



AMUKTRADE

## **Amuktrade & Emergent Finance**

**We now have the technology and the data to fundamentally change how the financial market works -- what and how assets are priced and how they are traded. We now can create a stable, rational and equitable financial market for all of us.**

### **What is Amuktrade?**

Amuktrade is a borderless permissionless censorship-resistant equitable peer-to-peer trading app on which two counterparties can swap, without buying or selling anything, any two assets or investments, from anywhere in the world, anytime, privately and securely. The swaps can be for hedging or speculating. The counterparty whose asset performs better wins money from his counterparty.

### **What is Amuktrade Coin (ATC)?**

ATC is our Cryptocurrency processed and settled on the Ethereum blockchain for eliminating counterparty risk in settling trades and payments on Amuktrade.

### **Why Amuktrade?**

#### **We're building the next financial market**

We live in a rapidly-changing increasingly uncertain world. The bull market may end anytime. The economy may turn south. Our jobs and savings may disappear and some of the biggest companies now may also disappear.

It's time to take gambling out of our investments. It's time to end trading and investing, both in the primary capital-raising and in the secondary markets, based on speculative irrational unpredictable market prices/valuations driven by mood, hype, fear, uncertainty and doubt much of which is orchestrated and manipulated.

Instead, we must start calculating stable intrinsic values of all assets, products and service -- using machine learning/deep neural networks and, soon, quantum computing -- and start trading and investing based on these stable intrinsic values.

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In his 1776 book “The Wealth of Nations”, Adam Smith discussed extensively “real” and “nominal” prices of commodities and labor and the importance of understanding the two different prices. “The real price of everything, what everything really costs to the man who wants to acquire it, is the toil and trouble of acquiring it,” Adam Smith wrote (Book 1, Chapter 5). “The same real price is always of the same value,” he wrote (Book 1, Chapter 5).

In the financial markets today, however, we simply never can calculate or know the “real” price of anything. We are only informed of past market prices after the fact. The market prices themselves rarely reflect “real” prices making them irrational at any given point in time, while there's no consensus on what “real” prices are making the markets full of chaos.

### **The current markets are cynical gambling dens**

In times when information traveled at the speed of horses, stock exchanges as both primary and secondary markets made sense for fast and efficient capital-raising and trading. Now they're just proprietary computer networks facilitating gambling, at higher and higher speeds, with regulatory approval.

The current bond, currency and derivatives markets, exchanges or over-the-counter, are no better.

And since the current financial markets are essentially medieval institutions, the use of rapidly advancing technology is only rendering them more and more chaotic. They're now exhibiting increasing entropy of a decaying system trapping the traders and investors in increasing uncertainty and insecurity.

How can we fix this?

### **We need value-based capital-raising and trading**

The next financial market that we're building has four major elements:

1. Calculating intrinsic values of all assets, products and services using a set of formulas and principles. Soon many of these assets, products and services will be self-pricing as part of the internet-of-things.
2. Raising capital on a decentralized platform for products and services based on their intrinsic values.

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3. Trading assets on a decentralized secondary market/platform based on their intrinsic values, and
4. A cross-asset cross-border cross-market decentralized peer-to-peer platform for swapping assets, financial and physical, for hedging or speculating, without needing to buy or sell anything -- **Amuktrade**

Let us elaborate a few points:

1. As part of our effort to calculate intrinsic values of all assets, we intend to calculate intrinsic values of assets -- natural or manmade -- with no revenue or revenue-potential also. The National Forest Service has a “tree benefit calculator” which, given some details of a tree in a certain neighborhood, can calculate the dollar value of the annual “economic benefit” of the tree. Using this calculator as an example, we will create valuation model(s) for assets which are beneficial but have no revenue or revenue-potential. Based on these valuations, capitals can be raised for these assets and they can be traded. This will create financial opportunities for many who're doing valuable work in different fields but are dependent mostly on donations and small budgets, and also create completely new businesses with new business models and jobs in, for example, taking care of natural resources, animals and wildlife and the environment.

We have created a mobile app **Unprice** in iOS and Android (<https://unprice.world>) on which users can upload photos and videos, including 360 panoramic and virtual reality photos and videos, with brief descriptions, of objects and assets -- practically anything under the sun and beyond -- and “unprice” them (estimate the dollar values of their overall benefits) with friends and other users. All assets on Unprice can be directly traded on Amuktrade through financial swaps. This is our starting point while we're creating our valuation models.

2. Once we calculate the intrinsic values of assets, products and services, we can raise capital for them based on these values by issuing digital tokens. We intend to create a **new decentralized primary capital-raising market** for this.

3. These digital tokens can be traded in secondary markets based on their intrinsic values, with liquidity premium added/subtracted for liquidity. We intend to create a **new decentralized secondary market** for this.

4. Since stocks and other exchange-traded assets can be traded primarily only through brokers, only on the exchanges and on the basis of prices generated on the exchanges, if we want to trade them outside the exchanges it can be only through financial swaps.

On **Amuktrade** mobile app in iOS and Android (<https://amuktrade.com>) we can trade any asset, from Apple stock to the tree outside your window, from any part of the world, through private peer-to-peer financial swaps. We can swap Apple stock, for example, for Google stock

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according to their prices on the exchanges, or according to their valuations by an analyst, or according to their earnings increase/decrease, or any other factor/variable that we choose. Each swap is entered into and settled privately between two counterparties without brokers, intermediaries or exchanges.

For explanation about how a swap on Amuktrade works, please see our FAQ.

### Some cool facts about Amuktrade

You can swap, without needing to buy or sell anything, any two assets, from any two parts of the world, any time, with any one you choose. For hedging or speculating. And make money if your asset outperforms your counterparty's asset.

You don't need a brokerage account or a broker.

You don't have to pay any commission.

You don't have to trade on an exchange at irrational prices. Instead, swap assets peer-to-peer on the basis of their intrinsic values, or whatever factor/variable you choose.

You don't have to compete against anonymous traders with superior information and financial resources and trade at a disadvantage.

### When can you Amuktrade?

Right now.

Amuktrade mobile apps are now operational. Download it from the Apple app or Google play stores.

<https://itunes.apple.com/us/app/amuktrade-investments-betting/id1168969574?mt=8>

<https://play.google.com/store/apps/details?id=com.amuktrade>

### How to Amuktrade?

Diagram of how a swap currently works on Amuktrade:

Counterparty 1 (CP1) thinks Apple stock price will do better than Google stock price between 3-4 pm EST, today



CP1 creates a swap proposal to receive the percentage increase/decrease of Apple stock price and pay the percentage increase/decrease of Google stock price between 3-4 pm EST today. He chooses the payment to be based on the Notional Amount of 100 (ATC or any fiat/crypto currency of choice) with the maximum net payment of 10 (in same currency)

He sends this proposal to his trading partners on Amuktrade and to his contacts, colleagues, friends etc outside Amuktrade



A.                      B.                      C.                      D.                      E.

C accepts his proposal and becomes Counterparty 2 (CP 2) in the swap



After the swap ends, CP1 settles the swap by entering the Apple and Google stock prices at 3 pm and at 4 pm. Then Amuktrade automatically calculates the net payment by the losing CP to the winning CP

CP2 accepts the settlement and the losing CP pays the winning CP.



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Diagram of how a swap will work after all ATC payments are guaranteed:

CP1 thinks Apple stock price will do better than Google stock price between 3-4 pm EST, today



CP1 creates a swap proposal to receive the percentage increase/decrease of Apple stock price and pay the percentage increase/decrease of Google stock price between 3-4 pm EST today. He chooses the payment to be based on the Notional Amount of 100 ATC with the maximum net payment of 10 ATC

He sends this proposal to his trading partners on Amuktrade, and to his contacts, colleagues, friends etc outside Amuktrade



B.                      B.                      C.                      D.                      E.

C accepts his proposal and becomes CP2 in the swap



After the swap ends, CP1 settles the swap by entering the Apple and Google stock prices at 3 pm and at 4 pm. Then Amuktrade automatically calculates the net payment in ATC by the losing CP to the winning CP. Then,

Scenario 1: CP2 accepts the settlement and the ATC is automatically transferred from the losing CP's account to the winning CP's account

Scenario 2: CP2 does not accept the settlement and the swap settlement becomes disputed. The disputed swap is sent to the Oracles network of Swap Dispute Settlement nodes.



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I. II. III. IV. V. VI. VII. VIII. IX. X



If 51% of the nodes in the Oracles network reach a consensus on a settlement, the swap settlement dispute will be considered resolved.

Each node belonging to the 51%+ majority will be awarded a mathematically determined amount of ATC. This is how ATC will be mined on Amuktrade.

## Amuktrade Roadmap

Eliminate counterparty risk by guaranteeing all payments made with our cryptocurrency ATC -- January 2019

Create an Oracles network of nodes to resolve swap settlement disputes. Disputes will be settled by 51% majority of nodes reaching a consensus. Each node belonging to that majority will be rewarded with a mathematically determined amount of ATC. This is how ATC will be mined -- January 2019

Use cryptography for enhancing privacy and security of each swap -- January 2019

Introduce extending/rolling over of swaps on an ongoing basis for long-term swaps -- April 2019

Introduce selling of swap positions by one counterparty to a new counterparty for quick profits and/or cutting losses before the swap ends -- April 2019

Introduce direct swapping/bartering of financial and physical assets, products and services with price differences paid in ATC -- June 2019

Entire Amuktrade to run on its own decentralized censorship-resistant fast scalable secure protocol. Each user device will act as a node for sending, receiving and accepting swap proposals on the network and settling swap disputes for mining ATC -- December 2019

## **Emergent Finance Roadmap**

Creating intrinsic asset valuation model(s).

Launching the Unprice public blockchain project.

Launching the decentralized primary capital-raising market.

Launching the decentralized secondary trading market.

Integrating the Next Financial Market and create our vision of Emergent Finance.

## **Our hope for the future of humanity**

Together we can make our financial future better for ourselves, our children and future generations to come. And be on the right side of history.

Prepared by:

Anna Mukhopadhyay

Founder, Amuktrade and Unprice mobile apps

<https://www.linkedin.com/in/annamukhopadhyay>

[anna@amukinc.com](mailto:anna@amukinc.com)

October, 2018

New York City, USA