Quredge: the Quantum Residency at Edge

by [Mati Bilkis](#)

Overview

At least two faces of quantum physics are extremely overlapping Edge City's scope: technology and philosophy implications. Many questions on these *quantum topics* have remained open for a while (maybe a century by now) and that's a very effective curiosity spark spanning so many communities. But many other questions have recently been answered; particularly in the tech field: *is the second quantum revolution happening?* Absolutely yes.

Setting up a Quredge is relevant (and timely) for different reasons. I have identified three main legs for which Edge could make a significant contribution and somehow steer the field's advancement

1. **Ecosystem:** Ethereum is way more than sending money through a blockchain. Quantum tech is also way more than solving discrete logarithm problems (potentially breaking some massively adopted cryptographic protocols such as RSA, ECC, and giving rise to a whole field coined *post-quantum cryptography,* which is not little*).* Yet, Ethereum lacks a quantum workforce that both identifies, develops and provides solutions with quantum technologies (that go well beyond cryptographic applications). Is there room for an interdisciplinary *Quantum Ethereum workforce?* Will it be borned at Quredge?

2. **Research:** Quredge could be the perfect transdisciplinary quantum research sandbox, if organized properly. It'd be extremely interesting - even as a social experiment - to bring a quantum hardcore-tech research squad to Edge for a couple of weeks, just to let them interact with the community [we can either frame this as a summer workshop/ school similar to [LANL's](#) - with or without a

fellowship, we'll choose the engaging strategy later - or as an alternative conference]. On the other hand, Quredge is quite unique to seriously discuss collaborations between artists and scientists (I've hosted a panel on quantum application discovery and creativity catalysis at the last IEEE quantum week, so I know who are the main players in the US that'd be down to come. Needless to say, the underlying question is how to optimize brainstorming when it comes to quantum applications research (that's a trillion dollar question, yet to be addressed... see [this](#) as a concrete example)

3. **Business:** aligned with the incubator face of Edge, we can easily bring VCs but also research teams at big tech companies working on quantum computing. The novelty - and this can be very effective - is that Quredge can bring together the scientific leads of VCs and quantum consulting firms to help them *recover* the feeling of doing research. I was giving a thought to this, and would like to stress the importance of this thinking on possible continuations and a "belonging" feeling. It's also important to discuss if the SV-way of startup model is the right one for the quantum economy; there's a whole line of work I foresee at Quredge: *storytelling and quantum economy: how to frame a tech revolution?*

A few lines of work that should resonate with Edge City

There's an infinite amount of hypie-keywords and fancy words, and somehow providing meaning to all that bubble is a task that very motivated people at Edge could easily carry out. However, let me increase the list here, and provide a short context.

- ***Myths and truths around spirituality and quantum mechanics.*** Why is quantum and soul so entangled, and such a thing? This falls more into the category of research, and if we need to add tags, that'd be #physics, #philosophy, #quantum-foundations
- ***Expanding the quantum toolkit: transdisciplinary catalysis for application discovery.*** keywords: #Science, #Arts, more info [here](#).
- ***A quantum App incubator: from the needs to filling the gaps.*** This may sound standard for the scope of Edge City, but it's not in

quantum communities, and adopting new 'incubation techniques' can be disruptive.

- **Blockchain // web3 // Shor's Algorithm // RSA // ECC // post-quantum cryptography**. Can we please make an interdisciplinary report on this? All information out there is either crap, very biased or unupdated.
- **Distributed quantum computing**, a quantum blockchain, blind quantum computing and the quantum economy. Since computing power increases exponentially when adding qubits up, the whole geopolitics of technology will change (to a decentralized nature actually!). Quantum money.
- **Better-than-what?** From faster time-series forecasting, complex system modelling, biosensing to 7G, we need to revisit the quantum advantage from an interdisciplinary perspective (encompassing both an ethical business model, the social impact and scientific credibility)
- **Quantum biology track**

The value of Quredge & potential outcomes

I would be interested to structure (all) this further, but (in order of importance) I guess the outcomes would be:

1. Ethereum quantum workforce roadmap
2. Blueprints for bridging social gaps with quantum tech
3. Artworks
4. Code repos, perspectives & papers.

Financial Support

Support for this quantum residency will be coordinated by QutSur LLC. Check the [Edge Esmeralda 2026 Partnership Deck](#) or more details.

The goal is to guarantee a high-quality event, with participation of both academics, VCs and quantum startups.

Sponsor Packages

Presence: ~1,000 builders & high-signal individuals across month (300+ people at any given time)

Monthly Ticket Value: $3,000 pp (final price) - use for team, subsidise talent or support a residency

Exposure: 30K+ direct reach, plus 3M+ participant amplification (X, Newsletter, and more)

SHAPER | $100K

☀ 15x monthly tickets
☀ 8x nominate scholar
☀ 30% comm. discount
☀ Unlimited talk oppty
☀ Dedicated liaison

Either:
A. Full residency mgmt.
B. Custom village infra.
   integration (eg. tech)

MOVER | $50K

☀ 7x monthly tickets
☀ 4x nominate scholar
☀ 20% comm. discount
☀ Weekly talk oppty

Either:
A. Themed week track
B. Month experiment
C. Curated team retreat

IMPACT | $25K

☀ 3x monthly tickets
☀ 2x nominate scholar
☀ 15% comm. discount

Either:
A. 3x programming slots
B. 1-2 day summit
C. Week experiment

COMMUNITY | $10K

☀ 1x monthly ticket
☀ 10% comm. discount

Either:
A. 1x featured talk
B. Cover 1x talented
   individuals to attend

Proportional promotion via socials, newsletter, website, art, digital messaging & IRL endorsements for all