellites that would give a megabit connection to every human on the planet. So let's think about that, right? Three to five billion new consumers are coming online in the next six years. Holy cow, that's extraordinary. What do they need?

What would you provide for them because they represent tens of trillions of dollars coming into the global economy, and they also represent an amazing resource of innovation. So I think about that a lot, and I ask that. The other question I ask is, "How would you disrupt yourself?" One of the most fundamental realizations is that every entrepreneur, every business, every company will get disrupted. It's a matter of time, and the rate of disruption is increasing. One measure of that is Richard Foster at Yale studied companies on the S&P 500, and in the 1920s, if you started a company that got on the S&P 500, Standard & Poor's 500 companies, your average lifespan was 67 years. Today the average lifespan of a company that goes on the S&P 500 is not 67 years, it's 15 years.

Right, your MySpace is being disrupted by Facebook, by Google+, whatever's next, so disruption is going to happen. I've had the honor of talking with, kicking off Jeff Immelt, the CEO of GE, his leadership team meetings. The same thing for Muhtar Kent at Coca-Cola, Chairman and CEO of Coca-Cola, and for Sysco and for many companies. I ask them, "How will you disrupt yourself, and how are you trying to disrupt yourself? If you're not, you're in for a real surprise."

Tim Ferriss: Right, so it's almost like, what, Marc Goodman, who was also interviewed – he was a former FBI futurist. You may have met him, in fact.

Peter Diamandis: Well, Marc heads cybersecurity at Singularity University. He's on our faculty.

Tim Ferriss: Oh, that's right. God, it's such a small world, God.

Peter Diamandis: That's actually how you met him.

Tim Ferriss: Oh, well, I actually first met him in San Diego – no, I first bumped into him, you're totally right, at Singularity. The concept of red teaming, sort of testing your own security systems as if you were attacking your company or your person and taking the same approach to how you obsolesce your own company.

Peter Diamandis: Yep, yep. I tell that to CEOs. I say, "Listen, find the smartest 20-somethings in your company. I don't care if they're in the mailroom or where they are. Give them permission to figure out how would they take down your company."

Tim Ferriss: Yeah, which is a cool assignment, too, for a 20-something.

Peter Diamandis: Yeah.

Tim Ferriss: I wanna talk about a couple of the names that have come up. You mentioned Elon, Richard Branson, Larry Page, Jeff Bezos. They all seem to have very different backgrounds. What are some of the strategies that they have in common or psychological tools, anything like that?

Peter Diamandis: Yeah, so let me start – so I talk about Larry and Jeff and Richard and Elon in *Bold*. I have a relationship with each of them as investors, business partners, board members, and they represent for me extraordinary examples of people we should try and emulate. I talk about them in detail, and I actually looked at what do they have in common and basically found a number of key attributes that I think they have in common that I believe are absolutely critical for other entrepreneurs to emulate as well. So one of the things is the level of moonshots these people take, their willingness to dream really big and to go ten times bigger than anybody else and not ten percent bigger. That's really important.

Larry Page, for example, was at the Singularity University founding conference. Now, Larry is an investor in Planetary Resources, he is on my board at XPRIZE, he's a benefactor and helped get Singularity University started, and he stood up at the SU founding conference, and he said something which really set the DNA of Singularity University and changed my mindset. He said, "I have a simple measure right now for people. Are you working on something that can change the world? Yes or no?" He said, "99.9999999 percent of the people on the planet, the answer is no." The fact of the matter is we should be. I think that's a really important realization and something that I try and talk about and push in this book, which is what you really should.

The other thing is Jeff Bezos talking about experimentation. We all talk about experimentation and pivoting and so forth, but he goes on to say in detail, "Our success at Amazon is a function of the number of experiments we can do per year, per month, per week, per day. When you do experiments, you're gonna fail. If you don't have a thick skin, you're not going to be able to succeed." So I talk to CEOs all the time. I say, "Listen, the day before something is truly a breakthrough, it's a crazy idea. If it wasn't a crazy idea, it's not a breakthrough, it's an incremental improvement. So where inside of your companies are you trying crazy ideas?"

We don't do it in the government, right? I mean, when the government tries something different and it fails, there's a congressional investigation. Like no government employee's ever gonna do that again. In large corporations, you're worried about your stock price plummeting. So ultimately, it's the entrepreneurs who are trying the crazy ideas, and they're willing to fail 99 times out of 100, and that's really where the true breakthroughs come from.

Tim Ferriss: Maybe you can confirm or correct this, but I want to say that I also heard Larry Page at one point say that "The thing that people misunderstand about really huge goals is that it's very hard to fail completely." I feel like that was a Larry quote, but I didn't –

Peter Diamandis: It's one of the – an element of that is I interview Astro Teller for the book. Astro is the head of Google X, Google Skunkworks.

Tim Ferriss: Yeah, great guy.

Peter Diamandis: Really a dear friend and a great guy. He says, "When you go after a moonshot, something that's ten times bigger, not 10 percent bigger." A number of things happen. First of all, when you're going 10 percent bigger, you're competing against everybody. Everybody's trying to go 10 percent bigger. When you're trying to go ten times bigger, you're there by yourself. For me, it's like asteroid mining. I don't have a lot of asteroid mining competition out there or prospecting, or even human longevity. Trying to add 40 years in healthy lifespan. There's not a lot of companies out there. There's Calico at Google, who's a collaborative company, but that's not really competition.

The second thing is when you are trying to go ten times bigger, you have to start with a clean sheet of paper, and you approach the problem completely differently. So I'll give you my favorite example. It's Tesla, right? How did Elon start Tesla and build from scratch the safest, most extraordinary car not even in America, I think in the world? It's by not having a legacy from the past to drag into the present. That's important. The third thing is when you try to go ten times bigger versus 10 percent bigger, it's typically not 100 times harder, but the reward is a 100 times more.

Tim Ferriss: That's very interesting. No, I like that. How do you find people like the folks you mentioned? You know, the Elons, the Bransons and so on. I don't know if there's a clean answer to this, but how do they compensate for their weaknesses or cover their weaknesses? Because I mean, in my experience, people with incredible strengths usually have – they're like everybody else in the world. They're kinda like Swiss cheese; they have their holes. How do they still go for these moonshots while sort of protecting against the fatal flaws that they might have?

Peter Diamandis: I think we get to know them after they're successful. Frankly, there are probably a lot of Larry Pages and Elon Musks who almost were successful that we don't know about. So I think ultimately when you reach that level of success, the public sort of ignores your flaws to a large degree and is the adoring public. But they also build amazing teams that make up for it,

and then they are extraordinarily smart. These guys are brilliant. They are absolutely brilliant, and some of them are almost not human.

Tim Ferriss: What would you say are some of the most pronounced differences between say, Elon and Jeff Bezos?

Peter Diamandis: I'm not sure you're gonna – you're picking a pair that's kind of close. I mean, so I mean – oh, man, I'm having a hard time comparing those two. I mean –

Tim Ferriss: So what is Elon's background? I actually don't know what his edu –

Peter Diamandis: Elon was born in South Africa, moved to Canada, eventually ended up at Wharton. One of the things that was interesting, and I write about his background in *Bold*. He started programming at a very young age, right? He wrote his first video games while he was in high school. He became convinced when he was in college that there were three big, important things that he needed to think about for humanity. One was the Internet. The next was energy, and the third was space.

Tim Ferriss: Wow. Talk about foresight, really.

Peter Diamandis: In addition, because he ended up trying to find a job, and he's reasonably introverted as an individual. So Larry's an introvert to some degree as well. Elon is, but when Elon warms up, he's a very social guy. He can be outgoing, but he went to try to get a job at Netscape, and he actually waited in the lobby too scared to go up and actually try and approach them for an interview. He never got that interview. He never worked at Netscape. He had decided Netscape, back in the early mid-'90s was the most interesting company, and he ended up going and creating a company called Zip2 that was acquired, was his first success. He went on to go and create X.com that merged into PayPal, sold that and basically funded what would then become SpaceX, Tesla and SolarCity.

One of the things that is most amazing most people don't know about Elon because he deserves all the extraordinary success he has today, is in 2008, all three of those companies were on the verge of bankruptcy. SpaceX had just had its third launch failure of Falcon 1. He had budgeted as smartly – I tried to talk Elon – I've known Elon since 2000, and just before he had, or just as he was selling PayPal, and I was trying to talk him *out* of doing a launch field company because it was such a trail of dead bodies, and I'm so happy he didn't listen to me. In 2008, the third failure of SpaceX's launch vehicle – he had budgeted for three failures, but when it failed again, it was like, "Oh, my God." Then at the same time, Tesla's financing had gone down the tubes.

He actually went into debt to borrow money. He spent every single dollar he had to keep those companies alive and went into debt and was living in a rented apartment, rented house actually, to keep it going. But then, literally in the end of 2008, a number of things changed. He got a contract from NASA, some financing capital came in through Tesla, and SolarCity started growing, and today he's the father of four different billion-dollar industry companies in four different industries, and it's amazing. There are principles that he uses to think about this, and I would say one of the most important ones that all these guys have is this passion and purpose.

One of the quotes I love from him, he says, "I did not go into the automotive business and into the space business because I thought it was an easy way to make money." He said, "I'm not insane. I'm not going up against the industrial-military complex or Detroit. I just thought they needed to be better-quality products, and they did not exist. I felt driven by my purpose and passion to go and do these things." He gave them a 30 percent chance, 40 percent chance of success. Ultimately, he's built tens of billions of dollars in value in the last ten years.

Tim Ferriss: Now just to – I love this story, and it contrasts, in my mind, with that of Bezos, right, who came out of D.E. Shaw, had the opportunity to pitch Amazon to the higher-ups –

Peter Diamandis: The CEO there.

Tim Ferriss: Exactly, which was declined.

Peter Diamandis: Yep.

Tim Ferriss: Jeff, at least as far as I can tell, did not aim to start that business because he was passionate about books. It was a very analytical approach.

Peter Diamandis: Exactly, he basically said, "Listen, the Internet's happening." He's been watching the doubling rate of the Internet, he's seeing this growth, and he's like, "Oh, my God, there is a tsunami coming. This thing is not stoppable, you don't see these kinds of growth rates anyplace else." He said he's driving cross-country from East Coast up to Seattle, and he's thinking about what is that would benefit from something like a – he didn't call it an everything store then – but what is something that's a large number of things that the Internet would allow me to actually search and find? Books was his first thought. He actually borrows the money from his parents and starts the company in his family garage, basically.

I love the story of when he put up the website, he hooks up a bell to the website so every time a book is purchased, a bell would go off from his server. It's like they hear the first bell ding like, "Yay." They e-mail all

their friends and so forth. Ten minutes later, another ding. And then he talks about a few days later when the bell was like ding ding ding ding ding ding, and they finally shut it off. They felt like it was so annoying.

Tim Ferriss: He's a really fascinating guy in my mind, and as far as I know, he does not have a technical, i.e. programming or computer science background, or does he? Am I off on that?

Peter Diamandis: No, he was at Princeton, and he was not studying CS, I believe. I knew him from his college years at Princeton because when I had started – my very first organization ever was a company called Students with Exploration and Development of Space, SEDS, and I was started while I was at MIT. He started a chapter of SEDS while he was at Princeton. He was, from his earliest days, a space cadet. Very passionate about space. He's running a company that he's funding called Blue Origin whose mission it is to go into space, and every time Elon and I see him, we're saying like, "Dude, why are you wasting your time with Amazon, for God's sakes? Go and build your space company, we gotta get off this rock."

Tim Ferriss: "Jeff, baby, you gotta get bigger." I'll give you just one kind of – I don't think I've told anybody about this. It's just a funny sidenote about –

Peter Diamandis: And actually, to be clear, his degree *was* in Computer Science.

Tim Ferriss: Oh, it was?

Peter Diamandis: Yeah.

Tim Ferriss: Okay, so he did have some technical chops. I was suggesting, along with Elon and a few others, there aren't that many folks just in the business sphere that I'm sort of longing to have a conversation with. These are two of them. I met Elon very briefly on the zero-g flight that you invited me on. Thank you for that. Very briefly, but like you said, he's a very introspect – introverted guy, and I didn't wanna be disruptive to his experience. I had a similar run-in with Jeff Bezos very randomly. I was staying at a hotel in Tokyo, had just been reading about some of his background, walked out of the hotel and literally almost bumped, forehead first, into him coming through the revolving door with his kids.

I walked past, I was like, "Holy shit, that was Jeff Bezos." But he's with his kids, it was like 11:00 p.m., and he's trying to sorta shuttle them to the hotel room, and so I didn't introduce myself. I didn't do it. I'm not sure I regret not doing it. On one hand, I'm like, "Yeah, God, I really would've loved to have talked to him," but he was with his family, and I didn't feel like it was the right thing to do. Who do you, Peter, rely on to tell you

when you're wrong? So you're a very powerful guy, you're a dynamic personality, you have a strong will. It's in some cases easy to end up with people sort of politely nodding with whatever suggestions you might have or ideas you might have. Who do you rely on to correct you or to point out flaws in your thinking?

Peter Diamandis: Well, I mean, I will say that there's no shortage of people who will do that. I think it's my business partners. I mean, every company I've started, I have business partners, individuals I work with to build the company. I'm very clear that when I'm doing that with somebody, it's Eric Anderson with Planetary Resources and Space Adventures, it's Craig Venter and Bob Hariri with Human Longevity, Inc., it's Rob Nail, Ray Kurzweil at Singularity University. There's no question we have a lot of debate and deliberation and don't always agree. The challenge is that if you listen to people, it's really tough to actually be revolutionary because the majority of people will take you back to the mean, and that's just the wrong place to be.

At some point, you've gotta say, "I fundamentally believe this is the right thing to do" and then go off and give it a try. There's a great quote, I'm just gonna read this to you. I saw this the other day, and this comes from Scott Belsky, who was a founder of Behance, and it says, "When 99 percent of the people doubt your ideas, you're either gravely wrong or about to make history."

Tim Ferriss: I like that, it's very good.

Peter Diamandis: Yeah.

Tim Ferriss: I always think – well, there are two things that come to mind, of course. These are sorta my constant companions in my head when I'm trying to make difficult decisions about experimentation, usually, in my case. The first is a quote from Mark Twain, which is – I start a lot of my presentations this way, which is, "Whenever you find yourself on the side of the majority, it's time to pause and reflect." Which is quite along the lines of being sort of reverted to the mean and trying to avoid that. The second is the story of Dick Fosbury, who was the first high jumper to go over the high jump bar with a backbend, backwards. There'd been sort of a scissor step and different approaches up to that point.

Two things allowed him to do that. Secondly, it was just questioning the assumptions and best practices of his sport. The second was they changed the landing material. It had previously been some type of like hard-packed hay or straw, which was very unforgiving. It was changed, the technology evolved to a softer surface, but people didn't change their technique. So he went over backwards, and he was ridiculed and laughed

at until he won the gold medal, and now of course, everyone uses that technique. So I wanted to talk about a few other things that you're very familiar with, namely crowdfunding and incentive competitions, because these have really come to the forefront in a lot of ways in the last few years, and I think that's going to continue to be the case.

I've had some very challenging experiences with publishing and television, for instance. As crowdfunding, Kickstarter and other, Indiegogo and other platforms have formed, I've realized that with the audience I've built, I could self-fund these previously inconceivable projects, whether it be TV or feature film. That's very exciting to me, but I think I'm still thinking too small. That's exciting, it would be a big project, I think that there's a lot that could be done there creatively, but what do you think the future of crowdfunding and incentive competitions looks like?

Peter Diamandis: Sure. Let's take those each at a time. I'm a huge fan of both, obviously. On the crowdfunding side, the numbers are pretty spectacular. It's projected that in this year, 2015, there'll be \$15 billion of crowdfunding.

Tim Ferriss: That's incredible.

Peter Diamandis: It is, it is. I mean, here's a brand new source, effectively, of capital for the entrepreneur, for the person with a vision who wants to create a product, a service, whatever it might be. That number becomes \$100 billion by 2020. So it's a sizeable amount of capital. I've run two crowdfunding campaigns, one for about \$1.5 million for Planetary Resources and one that was a Kickstarter, and the other one was on Indiegogo for XPRIZE for about just shy of a \$1 million for our Global Learning XPRIZE. I fundamentally believe it's something that every entrepreneur should be experimenting with. I mean, there's very little downside and great –

Tim Ferriss: That's – not to interrupt you, Peter, I'm very sorry, but this is such an important point. It reminds me of a Branson quote, actually, which is he's always capping the downside and deciding what the downside is before different business experiments or launches. People think of Virgin Air as this huge risk, but he had such an incredible, I think it was leasing arrangement with Boeing or something that was –

Peter Diamandis: Yeah, he had the ability to return his 747 a year later if the airline wasn't working, so it was zero downside for him to try Virgin Atlantic.

Tim Ferriss: Right, so it's just such an important checkbox. I don't want to interrupt the flow, but it's just so important I wanted to underscore it for folks. So right, with the crowdfunding, there's very little downside.

Peter Diamandis: So I mean, you can build a crowdfunding – in fact, I know a lot of venture capitalists who will only back companies who are doing product development *if* they have tried crowdfunding first. Because you can have the assumption that, "Man, this widget is amazing, right? In black it looks great." It may not be the fact that anybody gives a shit about your widget, or they want it in red, and crowdfunding not only allows you to get the money in advance but it allows you to have the most honest vote ever of whether the world wants your product or service, your book, your movie, your digital watch, whatever it might be. Then you get to find out not only does the world want it, but in fact what color, what size, what shape, and it's the most honest vote you can, right?

Who cares what a Monkey Survey says? It's what people put their credit card down and buy, vote with their wallet. *That's* what really matters.

Tim Ferriss: Right. No, absolutely. The –

Peter Diamandis: So actually, one of the things I did was spend time studying it. I went out and interviewed the guys who did the top crowdfunding campaigns in the world and how did they do it, and then I used that in my own. I have a whole chapter on crowdfunding, and it's labeled, "No Bucks, No Buck Rogers" in the how-to. It is very, very doable. I mean, not all things should be crowdfunded, but those that *can* be, I really think it's the new way of an entrepreneur starting a business. It's zero dilution, you test your marketplace, you get out in front, and importantly, you build a community. You know, Tim, better than anybody how important a community is. A community can make you or break you.

Tim Ferriss: Absolutely. It's also just such a good litmus test not only for investors, but to prove to yourself whether or not you have the diligence, the wherewithal, the responsiveness to execute a business. If you can't execute a crowdfunding campaign, you might want to time out and consider a different career path because that's a little hurdle compared to many of the challenges that come later. I want to ask you a couple questions before we move to the incentive competitions.

Peter Diamandis: Sure.

Tim Ferriss: I'd also say to people, of course I'm going to include tons of links in the show notes to everything that Peter's talking about. There's also a "How to Hack Kickstarter" case study that is on the blog for people that are interested. That's so they can search that that has template e-mails and things like that. Are you an early riser? What time do you typically get up in the morning?

Peter Diamandis: I have 3-year-olds, so ...

Tim Ferriss: I take that that's a yes.

Peter Diamandis: Yeah, it's whatever time they get me up, so it's typically 6:30 a.m., that's Pacific Time, so that's dinner time in Europe, so that's yeah –

Tim Ferriss: What are –

Peter Diamandis: Sleep. Go ahead.

Tim Ferriss: Sleep is optional.

Peter Diamandis: Yeah, unfortunately.

Tim Ferriss: What morning routines do you have or have you had that you've used consistently?

Peter Diamandis: It's probably stretching, and it's sort of a mindset that my purpose and mission in life that I took away, actually, from Tony Robbins' Date with Destiny, which is a program I – is a week long, his most transformative program I've been to. Anybody's who's not been to Date with Destiny, so it's like I repeat my purpose in life, and I also repeat the mindset of what I have for the day. I do that in the shower, and then I'll go through and do a quick scan of my e-mails, and I'll go play with my kids right now for the first hour.

Tim Ferriss: So the stretching is in the shower, or it's ?

Peter Diamandis: Yeah, the stretching is in the shower.

Tim Ferriss: What type of stretching?

Peter Diamandis: It's mostly my lower body, and then I'll go through a breathing exercise as well, and it's the affirmational mantra, if you would, is the important part of that.

Tim Ferriss: What is the breathing exercise?

Peter Diamandis: It's an accelerated deep breathing just to oxygenate and to stretch my lungs. It's interesting because one of the – there are two elements that tie very much to human longevity. It's strange, and I wonder how they're linked. One is those people who floss and those people who have a higher VO2 max.

Tim Ferriss: Really? Higher VO2 max is correlated with longer lifespan?

Peter Diamandis: Yes, absolutely.

Tim Ferriss: That's very curious. So are you taking measures to try to improve your V02 max?

Peter Diamandis: In part, but we can talk about that another time.

Tim Ferriss: Okay, I'll do Part 3. Got it, all right. We're gonna come to the incentive competitions in a second, but what do you look for in friends? What are the qualities or the criteria that you use for friends these days?

Peter Diamandis: For me, it is passion and curiosity and purpose. The realization is, and I believe this, the quality of your life is a function of who you go through life with.

Tim Ferriss: Definitely.

Peter Diamandis: Right? So you've heard the stat, perhaps, and everybody listening, that you're the average of the five people you hang out with most. So I'm looking for people who are gonna up my game who I love spending time with, who make me feel great, who make me feel happy, who are not yes men or women, who I can dream with. That's really important.

Tim Ferriss: Have you had to break up with certain friends or associates or –

Peter Diamandis: I think it's not been dramatic but a drift away from, just spend less time with. There are people who are just self-defeatist, right. They're brilliant, they're smart, they're hardworking, but they just completely defeat themselves, and they're negative in their mindsets. They're like, "Woe is me." It's like, "Dude, just *please*." I will do my best, as a friend, to give them the skills to think about that differently, but this goes back to Bryan Johnson we spoke about earlier. It's all about your operating system. The challenge is as humans, if you think about it, our brains are the sort of computer structure, the wiring diagram of our brains and the wiring diagram of a computer are somewhat similar. They're pretty much fixed by biology.

Then you've got the next layer is, for a computer it's its operating system, right? For us as humans, we have an operating system that comes online between birth and typically the age of 5 to 7. We make things mean certain things. Then on top of that operating system of a human, we have apps like math is an app, algebra, geography, if you learn Spanish, if you learn history. All of these things are apps that you build on top of your operating system, but very few times do we as humans ever go and look at our operating system. We constantly look at our apps. "Oh, I gotta go

learn how to code," I gotta learn how to do that. Those are all apps, but when do you actually go and look at your operating system as a human?

There are very few things that actually allow us to do that. The two that I've found is the work that Tony does, Tony Robbins with Date with Destiny. The other one is Landmark, Landmark Education, Landmark Forum. Have you ever done that, Tim?

Tim Ferriss: I haven't done it. I have friends who've been involved with Landmark Forum, but I don't know very much about it. How does Landmark differ from what Tony does?

Peter Diamandis: It's similar, and it's a different approach. It's two and a half days. I don't wanna go into the detail, I just offer those as two resources, but how often do any of us go back and realize, "Why do I think that way? Why do I react that way to this, or why do I have this pessimistic mindset or this reactive or this self-defeatist mindset?" What I was going back to my friends who I've sort of parted ways with over the years, it's the reason that when you were growing up, you made certain things mean certain things to you, and you react that way to it. That's part of your operating system.

Unless you change it, you're gonna be constantly falling into those same patterns over and over and over again. I've got them, we've all got them, but if you can become aware of it, you can at least take control of it. So I'm looking for friends who help me up my game, I enjoy spending time with, who make me ask those questions like Bryan Johnson did of you and who I can dream big dreams with.

Tim Ferriss: So speaking of dreaming big dreams, I think this is a good segue to incentive competitions because I fantasize, I think a lot about this, but my thinking is undirected. The XPRIZE has sparked my curiosity about incentive competitions and what I might do in the world using incentive competitions. Maybe you could explain what that means, first of all.

Peter Diamandis: Sure, and I will come back and ask you, "What's the Tim Ferriss XPRIZE?" So again, I went back and I mentioned the XPRIZE Foundation in that I wanted to travel to space since I was a child, expected NASA was gonna get me there, got a medical degree, got my pilot's license, drank all the Tang I could get my hands on, and then after a while realized my chances of becoming a NASA astronaut were like one in 5,000 and in fact, it wasn't NASA's job to get the public into space.

I was like, "Screw that, I'm gonna get there independent of NASA" and then read that Lindbergh, in 1927, crossed the Atlantic to win a prize and said, "Okay, that's what I'm gonna do. I'm gonna create a prize for the first team who can build a private spaceship that could carry me and my friends

into space." Long story short, announced that prize under the Arch in St. Louis in 1996, *did not have* the \$10 million, didn't stop me. I teach in *Bold* how do you give birth to a big, bold idea above the line of supercredibility? I'd love to come back because I think it's an important lesson for everybody to learn –

Tim Ferriss: Supercredibility?

Peter Diamandis: Supercredibility, yeah. And announced the prize. Took me five years to find the Ansari family who put up the \$10 million, and that \$10 million drove 26 teams around the world to spend \$100 million trying to win this \$10 million prize by building and flying a spaceship that could carry three adults up into space 100 kilometers, land and do it again within two weeks. So the prize was won on October 4, 2004, by Burt Rutan and Paul Allen, and it changed the regulations. Google changed the Google Doodle that day to have a spaceship flying over the logo, I got invited up to the Googleplex to talk about XPRIZE. That's where I met Larry Page and invited him onto my board. He agreed on the spot.

Now, we're working on launching prizes, incentive prizes, for the world's biggest problems. What's a problem that should be solved that hasn't been, all right? We think about that, and we launch two or three major prizes a year. I fundamentally believe that there is no problem we cannot solve. That the technologies that allow you and me and everyone listening to do things are the technologies that were resonant only with government and large corporations twenty years ago. You now have access to tens of billions of crowdfunding. It's an amazing time to be an entrepreneur, and the number of people solving problems is also exploding, so that gives me the greatest hope for the future. So we're constantly sourcing prize ideas.

I'll also mention, just for fun, and I talk about this in the book, that we created and spun out a platform from XPRIZE called HeroX, you can go to herox.com, where you can go and actually create, have the crowd help you design a prize, fund a prize and solve a prize. So I wanna go – one of my mantras is stop complaining about problems; go solve them. That's, I think, the world we're living in today. You can stop complaining. You can start solving.

Tim Ferriss: So one of those problems I'd love to ask you about and then I'd love to come back to the supercredibility.

Peter Diamandis: Sure.

Tim Ferriss: I liked the sound of that. That is related to climate change, so I've spoken with a number of climate scientists who are terrified that some people will embrace a sort of techno-optimism that is too long-term and in the

meantime, the planet will boil in the next 30 years or whatnot. What is being done, or how would you suggest people think about climate change and addressing the problems of that?

Peter Diamandis:

Sure. So a couple of thoughts. One is that as humans, we typically see the problem way before it hits us. We're really great at identifying problems because it was an evolutionary advantage to be able to see the problem way out in the future. Typically, by the time the problem hits us, there's been tremendous progress, and we now have a whole new set of tools for addressing it. One example I write about in my last book *Abundance* was that in the 1890s, one of the biggest environmental problems, the equivalent of climate change, was horse manure. As people were moving out of the countryside into the cities, they were bringing their mode of force with them, the horse.

The number of horses and the amount of horseshit was building exponentially. They literally would have a corner lot that was where all the horseshit got shoveled. When it would rain, there was so much manure flowing down the streets that buildings were designed with a raised stoop so you could step over the flowing manure. The disease was building, and the articles written projected this crazy amount of horse manure. Because clearly by 1940, the number of horses in the city would've exploded as the population went up. But something else happened, right? Another technology came along called the automobile that became the major mode of force and got rid of horses.

So the question is what's the example here? So we're working on two XPRIZES right now to change the game. One is a battery XPRIZE, and that is to increase the energy density by 300 percent. Can we go from your typical lithium ion at 250 watt-hours per kilogram up to 500, 600, 700 watt-hours per kilogram? That would change everything, right? You would fundamentally only have electric cars, you'd have electric airplanes, you'd have electric everything. I wanna remind everybody that there is 5,000 times more energy from the sun that hits the surface of the earth than we consume as a species in a year. It's not that energy's not abundant, it's just not yet in a useable form.

If you look at the numbers, the amount of solar cells we're manufacturing is on an exponential growth curve. It's doubling every 30 months or so. Then the cost is plummeting as an exponential, and if you're buying a new copy of *Abundance*, in the back of the book – it's the hard copy, the soft copy now is there's a whole new set of charts including those curves. The other XPRIZE we're working on is a carbon capture XPRIZE. Can you capture 80 percent of the carbon coming out a natural gas or coal smokestack and turn it into a useable product that is worth more than the

cost of capturing it so that it becomes a profit center for these facilities? I'll mention one other thing, if I could, Tim?

Tim Ferriss: Of course.

Peter Diamandis: Because people don't want to talk about this, but I don't see it. Let's say we're too late. Let's say we have hit a critical turning point. I mean, we do have the technology to launch into space what would be from the Earth a postage-size shutter, if you would, that could titrate the amount of solar flux hitting the Earth. Very easily. This is not a complex structure.

Tim Ferriss: Can you explain that one more time, please?

Peter Diamandis: Well, so imagine if you would, a certain amount of energy hits the Earth every day. Imagine if you could block out a tenth of 1 percent of that energy by putting up a structure at a Lagrange Point in the Earth-Sun system that would just block a small amount, and you could actually like a shutter would –

Tim Ferriss: Use an aperture of some type.

Peter Diamandis: And to turn it sideways and start very slowly and increase it. You could, in fact, reduce the amount of energy coming to the Earth's surface, and you could measure it and change it on a minute-by-minute basis. I mean, there are ways to do this that are fully reversible and can be measured very carefully. It's very different from throwing iron filings into the ocean and changing Co2 absorption. I mean, there are things we can do. I've had this conversation with Al Gore and Al's like, "No, we're gonna screw it up even worse." Listen, the fact of the matter is we are a smart species and while we should be trying to reduce Co2 and going to an electric and solar economy, if we're screwed, I don't wanna sit here and boil. I'd like to take some actions to reduce that, please?

Tim Ferriss: Right.

Peter Diamandis: And there are actions we can take.

Tim Ferriss: I love this. No, I learn something interesting every time I chat with you, which is part of the reason I like to harass you so much. You mentioned that if we're screwed anyway. It reminded me, God, I wish I could remember the attribution of this quote, but it was something along the lines of, "The person who says we're screwed or there's nothing we can do" and the person who says, "Everything is fine" are the same because nothing gets done in either case. I've always remembered that. I wanted to come back to supercredibility because it's a catchy turn of phrase, of course, but what does that refer to?

Peter Diamandis: Yeah, so I talk this in *Bold*, and I talk about this a lot because it's something that I think is important for every entrepreneur to learn this. So I wanna set the setting. It's May 18th of 1996. A few months earlier, I was raising money for the XPRIZE. I was trying to raise \$10 million. I'm in St. Louis, I'm trying to raise \$10 million \$25,000 at a time. I very quickly raised about \$0.5 million from amazing people like John McDonnell and Andy Taylor and the Danforth family, some incredible city leaders in St. Louis, a guy named Al Kerth, who was a patron saint. He's passed away since but was helping me and taking me around.

We reached a threshold. I raised \$0.5 million, and we were stuck and made a decision that we were gonna announce the \$10 million prize anyway even though we didn't have the money. It's kinda ballsy, I had three of my board members on the spot when we decided to do that. I realized that how the world learned about the XPRIZE really mattered. So it turns out that each of us, in our minds, have this line of credibility. If I tell you, if I announce something to you below the line of credibility, you dismiss it out of hand. If I said, "This teenager next door is gonna build a spaceship and fly to Mars," it's like, "He's a nut. Forget it."

Then there's this line of credibility that if you announce a project above the line of credibility, then *maybe* they'll do it. So if maybe I announced, "I'm planning to build a spaceship to go to Mars," maybe people will say, "Eh, interesting. Let's watch and see what Peter does" and depending on my actions, they'll either dismiss it a few days, months or years later, or they'll increase in credibility. Then we all have this line of supercredibility in our minds that if you announce something above the line of supercredibility, it's like, "Oh, my God, that's amazing. When is it gonna happen?" So if I said to you, "Listen, Elon Musk and Jeff Bezos and Richard Branson and Larry Page all just partnered, and they are building a private mission to Mars." It's like, "Oh, my God, that's amazing. Finally," right?

Tim Ferriss: Right.

Peter Diamandis: So I'm in May of 1996. I have half a million dollars. I decide to spend all of it on this launch event, and we do it under the Arch of St. Louis. On the dais, I don't have one astronaut, I've got 20 astronauts standing on stage with me. I've got the head of NASA, the head of the FAA and the Lindbergh family with me onstage announcing this \$10 million prize. Did I have any money? No. Did I have any teams registered to compete? No. But around the world, it was front-page news this \$10 million prize was going.

It was, for me, a huge risk, but I didn't lie about it. I didn't tell them, they just all assumed I had the \$10 million, but I wanted to give birth to this above the line of supercredibility because I was so sure that it was gonna be pretty easy – who wouldn't wanna pay the \$10 million *after* someone pulled it off? I just didn't expect to have 150 people tell me no, and it just, anyway. It took five years to raise the capital.

Tim Ferriss: Who was the hardest person to convince to be on that stage with you?

Peter Diamandis: Oh, the head of NASA, for sure.

Tim Ferriss: What was the pitch? How did you convince them?

Peter Diamandis: Well, I mean, the pitch was, "Listen, wouldn't you want entrepreneurs around the world to be working on new technologies so that this is off your balance sheet?" It turns out the 20,000 employees or the number of employees at NASA, all of them are all there because they wanna go, too.

And it was actually a friend, Alan Ladwig, who was the associate administrator at NASA – I've known him for like 20 years – who convinced Dan Goldin to take the risk and then the astronauts who were there. You build credibility like that by first getting Byron Lichtenburg, Byron was one of the early co-founders of XPRIZE, and he convinced Buzz Aldrin and other shuttle astronauts, so we got 20 astronauts on stage, right, one at a time. We got the associate administrator of the FAA. It's like, "Damn, we've got the FAA, we've got 20 astronauts." You build safety in numbers in that regard.

Tim Ferriss: Definitely.

Peter Diamandis: It's a step-by-step process, but ultimately that's how – anyone who knows the story of *Stone Soup* – do you know the story of *Stone Soup*, Tim?

Tim Ferriss: I don't think I do.

Peter Diamandis: Oh, my God, one of my favorite stories. It's a child's story, children's story, that is the best MBA degree you can read. So I write about *Stone Soup*. I won't give it away. It's one of the most important stories. Between supercredibility and *Stone Soup*, it's like, "Dude, if you're an entrepreneur in college or 60 years old building your 20th company, *Stone Soup* is so critically important."

Tim Ferriss: We'll wrap up in just a couple minutes. Have you had a point in your life where you were pessimistic for more than a short period of time, where you were really kinda pessimistic?

Peter Diamandis: Oh, yeah, of course, we all hit brick walls, right? In April 2001 along with every other dot-commer, I was running a company called BlastOff! for Idealab, the incubator that had given us eToys and NetZero and GoTo and all – it started 40 companies. Bill Gross, a brilliant guy, had just raised \$1 billion in cash in '99 –

Tim Ferriss: Wow.

Peter Diamandis: – for his Internet incubator, and he calls me up. He says, "Peter, I've raised \$1 billion in cash. I wanna do a moon mission. I wanna do a private, robotic moon mission." So I sold my house in a day, I moved to Pasadena from Washington, D.C., have an amazing team of people, and we are building a robotic, private mission to the moon. It's since that mission became the Google Lunar XPRIZE, which exists today. We had built prototypes, we had bought an Athena II launch vehicle from Lockheed Martin, a Star 37 Trans Lunar Injection engine from [Martin Thycall](#), and we're building this thing. Then the NASDAQ tanks, and we get shut down.

Of course, like many other people, like, "Uch, this sucks, man." I was so close, so close to getting us there. Went into a long-deserved depression for a day or two and came out of it and started reworking on XPRIZE and zero-g and just refocused. For me, my passion, my guiding star is, all of my life, has been opening up the space frontier, and today that guiding star is also solving grand challenges. Whenever I get bummed or pissed off, I refocus on my guiding star, and it reenergizes me. If you've got your passion, it's the No. 1 thing as you know, Tim, and have talked about, if you have that passion, it is a bottomless pit of enthusiasm and energy.

Tim Ferriss: To get out of that two-day funk, what does the self-talk look like? I mean, what is the ritual that you use?

Peter Diamandis: The self-talk, in all honesty, was probably more like two weeks than two days. It's a going back to "Why do I believe this is important?" It's, "Look how far I've taken it so far." It's a matter of reminding yourself what your purpose in life is, right? What you're here for. If you haven't connected with what your purpose and mission in life is, then forget anything I've said. That is the No. 1 thing you need to do is find out what you need to be doing on this planet, why you were put here and what wakes you up in the mornings. "Yes, I am psyched. This is gonna happen."

Tim Ferriss: How do you suggest people try to identify that, or do they –

Peter Diamandis: Two things, I'm clear about this. The one thing is what did you wanna do when you were a child, right, before anybody told

you what you were supposed to do? What was it you wanted to do? I don't care if you wanted to play video games, right? My friend Richard Garriott, dear friend, XPRIZE trustee, Space Adventures board member, investor in my companies, Richard's dad was a Skylab and shuttle astronaut. Richard never went to college, right? He was a video game gamer in high school, and basically your dad's a Ph.D. astronaut, the most button-down math, science geek on the planet and you're like playing video games. He became so enamored with video games, he started writing them.

He netted \$100 million building video games and bought a ticket to go to the space station and became the first second-generation astronaut because of his video game addiction. So it's like you can make a career out of *anything* these days. So what are you passionate about as a kid, right? That's the first thing. The second thing is if Peter Diamandis or Tim Ferriss gave you \$1 billion, how would you spend it besides the parties and the Ferraris and so forth. If I had to say to you, I want you to use this \$1 billion to go and improve the world, to go solve a problem, what would you do with it? That targeting information, what you'd do with it, is a good place to go look for what your passion is.

Tim Ferriss: That's a fantastic question. I've heard it phrased, "If you had \$1 billion, how would you spend your time?" but in a way, those are really well-paired. I like that. That's a very good question. So last question for you, Peter. If you could offer your younger self one piece of advice, let's just say your 20-year-old self, what would it be?

Peter Diamandis: Oh, man. I spent four years in medical school to make my mom happy, to make my dad happy because I thought I had to do it. It would've been to really believe in my inner dream of opening up space and to go and focus in doing that. Now listen, a medical degree and stuff is all great and maybe Human Longevity, which I hope will be my first multi-hundred billion-dollar company and success maybe comes out of my medical stuff, but I wasn't doing it for the right reason. I guess, the second thing would've been to have bought Amazon and Google stock earlier.

Tim Ferriss: Well, Peter, if I could've asked one person to write one particular, it would've been the perfectly titled *Bold*, and I did not say that lightly. I really feel like there's so much potential out there in the world and so much opportunity. Part of the reason that I've been opting out of a lot of the startup stuff recently, to be honest, is because I'm getting pitched so many incremental, derivative, 10 percent improvements from people who have – they have the capability to do something exponential if they would only have that 10x type of target.

So I really hope that this book provides people with not only the inspiration but the tools and the framework for going out and trying to put a huge dent in the universe. Certainly, I'm gonna put links to everything at fourhourworkweek.com, all spelled out fourhourworkweek.com/bold. Where can people give you their feedback or find you online otherwise?

Peter Diamandis: Sure, I mean, very easily. If you go to boldbook.com is information about the book. It's a chance to build a connection with me. I've actually, we're in a pre-launch phase for the book, so if you actually order a copy of the book through there, you'll get a few additional bonuses. You get a digital copy of *Abundance* if you haven't read *Abundance*, please do, or give it to your friend. You get a chance to participate with an hour-long Webinar with myself and my co-author, Steven Kotler, which we'll be doing in March, so you can get a chance to read the book. You get an audio download of the first chapter. I've also done a number of training videos about the six D's of exponentials, the sort of exponential stages and how they allow you to sort of see into the future.

I talk more about billionaire thinking at scale and finding your naturally transformative purpose. Those are three free video downloads that you get a chance to get if you go to that website. Ultimately, part of my mission, Tim, and you know this, it comes back to what Larry Page said that 99.99999 percent of people are not working at something that can change the world. I want to inspire, through Singularity University, through XPRIZE, through *Bold*, through all of these things people to realize that today, you can do more than ever before. You've got the technology, access to capital, access to mindset, access to resources, experts, so I'm trying to take the shackles off of people's dreaming abilities and to give them some tools to go and do big things because that's the only way we create a world of abundance.

That's the only way we really create this vibrant future that is before us, and so I'm excited about that mission.

Tim Ferriss: I agree. Hear, hear. Two quick questions. How the bonuses that you mentioned, and I will link to those in the show notes, guys. How long are those available, until what date?

Peter Diamandis: They're available – the book goes on for sale on Amazon and Barnes and Noble when the book comes out on February 3rd. These bonus offers are on the table through February 6th, and then I'll probably change the bonuses somewhat. Ultimately it's about, for me, I want people to think differently about what they can do. Anyway, through early February for these bonuses, and the videos will be there for – the training videos will be there for probably through March.

Tim Ferriss: Wonderful, and can people find you on Twitter or Facebook? Do you use any of those?

Peter Diamandis: Yep, I'm tweeting all the time, so it's just @peterdiamandis, first name, last name. That's probably the best way to follow my work.

Tim Ferriss: Perfect. Well, Peter, it's always a pleasure. I hope we get a chance to have some wine or hang out in person again soon. Thanks so much for making the time.

Peter Diamandis: Thank you, I love who you are and what you do, and thank you, everybody, for being part of this conversation. It is *the* most exciting time ever to be alive. For sure. Period. And stop.