

(cleaned) Participant 6 and TE Study

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SPEAKERS

Lisa Wocken, participant 6

Lisa Wocken 00:00

00:00

Lisa Wocken 00:00

Okay, Okay, wonderful. Well, we'll just dive in and we've got about, you know, 10 questions. 45 minutes to an hour is how long it's been typically running. But the first thing that we're curious about is if you could share a little bit more about recording in progress. i Yes, I Yes. And we will be recording audio here. And then you see the other one autopilot is just started transcription service. And so can you please share a little bit more about your personal journey in as far as how you got involved in your line of work?

participant 6 02:18

Okay, so I'm currently leading before then, I worked as a research analyst at \$name\$ as well \$name\$, and I got into crypto full time in 2020 at the start of the pandemic, why didn't my first career until 2022. That was early last year in January? It's been an awesome ride so far. I came from an economics background. I started trading agro commodities in my country. So by provenance i at the start of the pandemic hours type of thing so something that allowed me to you know, work from home and take advantage of the opportunities that I learned in crypto. So I want to delay I retired searching and then I came in contact with \$name\$ from the \$name\$ community and introduced me to token engineering in I think, September last year, and so since then, we've been on the journey together, exploring the different parts of token engineering, exploring you know how to move this field forward, because especially for you, there's a lot of work to be done. And there's a lot of, in my opinion, there's a lot of repositioning that token engineering has to undergo have to you know, actually become a mainstay carrier or something that people can bounce from. So yeah.

Lisa Wocken 04:21

Yeah, we'll have a segment where we talk about the needs and challenges there'll be curious as to you know, what, what your thoughts are on that first, as we continue to ground ourselves in the topic, how would you currently define token engineering?

participant 6 04:37

Okay, so, for me, token engineering for me in my in my own life, designing the process of designing and testing, you know, tokens and they are used to virtual economies. developed, which as we know, is driven by financial incentives and incentivization of participants. So, token engineering is the art of basically incentivizing users and the user these who tokens and ensuring that the tokens you're designing you know, generate the the actions and your

responses value or looking for us the protocol in our portfolio design projects. So yeah, for me, that's what

Lisa Wocken 05:37

whenever Thank you What would you say is the step by step process of token engineering?

participant 6 05:47

Okay, so as I said earlier, first of all you have to outline instances, right, outline what she wants, happening on your platform. Then the next step will be designing your token to fit your incentives. So, that is our onboarding service and elaborate example, elaborate process was talking about for hours and hours, but the basic theme is identify incentives, and then design your circle to, you know, work around these incentives. But then on the other hand, there's also the aspects of stress testing, virtual economies, simulation and scenario analysis. But those are lesser spoken about less a subset of token engineering. So for now, what comes to mind when you think of seminars as design teams, to, you know, to incentivize actions on your projects, basically. Wonderful,

Lisa Wocken 07:11

thank you. All right. Alright. So one of the things we're hoping to learn a bit more about people's practices. So could you share a little bit more about your daily work routine, typical tasks, processes, rituals, tools.

participant 6 07:28

Okay, so I do a lot of my work using Okay. I will call studieing \$ETH\$ you know, check \$Twitter\$ to see what's going on on crypto \$twitter\$. Then I get to work right. We search for tools I use during my work. I work a lot with \$Python\$, you know, scripting types of [protein]. \$Machinations\$ you know, designing of models. I'm currently learning to code anyone for

Lisa Wocken 08:06

what, what's the name of the tool?

participant 6 08:07

\$Any logic\$.

Lisa Wocken 08:09

Okay.

participant 6 08:13

System design isn't in any logic, very interesting course. So, you know, learn, acquire, expand my use of tools, then if I need to query data, because most of the factory have these \$SQL\$ words. So getting data from \$Flipside\$ getting data from team using SQL queries, then you know, compiling visits or reports, or into dashboards, to convene the information from the stakeholder as the case may be. There's leaders

Lisa Wocken 08:54

Yeah, wonderful. And then we're curious if you could give two examples of polar opposite te projects that you've worked on, really with the intent of trying to understand like how wide is this umbrella of the work that makes up T?

participant 6 09:18

Most of my work is on the level of MVPs. Let me let me try. I did something on \$name\$. There's some simulation I did on rabbits and it was a simulation. We need an \$name\$. Now the modus operandi of these two are like worlds apart. So when like, you know going from one thing to another, like the whole unique experience and so yeah.

Lisa Wocken 09:51

Um, can you as much as you can, maybe, why is the world to you? What's so different about
10:01

consensus mechanisms of each of these projects, then The target audience of each of these blockchains are radically more focused on, you know, crypto, native users, what \$name\$ is more enterprise centric, you know, trying to onboard traditional companies. So, you have them operating in two different ways because the incentives are different, the targets different these are these different? Yeah.

Lisa Wocken 10:48

Thank you. So what areas of knowledge do you consider essential for the token engineering field?

10:57

With the rise of AI Yeah, I think the most critical thing you need the essence of an engineer is starting to think if you're able to think clearly, right? Even if you do not necessarily know everything, if you can think clearly of what you want to you can always be able to generate the working like standard operating procedure you can use to operate not to say you don't need some domain expertise, you know, economics, mathematics, statistics, those have just tried to see with the rise of AI, we are going to see a lot of these domain expertise automated so you definitely have machines running you're crazy or data, data analytics, protein, you know, abilities. So we need to be able to think critically, they are bone boards are very in the if you have some background in economics. I think those were were those those are really helped me my understanding my understanding of economics, then goes Game Theory. Games are very important. So you've heard me say [this or thinking that] economics that it's engaged here.

Lisa Wocken 12:44

One of the things that we've heard from people in either the definition or in this book is this notion of engineering. And so we're trying to understand how or what about engineering is important for the field of token engineering?

13:01

Yeah, yes, I would like to see our two system design. Most most especially, system dynamic systems design is very important. I don't know if that aspect of token engineering can be scripted [will realize a TV] anytime soon, because there's a lot of things that cannot be done yet by AI. For example, generation of artificial models or any logic models you can't yet get on your \$Chat GPT\$ or any of these AI tools. So I think that's seen as token engineering for now, because technology is constantly evolving. We could see tools that could enable people walk past and do these things. For now, I think that's the aspect that, you know, once you hold this as you have an open plan, it's

Lisa Wocken 14:18

just so understanding right, the Part Two that's important about token engineering in the engineering aspect, is more that Systems Thinking dynamics and design. Yeah. Yeah. Wonderful. Thank you. We're gonna move on to the challenges and needs segment and curious as to what challenges have you faced in your work personally with token engineering.

participant 6 14:44

So most of my work in Nigeria has been focused on simulations and scenario analytics. I find that

15:03

it's been a challenge for me to market this year, because I think everybody in crypto is currently used to just acting for the sake of acting. Now, what do I mean? Yeah, there are very few intelligence agencies that focus on trying to simulate scenarios and predict outcomes of, you know, event that I'm not sure it will happen. Now, a prime example of this is, for example, during the [standby Amidala] were tokens were supposed to be able to be [use] we had a lot of loud popular with accounts popular Intelligence things that could not actually accurately predict how much self pleasure we could have been expecting. As like as the community. There was a lot of over exaggeration. Or on the plane hubs tuition without find out. So for example, I remember a particular account is a very popular guy in the ecosystem he said was [the Marina de Xiang. I] was like it [there's]nothing better than a garish situation where if you run a simulation on the app in your finger, at best, it was a passive event. You're selling but it's not as dramatic as I expected so I don't know. I wanted to share something too.

Lisa Wocken 16:58

Yeah, great.

17:10

I want to join on a random device, so please let me check.

Lisa Wocken 17:15

Yep. Yep, here we go. Sorry.

participant 6 17:23

Don't worry. Hold on. Just give me a second. Let me copy from

Lisa Wocken 17:30

and I think Natalia you're gonna have to enable his ability to share since you're technically post, yeah, but seems it's not. You just go to participants and then click on his name for some reason.

17:46

Okay. I've shared it I've shared it. okay, in the chat. Is the chat. So what, \$name\$, you're done with this work? On the walk

18:04

to you know, \$name\$ it's a very accurate prediction, in how much self editing from the whole event, but it didn't get as much action as we expected. Because in my little experience with interacting with printers, they call that everybody's used to sensationalism. So as a community, we need to start driving. Hedge funds, intelligence firms. control protocols, to enrich token engineering and embrace simulations as scenario analytics to be able to predict how users interact with their platform. predict what those users do, you know, produce how the system scale over time. Is this system scalable? What do we need to adjust? What are the guardrails we need to install into this product to make it sustainable over time? we can't As an industry just keep churning out ponzies upon ponzies upon ponzies. Nobody's going to take a serious we need to move the older on to talk on the summary of what I think the token engineering community, we need to remove the focus away from just token engineering. So how token engineering can be applied for simulations as their analysis. How can we conduct economic economic audits of virtual economies? How can we make crypto more scalable? How can we look into the future you know, in finance? Every quarter you get predictions from big companies. Any of this computer so far, so for this quarter, that kind of service in terms of timelines or analyzing things on a as it happens basis, we need to be ahead of the curve. We need to be so

worth thinking if we had been, as an industry, we know now would not have happened. You know, contrary to what everybody was saying at that time. There were simulations or scenarios that stood out and you know, properly created simulation the new team would have been able to see that this system is not scalable, no matter how much you put it, or whitewash it. It will not scale and without standards reputational damage without standards. Political postcards, you in Washington in the US, in, you know, Korea, of course, different points, like repetition or damage. So that's one aspect. I think token engineering community needs to start working on. We cannot just only focus on tokens and ignore what happens, what happens when you launch a token?. What happens when a user like [myself] comes and takes a loan that will basically ruin mango market [abroad] ? Do you tell me that they do not have any, you know, simulation department that could have predicted that okay, this is a risk in our system. This is a flaw in our system.

participant 6 21:52

It is not, it is not healthy. It's not healthy enough.

Lisa Wocken 22:00

Wonderful. Thank you so much. I love seeing your passion and how you are articulating this. Yeah, I'm curious because of your citation in simulations and scenario analysis. I'm curious if you could lead us into how you think about those specific areas at at more depth. What are the best ways to be thinking about that particular niche area because we're seeing the field as as having these multiple stages. One thing we're hearing from people is they want to hire a token engineer as the one person can do all this. But really, you need people that start getting more specialized in certain parts of the end to end process. Yeah, so could you share with us a little bit more about your your piece of that end to end process of what you think makes great simulations? What do you think should be factored into great scenario analysis? What specific tools do you see using what tools do you wish you had? Could you share a little bit more detail there?

participant 6 23:08

Okay, so I think

23:13

everything is on chain we have, like, at this moment, everything you need to make a good simulation is available. It's not okay, like software where you have to, you know, submit \$FOIA\$ requests to the [SEC] to get specific data on your private company or public company. is on chain. You go right to \$SQL\$ query, gets the data and stuff you do the simulations, right? Our simulation we build with the \$ethereum\$ \$Shanghai\$ upgrade we all like every single detail we retreat from. Right? So the ingredients is available. Now, all the ingredients that will meet any logic and \$machinations\$. So can you use tools like \$cadCAD\$, \$Bosco\$, when you're interacting with stakeholders who do not have strong understanding of software engineering or \$Python\$ scripts to become better just as any logic zero code or \$machinations\$ that is also 0 code so there are three versions of this because I am please use the free version of \$Machination\$ for our last work on the \$shanghai\$ upgrade. So I think everything that needs to make this cube was is available the only thing that we need is more awareness and more mental, mental repositioning the entire space. We cannot continue to tell us we cannot continue we cannot continue to act on this more. We cannot continue to churn out guesses and claim it is. You know genius is not unique to these ideas. Each says this idea there's a reason why before drugs are put out there says there's a reason why before six months, yes. Where would

traffic flow to where it should be hospital. There's a reason just wake up and waste resources like nice then. And then. So wow, he feels I'm on to my next move past it should be like, we should be older at this point. So that's what I think more awareness, more awareness, more awareness.

Lisa Wocken 26:00

Wonderful, wonderful. So that might be the most pressing need for field right now. Do you see any other needs for the field of token engineering?

26:10

Um, I think we also need to get more people in. I think we need to get more people in because this is seen as like a fringe area where he is what he essentially guys demands. Well, there's a lot of value ideas that could come from this philosophical angle. Game theory, angle, psychology and all the differences things social science angle, and all of that, so we need to get beyond Oh, I know math and necessities. I know. So I'm good for this. there are psychologist that you know, offering peace okay. This is how humans think. This is what we expect people to do and then pretty like avenues for people to come into space. That way.

Lisa Wocken 27:15

And when people come into the space are there any common pitfalls that you see?

27:22

Yeah, I see best people. copy pasting. So for example you worked on let's see, if you see something wrong, it's on an apparent approaches you just copy paste change the name. So there is not much research going in. We will need to spend more time you know, refining your research, improving the quality of the research because in my head, these cases like this, this can be really really be it can be really people. We need to take a serious we need to like improve the quality of ours. Improve the depth of our estates. We can't just keep acting on on surface level insights. We need to go deeper in that.

Lisa Wocken 28:18

Wonderful, thank you so much. The next segment we're gonna ask you questions about like very specific topics. So the first one is ethics. Can you please describe how you see ethics playing a role or not in token engineering?

28:37

So in my in my opinion, as a token engineer used to be like, an unbiased arbiter of truth. You need to approach every situation we watch in this particular case and I see a lot of you know, people this is there still needs to be more awareness done to you know, founders venture capitalist because when you start the GES stakeholders, so raise your token engineers to build on Twitch numbers in ways that favor them. So they can then take that to maybe make a pitch deck that they use to raise money flows. That's different from us. We need token engineers that can objectively look at situations right? And then determine what's true in this particular instance. Now, for example, the tokenomics design of [zucchini] to for example, should be different than the tokenomics design of, let's say, [crowbar] for example. You should be able to object a new path parameter and then objectively look at the affinity symbol reads unbiased and then make decisions based on what you find. Right now there will be room for making inferences from other projects, but it should be only after you created your base hypotheses for your project based on its own merits, or demerits, not just copy pasting and cross pollinating, you know templates. I don't think

Lisa Wocken 30:56

wonderful thing. Okay, the next topic that we'll go into is on diversity within the space. What are your thoughts on how to increase diversity and inclusivity within the field?

participant 6 31:14

isn't ready for me because I have rotary trying to advance my career so for me this kind of personal

31:31

I think it's also boiled down to mental awareness of principle gates on founders, you know, the ability to objectively look at candidates and access them based on their ability, not where they are or what they look like. I don't want to speak volumes. Those have been found out for three days on, where I'm being, you know, things like that. But I think we need to get beyond that because the core echoes of crypto at this moment, centralization and the places where I believe innovation, true innovation is coming from and not the places where key decision makers are currently up. So I don't know what so right calling you from us.

Lisa Wocken 32:46

Yeah, you can ask us \$Minnesota\$.

32:50

Yeah. Yeah. Okay. So now you currently have because the last table is seen as the global currencies because the My country has lost this year has lost more than 40%.

Lisa Wocken 33:14

And what country can I ask \$Nigeria\$?

33:17

I'm currently in \$Nigeria\$. Now the currency in my country has lost 40%, this year alone. Now, if you look at the [Chico] that's an activity crypto space from \$Nigeria\$ and \$Africa\$. We are diehard. Like, we are not here to

33:43

let's see. We're not here to massage anybody. We go on. Okay. You built a new layer one. Okay. Something just happened on some chain like practical because this affects our life. Hopefully, you can offer \$Bitcoin\$ out of love. The vast majority of my networks actually may not even survive. Right now because in half of my income revenue eroded a lot of my positive purchasing power eroded But if I were to be placed side by side with a candidate from let's say \$Minnesota\$, recruiters are most likely favor that candidate over me. There's despite me having some sort of unique insight that Nigerian candidate does not have because I understand how it affects me, especially not to me [it's good to go there] right now. Your life may probably not be as affected as my life. So we're to be as a table we were discussing cryptocurrency I think I may have deeper insight into how this standstill global. Now if you've pick someone from \$India\$, most of the deep unique insights if you teach all from the \$Philippines\$, you also get deep unique insight because that's what they do for a living but you don't see enough for us in this space right.

35:40

Do I think of it I think stakeholders also mistake the web2 growth for where web 3 should go the different the the type of market is different. The scaling part is different. [Stormy] \$Turkey\$, right? So it's true to most promises me because you did see for example is their opinion they want someone in let's say \$USA\$ or \$Canada\$ because this is something that has literally

saved their lives. So I think there needs to be more work done in expanding the scope of how we get talent into the eco system. How we recruit people into the ecosystem, how we how do you run kindly because most protocols are decentralized, right? You're distributed? Why not open up to places where people actually care about this thing? Right if drugs did not care, like if you did not deeply care about advancing, you know, computing. He may not have achieved things he would have probably still be thinking of computing on the surface. Nobody came. And he designed those things because he deeply cared about it. Right. So I think still hold on. Let's start looking. Beyond you know, the \$USA\$ beyond the waist, look to \$India\$. Look to \$Nigeria\$, look to \$Africa\$, to the \$Philippines\$, you know get more people in that can genuinely make this scale. Right. That is that is

Lisa Wocken 37:44

well stated, love it. And then just to take it further to like to get stakeholders, making sure that there's places at the table or even like new tables and new faces at those tables. What do you think it's it's going to take and and part of the reason I'm asking is because token engineering Commons is, is you know, putting this study for and, and this is something that they're invested into is trying to expand the voices heard at the table. And so what do you think? would make a stakeholder listen up?

38:28

I think I just need to realize that in several other places, this crypto movement is beyond the means of livelihood. It's a religion. It's a movement. It's a mindset. It's a do or die. In fact, it is that it has to work. Right. So when you're dealing with people, like that's when you're dealing with people like that, you in my experience because I run a business before I came into crypto that are willing to go the farthest, you know, to prove their points to do their research to do their due diligence. They often come up with the quickest brighten of ideas that you probably were not thinking about. Because, for example, if I were to be this project, I keep hammering on spectral finance, right? The first time you came in contact with I forgot to reach out to the team. And I told him, I think you guys can be really good will you be willing to have a chat to things like that? But I don't think it wouldn't be that design projects. Come on common street what I think can be possible. Now declared to be a market in \$Nigeria\$. \$Nigeria\$ alone is huge. I don't want to misquote figures but it's very huge. Millions 10s 10s of 10s of millions of dollars is traded on \$Binance\$ alone daily and adjacent markets for peer to peer lending and that can only be possible by decentralized identity decentralized identity system. Now, when you look at what's the final state for example, what's the direction of okay, use your LLC as the I will say trade in medium. That is like a very little you're not maximizing what I think your product can be I don't know if that makes sense. So the coders need to start realizing that we should be looking to other places for ideas. They should be looking for new unique insights because for a lot of people, this is not just I work in crypto this is duty. We will read it to you it becomes like global pandemics and these ideas are going to come from frenzies. These ideas are going to come from places that you know didn't work. Lisa, if you want a loan, right you will go to your bank. They will give you a loan based on your FICO cycle. I don't have any loan facility to take from debt protocol and you know compound. So, we will be examining how best we can advance. I don't think you take that personally as I will. Because this money looks like I mean, I'm credited five, you can walk into the bank and say give me a loan I want to buy a house. They probably laughed me out because get out of here. Yeah, crazy. So this is like I don't know if you

understand what I'm trying to say. We need to start looking elsewhere for ideas because this is a tool that can really outline and we need to move beyond his meme coin. Sis coin. Ponzi like it should be beyond that.

Lisa Wocken 42:49

Yeah, I'm completely picking up what you're putting down love it. I already. Yeah. And your passion is contagious and you've got my mind running. I see Natalia is put into the chat here and you started to get to this besides the mindset and the awareness, what specific initiatives and incentives do you believe will foster diversity in the field especially given that you work in the incentives and you know, scenario, space? What do you think would help I see.

43:29

I'm trying to craft my reply properly because I'm not a big fan of timing me and opportunity because this is based with us. Everybody's reaction right, more forward if your debate if you're better, I'm fine. If I'm better than you fine, improve yourself. I will improve myself. Well, I also think this would be some diversity text right? You have for example, a traditional finance you have, okay, this board of this company should have at least maybe a 20% female in \$Houston\$, or it's empty sense. Latino diversity or 10 percent, you know, LGBT, like, core people and things like that, you know, all of that. I think there should be things like that, you know, in the crypto space. You know, if there's no person for me fringe society on your team, you should probably have a check like, why is this like, this is where, apart from \$India\$ and maybe \$China\$, if I'm not mistaken, on the list of like, usage of cryptocurrency in the top 20. Do you have anybody from these countries or your team? Do you have anybody from the \$Philippines\$ on your team? Do you have anybody from \$China\$? Let's see. Do you have anybody from \$Nigeria\$? You see? Yeah, do you have any kenian on your team? you get people from this one thing I really have to \$Binance\$ for right? Okay. I'm just talking \$China\$. I did. I'm not just in the \$US\$. Let go to \$Kenya\$ and get people from that work for \$Binance\$ who are doing the best they can contribute to the best. Finance progress \$Binance\$ is sourcing ideas from different angles. Now. \$Binance\$ chain is one of the biggest chain in \$Africa\$ and in funds biggest in the world. They are not ignoring this society's and saying oh it's a scale, just like even have to actively reach out to these people. Only top 20 list of most active cryptocurrencies all your team is based in the \$US\$ I mean, you have to ask yourself the question you have to ask yourself the question.

Lisa Wocken 46:25

Love that love that line in particular, I think that summarizes a lot of quite well, it comes back to that skill set to have the critical thinking. Okay, wonderful. So this maybe is a nice segue into our next topic, which is on finances. In your perspective, what are the incentives and rewards for being a practicing token engineer?

46:50

So leaders don't the okay above the financial incentivization I think is the ability to see into the future because when we were done with our simulation, that the \$ethereum\$ \$shanghai\$ upgrade that's when I really like I have been dealing with this before the i haven't focus on different scenarios like predict certain outcomes. So when \$name\$ I don't know if you spoke to \$name\$ already.

Lisa Wocken 47:24

Yeah, okay.

47:25

So when I started talking to \$name\$, um, he, initially our mindset was all this \$shanghai\$ upgrade is not you know, that instilled in us

Lisa Wocken 47:44

I'm sorry.

participant 6 47:47

We came up with Okay. We've done

Lisa Wocken 47:53

it cut out for just a brief minute, but I think you're back your your screens frozen though right now. End can. I can hear you though. Yeah, I can hear

48:08

no, you're back. Okay. So when we started we initially thought okay, I'm the arbiter of study news. My favorite goes to places Fire, fire fire everywhere. But when we started by the time we were done, asking please if you felt we had done the whole thing correctly, because there is awful like getting word that you're going to be passing out we sure want to put this out, are we sure? because obviously what's out there is out there isn't our neighbor. We made these sorts of prediction. And then when we put it out and then the unlock team and I started minding, the numbers on wow, like you predicted this with a very high level of accuracy and I'm like wow, this is huge. This is how you know people who spread of diseases or people who predict property. I feel like so I think that's abilities very. I love it so much. Like you're looking to the future and see what the future holds. And we are also working on at the moment, you know, the discoveries we've made that you know, just contradicts what is popular and what are they like wow, wow, that is a really powerful, some financial incentive team, the unique insights that allows you to have or to generate it's, it's mind blowing, like we would have known that you could accurately predict the stock price of different events. And we did and. Yeah, very proud of.

Lisa Wocken 50:11

Yeah, wonderful. I love that. I can sense the feeling of reward even when you talk about it. One, one question that we're asking everybody just so that way as an output of the study, we can give this information back to you all is what do you think an average salary range would be for a token engineer?

50:31

So for me, I think dependents raise the university very sneer role, but I think at the base, you know, everybody she in at least 50,000 and awkward, you know, just to make the space be crazy and draw lots of attention in space because if if they are know for example, suffering became a very creative and highly sought after few because, you know, prices just kept going up. You have people with comps of 500,000, you can see and things like that. So, when you start at 50,000 60,000 Depending on how much you have, depending on how much you're able to raise I think there should be this 50 60,000 piano. Wonderful, thank

Lisa Wocken 51:31

you. Okay, we're gonna move on to the last couple of questions here. Looking at the future. This is a two parter. What do you wish for the field? And where do you hope to see it in the next or expect to see it in the next three years?

participant 6 51:49

For the future, I hope

51:55

gone mainstream soon enough. And in the future, every company has its token engineering departments. Because that's the one of the only ways we scale demand. We cannot have
52:17

I'm still of the opinion. That's all top token engineering shops. cannot scale. It cannot be what drives this particular field forward. Imagine you had 10 companies and they said they were software engineering companies. And everybody had to go to these companies. Do it to me because there is no need for you hiring a okay. Software engineer to your team because you go through the same stuff in your income is absorbed concepts concept because you need to actively inculcate people into your team. Get token engineers into your team, your simulations and scenario analysis into your team. Right. So, I think every company every project, the moment they hire, they hire a simulation. And scenario analysis. They hire software engineers, I think when those that when I see that happen, are very satisfied with how far we've come. Until then. I think we're just going to have a few you know, companies where it's okay to seek stepping Copy Paste templates to everybody and, you know, us repeating our mistakes. We need to have people attached to each company, each company, each company and how we are going to drive forward.

Lisa Wocken 54:00

Wonderful, thank you. We're just a couple minutes left here. The last question we're curious to ask is whose work do you admire in this space and we are wrapping up our interviews, but if there's anybody that you want to ensure that we get you've been mentioning Chris, if you could put his name and just so I can double check that what I told you is true that we Yeah, if you can put Chris's name in the chat just so we can do a double check on our end. But yeah, I want to make sure I got

54:37

three threes so far. Everybody calls the \$name\$.

Lisa Wocken 54:48

Yeah, yep. I believe. Yep. \$name\$? Yeah, I think we've got him on the docket. And then who's who else's work do you admire in the space

54:59

one of one of the people whose work I raised that drew me to this space was \$name\$, I was fascinated by how well he taught. You know, it's, it's one thing to go to school to study math that has been fully formulated. And accelerated is another thing to design math. Like you're designing your own. So it's like, wow, all of this comes from your hands. Just, you know, without with no templates, no. Trial. You know, working templates, you could use the standard operating procedure. You could use before you sat down and started designing within from a first principle thinking and it is lovely. With time, we can be able to do something like that for simulations and snare. I think there has to be a need to stop. It's, you know, certainly engineering, home simulations and scenario analytics for now. It's like, it's success on the trainer, but there'll be differences. And I think, hopefully, we're able to create that sort of first principles thinking for how we can provide solutions.

Lisa Wocken 56:25

Wonderful. Do you have any last thoughts or questions for us before we close here?

participant 6 56:33

No, I'm really excited to have spoken to you guys so I'm really excited to see action.

Lisa Wocken 56:48

Yes, likewise, we're incredibly excited to have spoken with you. I am so thrilled that you're a part of the study. I really appreciate the insights that you shared and with that, we just want to say that the next steps out of this are we're going into nowadays very soon. We're heading next week already. And then by July, we should have our initial report that we can share with you toward the end of end of the month. So thank you, thank you. Thank you, really

participant 6 57:19

holds. Thank you very much. Thank you. Thank you.

Lisa Wocken 57:23

Yeah, likewise, thank you so much. recording stopped. Okay, recording stopped and then