Big Picture Commodity, FX Year End Technical Analysis

Darren Chu, CFA

Jan 7, 2020

https://tradablepatterns.com



DISCLOSURES

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This material does not and is not intended to take into account the particular financial conditions, investment objectives or requirements of individual customers. Before acting on this material, you should consider whether it is suitable for your particular circumstances and, as necessary, seek professional advice.

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The information provided in this presentation is believed to be accurate, but the accuracy and completeness of the information is not guaranteed.

□ Past performance is not indicative of future results.

BIO Darren Chu, Founder Tradable Patterns



Publish <u>Tradable Patterns - daily newsletter</u>

- Technical analysis featured on Bloomberg Terminal, Refinitiv Eikon, Factset Terminal, <u>Interactive Brokers' IB</u> <u>Traders Insight</u>, <u>InsideFutures</u>, <u>ZeroHedge</u>, <u>Liquid</u> (Quoine), <u>EXMO</u>
- Newsletter covers CME, ICE equity index, commodity futures markets along with VIX, spot FX and cryptocurrencies (as seen in my <u>Watchlist</u>)
- □Introduce PE/VC/Family Offices to direct investments (Tech, Medtech, Healthcare, Education, F&B, Property)

Previously served as IntercontinentalExchange | NYSE Liffe's country manager for Australia, India, and the UAE between July 2010 and January 2014, expanding role to look after Liffe business development in APAC ex-Japan/Korea until his departure mid April 2014 BIO Darren Chu, Founder Tradable Patterns Marketed Canadian futures and options for <u>TMX</u> <u>Group | Montreal Exchange</u> for 4 years, across North America, London, Singapore and Hong Kong

Developed and presented <u>CMC Markets Canada</u>'s educational offering, and headed up Chinese marketing and sales team

■Wrote course content for 3 derivatives courses offered by <u>Canadian Securities Institute</u>



Presentation Outline

Technical Analysis of AgrisSoybean, Wheat, Corn

Technical Analysis of Indices
S&P500, Nasdaq100, VIX

Technical Analysis of Metals/Energy
WTI Crude, Natural Gas, Gold, Silver

Technical Analysis of FX
 USDCAD, USDJPY, USDCHF, AUDUSD, EURUSD, GBPUSD, AUDJPY, EURJPY, GBPJPY, GBPAUD

Technical Analysis of Softs
Arabica Coffee, Cocoa, Raw Sugar, Cotton

Technical Analysis of Agris

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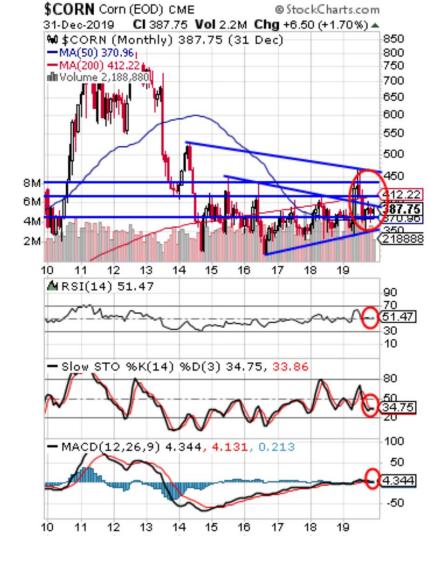
Soybean (ZS)



Wheat (ZW)



Corn (ZC)





Technical Analysis of Indices

https://tradablepatterns.com



S&P500 (ES)



Nasdaq100 (NQ)



VIX (VX)





Technical Analysis of Metals/Energy

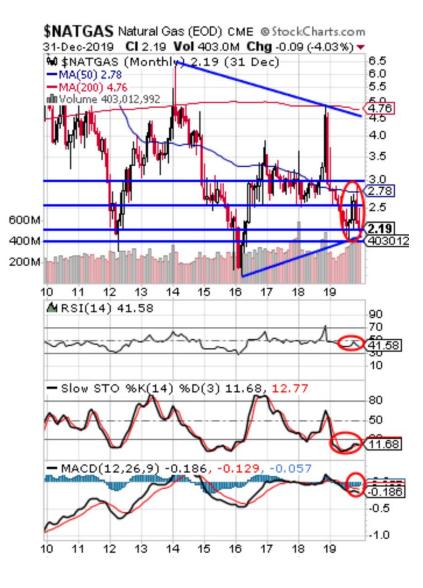
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WTI Crude (CL)

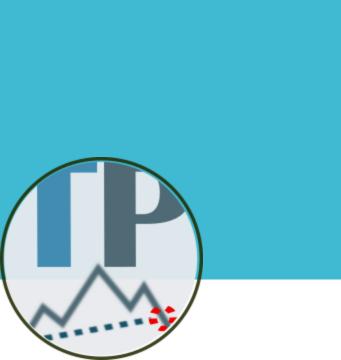


Natural Gas (NG)



Gold (GC)





Silver (SI)



Technical Analysis of FX

https://tradablepatterns.com



USDCAD





USDJPY



USDCHF





AUDUSD



EURUSD



GBPUSD





AUDJPY



EURJPY





GBPJPY



GBPAUD



Technical Analysis of Softs

https://tradablepatterns.com



Arabica Coffee (KC)



Cocoa (CC)



Raw Sugar (SB)



Cotton (CT)





Why Tradable Patterns? Most traditional equity/FX/commodity analysts don't have nuanced understanding of technical analysis

□Traditional research/analysis providers offer overly verbose content, with few making use of multiple timeframe analysis

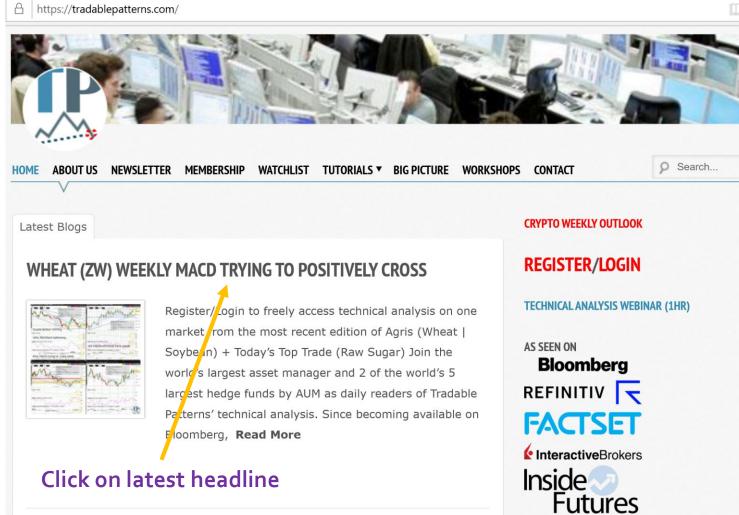
□Tradable Patterns (TP) provides intuitive visual weekly technical analysis content that takes 1-2min to read per market analysis

Long/medium/short-term support/resistance levels more easily seen through charts

TP makes calls on long/medium-term potential trend reversals as they're forming

□TP offers coverage of different asset classes each weekday and Sunday as seen w/ <u>Watchlist</u>

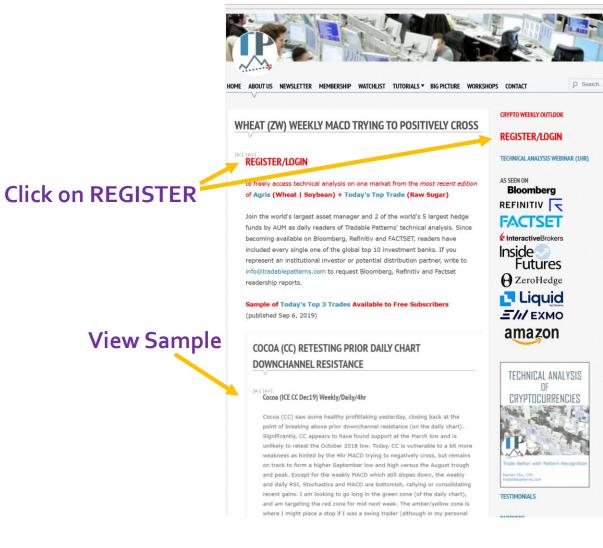
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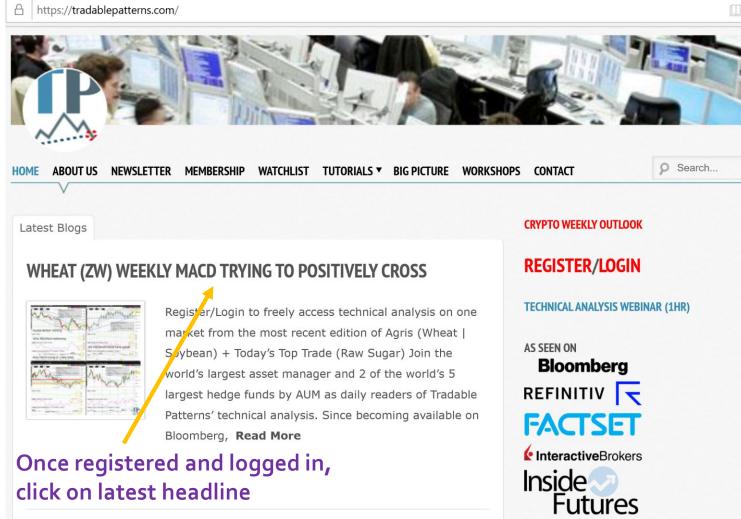
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Sample Content





Sample Content

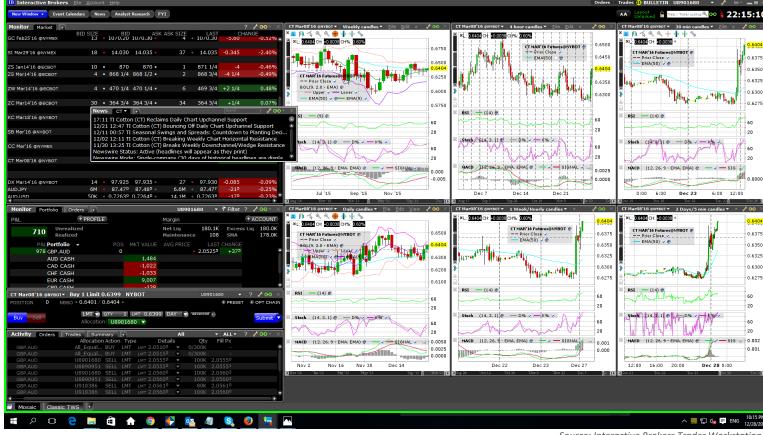




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Interactive Brokers Trading Platform **Embeds Free** Portion of Newsletter

Interactive Brokers links to technical analysis of 1 out of 3 markets covered in <u>Today's Top 3 Trades</u> viewable from their trading platform (desktop/mobile) within the newsfeed for market symbols whose content I provide



Interactive Brokers Trading Platform **Embeds Free** Portion of Newsletter



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ASK IBOT

NEWS

Tradable Patterns - GBPJPY Nearing 6 Month High Ahead of UK CPI Data TI • 11/14 13:00

Tradable Patterns - Wheat Forms 1st Green Weekly Candle in 6 Weeks TI • 11/13 16:51

Tradable Patterns - Soybean (ZS) Reverses Post-WASDE Selloff TI • 11/12 23:48

Tradable Patterns - Cotton (CT) Tests Key .80 Level Post-WASDE TI * 11/09 12:59

Tradable Patterns - Cotton (CT) Weekly MACD Trying

Interactive Brokers Website Publishes Free Portion of Newsletter

Clicking on any of the TP news headlines from an IBKR trading platform links to Tradable Patterns' <u>IBKR Traders' Insight</u> <u>webpage</u>

□ In October 2019, content ranked 4th most popular (in page views) among 92 third party contributors (e.g. Barron's, Briefing.com)

https://www.tradersinsight.news/category/contributors/tradable-patterns/

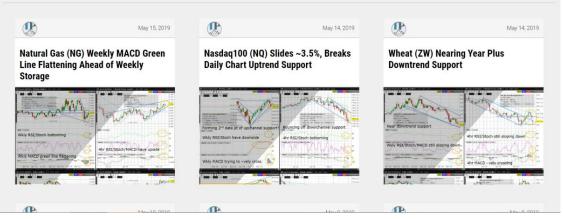
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TRADABLE PATTERNS

As seen on Bloomberg, Refinitiv (Thomson Reuters), Factset, Interactive Brokers, and Inside Futures, **Tradable Patterns**' Today's Top 3 Trades provides technical analysis on 3 CME/ICE commodity/index futures or spot FX markets (with coverage for 2 markets from a designated asset class(es) for each weekday as seen in the Watchlist), plus the top trade idea for the day from any asset class. All 3 markets covered are selected based on their likelihood to exhibit trend reversal or continuation during the week that begins on the day of coverage, based on technical analysis and news flow. For instance, Monday coverage is on 2 Agris (and potentially 1 Index), while Tuesdays are devoted to 2 Indices (and potentially 1 Soft). Crypto Weekly Outlook offers technical analysis on Bitcoin (BTCUSD), Ethereum (ETHUSD) and Ripple (XRPUSD) and attempts to provide clues as to what might happen in the coming week. For less experienced traders, tutorials and workshops are offered online and throughout Southeast Asia.



Interactive Brokers Translates Content, Posting on Wechat, Snowball, etc

Wechat, Snowball, et



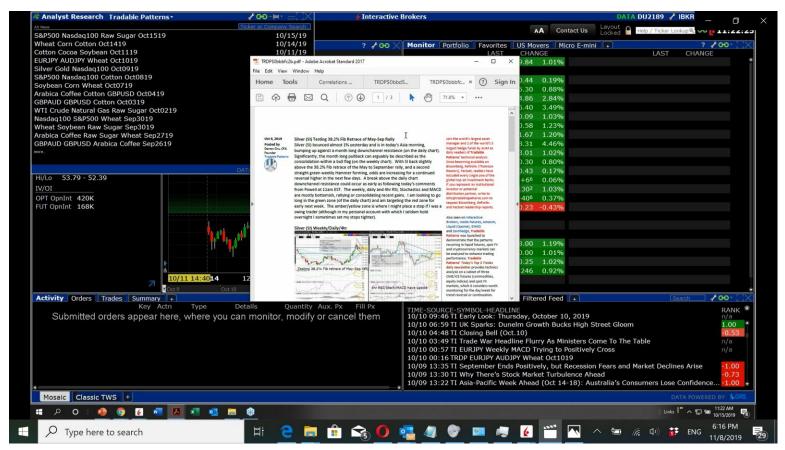
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Event Calendar	Altavista - ETF Alternatives	2995.89 +29.74 1.00%
General Tools	Altavista Research	
Order Entry	Briefing.com General Market Columns	236.25 +0.38 0.16%
Portfolio	ETF Guide Research	- 1751.87 +15.44 0.89%
Watchlist	Edison Research	- 175.97 +4.81 2.81%
Quote Details	Edison Video	· 189.55 +6.27 3.42%
Trade Log	Estimize Research	8.80 +0.08 0.92%
Alerts	EventShares Research	47.68 +0.64 1.36% 141.25 +1.70 1.22%
Market Depth (Level II)	EventVestor - Free	194.92 +8.39 4.50%
BookTrader	Hammerstone Reports	· 194.92 +0.95 4.30%
Toolbox	Insider Insights - Free	37.76 +0.29 0.07%
Chart	New Constructs Research	257.27 +0.31 0.12%
	Recognia Technical Insight	+400.04%
Order Management	Reuters Briefs	- 1.2719 ⁴ +112 ⁴ 0.89%
Time & Sales	Reuters StockReportsPlus	$-108.81^4 +41^4 0.38\%$
Scanners	Reuters Transcripts	NYMEX 53.40 -0.19 -0.35%
Forex	Slingshot Insights - Free	
Information System	Stock Traders Daily - Free	
Event Calendar	Stock Traders Daily - Trading Reports	@GL * 1524.60 +18.00 1.19%
Daily Lineup Calendar Events	TheStreet Equity Research	©GL 2995.00 +29.50 0.99%
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Option Analysis	Accern	B TI Closing Bell (Oct.10)
Advanced Option Tools	Alliance News	TI Trade War Headline Flurry As Ministers Come To The Table n/a
Other Tools	Alliance News - Italian	7 TI EURJPY Weekly MACD Trying to Positively Cross n/a
IBot - type to trade	Argus Research	5 TRDP EURJPY AUDJPY Wheat Oct1019 TI September Ends Positively, but Recession Fears and Market Declines Arise
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Growing Institutional Following on Bloomberg, Refinitiv, Factset

>400 hedge funds, banks, asset managers, corporates downloaded TP content on Bloomberg, Refinitiv, Factset Jul19

□ Frequent Hedge Fund readers include:

- Renaissance Technologies (USD 80B AUM)
- Two Sigma (USD 50B AUM)
- Millennium (USD 35B AUM)
- Citadel (USD 30B AUM)
- Stevens Capital Management (USD 5B AUM)

□ Frequent Investment Bank readers in Jul19:

- Credit Suisse
- JP Morgan
- Wells Fargo
- Citigroup
- Goldman Sachs

World's largest asset manager (Blackrock)'s quant unit (Scientific Asset Equity would be world's 2nd largest hedge fund @ USD 105B AUM if standalone business) has downloaded TP content on Refinitiv everyday since mid Jul19

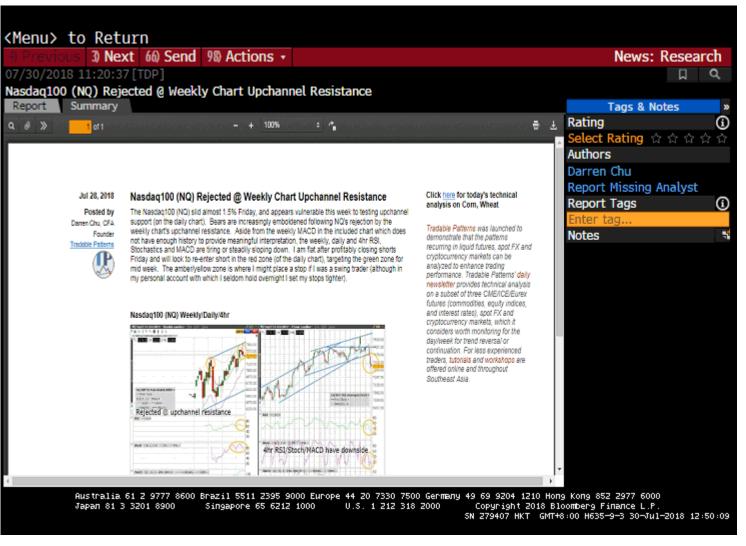
Source: Bloomberg, Refinitiv, Factset monthly readership reports

Growing Institutional Following via Bloomberg Terminal

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Source: Bloomberg Terminal

Growing Institutional Following via Bloomberg Terminal



Source: Bloomberg Terminal

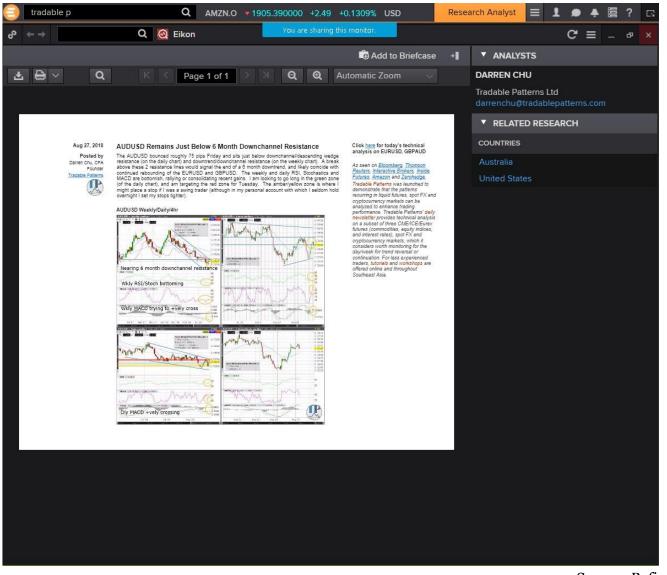
Growing Institutional Following via Refinitiv Eikon

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							Soybean (ZS) Weekly MACD Trying to Positively Cross Ahead of WA	٥Ŀ	08-Apr-2019		Primary Company
							Bitcoin (BTCUSD) Breaks Above Key 5000 Level	٥Ŀ	07-Apr-2019		Keyword Search 🖪
							Raw Sugar (SB) Weekly MACD Trying to Positively Cross	٥Ŀ	05-Apr-2019		Document V Enter Text
							USDJPY Testing Daily Chart Triangle Resistance Ahead of NFP	٥Ŀ	05-Apr-2019		Add Keyword V
							WTI Crude (CL) Testing 61.8% Fib Retrace of Oct-Dec Fall	٥Ŀ	03-Apr-2019		Sort By Relevance
							Nasdaq100 (NQ) Forming 14th Green Weekly Candle in 15 Wks	٥A	02-Apr-2019		Report Types Report Types (0)
							Soybean (ZS) Testing 5 Month Low	٥Ŀ	01-Apr-2019		
							Bitcoin (BTCUSD) Nears 4 Month High	٥Ŀ	01-Apr-2019		Contributors Q Tradable Patterns Ltd
							Cocoa (CC) Weekly MACD Trying to Positively Cross	٥Ŀ	30-Mar-2019		Exclude Selected
							USDCAD Weekly MACD Trying to Positively Cross	٥Ŀ	28-Mar-2019		Exclude by CTB Type (0)
							WTI Crude (CL) Testing 50% Fib Retrace of Oct-Dec Fall	٥Ŀ	27-Mar-2019		Clear Search
							VIX (VX) Testing Daily Chart Descending Wedge Resistance	٥Ŀ	26-Mar-2019		► ANALYZE RESULTS
-							Corn (ZC) Weekly MACD Trying to Positively Cross	٥Ŀ	25-Mar-2019		
							Bitcoin (BTCUSD) Retesting Key 4000 Level	٥Ŀ	24-Mar-2019		
							Cotton (CT) Breaks 9 Month Downchannel Resistance	٥Ŀ	22-Mar-2019		
							AUDUSD Testing Weekly Chart Downchannel Resistance	٥Ŀ	21-Mar-2019		
							Natural Gas (NG) Retests 61.8% Fib Retrace of Dec-Feb Fall	٥Ŀ	20-Mar-2019		
							S&P500 (ES) 3 Month Ascending Wedge Nearing End Ahead of FO	٥A	19-Mar-2019		
							Soybean (2S) Daily MACD Trying to Positively Cross	٥Ŀ	18-Mar-2019		
							Ethereum (ETHUSD) Daily MACD Trying to Positively Cross	٥Ŀ	17-Mar-2019		
							Cotton (CT) Consolidating Just Below Key .75 Level	٥Ŀ	15-Mar-2019		
							GBPUSD Retests 50% Fib Retrace of Apr-Jan Fall Ahead of Brexit V	٥Ŀ	14-Mar-2019		
							WTI Crude (CL) Weekly Chart Ascending Wedge Near Completion	۵B	13-Mar-2019		
							S&P500 (ES) Retesting 76.4% Fib Retrace of Sep-Dec Fall	٥Ŀ	12-Mar-2019		
		+ Argentina	Mr. Darren Chu, CFA	n/a	Tradable Patterns Ltd	1	Corn (ZC) Tests 2018 Low Post-WASDE	٥Ŀ	11-Mar-2019		



Source: Refinitiv Eikon

Growing Institutional Following via Refinitiv Eikon



Source: Refinitiv Eikon

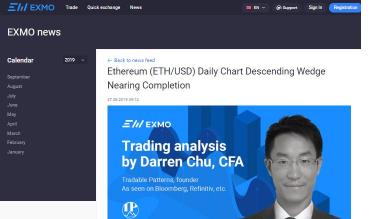
Growing Institutional Following via Factset Terminal

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12:11 PM IB	3KR-US 1	Tradable Patterns	VIX (VX) Forming 1st Green Weekly Candle in 6 Weeks Ahead of NFP					Darren Chu
06 Sep '18 IB	3KR-US 1	Tradable Patterns	Raw Sugar (SB) Reclaims Weekly Chart Downchannel Support					Darren Chu
05 Sep '18 IB	BKR-US 1	Tradable Patterns	Corn (ZC) Daily MACD Trying to Positively Cross					Darren Chu
04 Sep '18 IB	BKR-US 1	Tradable Patterns	Nikkei (NK) Daily MACD Trying to Negatively Cross					Darren Chu
03 Sep '18 IB	BKR-US 1	Tradable Patterns	Eurostoxx 50 (FESX) Daily MACD Trying to Negatively Cross					Darren Chu
31 Aug '18 IB	BKR-US 1	Tradable Patterns	Raw Sugar (SB) Weekly MACD Trying to Positively Cross					Darren Chu
30 Aug '18 IB	SKR-US 1	Tradable Patterns	Cocoa (CC) Testing 38.2% Fib Retrace of May-Aug Fall					Darren Chu
E			Viewer	×	< _			
VIX (VX) For	ming 1st Green				5			
	Sep 7, 2018 Posted by Darren Chu, CFA Founder <u>Tradable Patterns</u>	The VIX (VX) rallied Farm Payrolls (NFP, weeks, and appears and weekly chart), consolidating recent targeting the red zo	ing 1st Green Weekly Candle in 6 Weeks Ahead of NFP is 3rd straight day yesterday ahead of today's highly anticipated monthy US Non-) at 830am EST. Significantly, the VX is forming the first green weekly candle in 6 to be a day of 2's volatility away from testing downchamer (resistance (on the daily The weekly, daily and 4m RSI, Stochastics and MACD are bottomish, railwing or gains. I am looking to go long post-NFP in the green zone (of the daily chart), ne for Tuesday. The amber/yellow zone is where I might place a stop if I was a gh in my personal account with which I seldom hold overnight I sometimes set my alty/4hr	Click here for today's technical analysis on Nasdaq100, GBPAUD As seen on Bloomberg. Thomson Reuters: Interactive Brokers. Inside Eutures, Amazon and Zerchedge. Tradable Patterns was launched to demonstrate that the patterns recurring in liquid futures, spot FX and cryptocurrency markets can be analyzed to enhance trading performance. Tradable Patterns' daily newsletter provides technical analysis on a subset of three CME/CE/Eurer futures (commodifies, equity indices, and inferest trates), spot FX and cryptocurrency markets, which it considers worth monitoring for the				

Source: Factset Terminal

Distributed by Eastern Europe's Largest Crypto Exchange





Enterum (ETH400) spent this past week just below the psychologically key 200 whole figure lews. Bulls should per sprime any day though a kined by the bottmice and JNRS is Schockies and IAOC and the desanding wedge serving completion (on the daily orient). The raily could quickly flatten the still slightly downsloping weekly Stochastics. A decisive break back above 200 will likely councile with Biccoin (BTCUSD) attempting to continue its bull market aine is at December. Note that the two spikes lower (on the daily orient) and prime specific to the Uaudi ETH3D market due to insufficient liquidity, marketmaker and circuitbreaker support (specifically on this exchange market) and not a spike move down on ETHUSD (across other exchange markets).

Ethereum (ETH/USD) Weekly/Daily





Ethereum Fundamentals

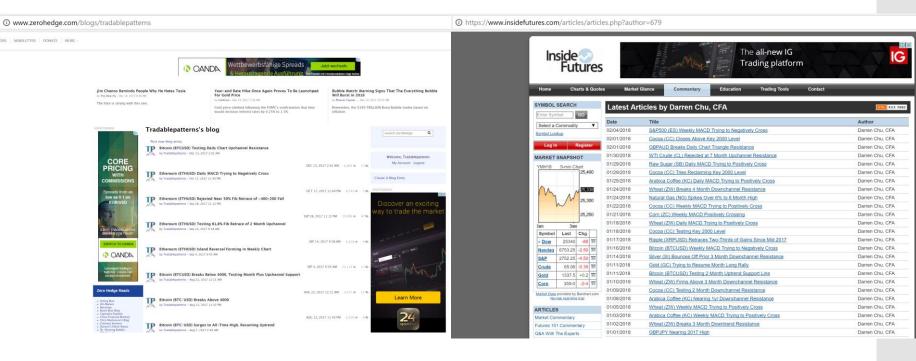
Enterum founder Vfalik Ruterin spoke this past week about Enterum's transaction costs remaining high, and of the blockhain network gening overly congretated. Networkless, it deget and Erick's expressing to launch physically delived. Enterum futures, with the CME appearing to be laying the ground work to follow suit, as it first tunes its Ethereum reference rate and index. ETHUSD buils are looking forward to scalability improvements in the form of Photof of Stake and Sharding scheduled for 2019/2020. Meannike Enterum developers have their work cut out for them as debet rages among developers and miners on mining incentives, while newer blockchain competitors built for greater scalability attract more developers and funding.

Industry Fundamentals

BoE Governor Mark Carney just suggested this past week that the world may need to move away from the current world reserve currency - the US Dollar. He's used Libra as an example of the type of digital currency collisterilized by a basket of flat currencies that culd lease the world's dependency on and impact from just on feat currency. In the pact month, Walmart has hopped on the statelecon like by applying for a gatent for its own, which will operate within its ecosystem (including that of patrency) as a world lease the world's appendence to part of the state structure and the state one in the state and the state one in the world wo Source: exmo.com

Other Distribution Partners

□Also seen on <u>Zerohedge</u> and <u>Inside Futures</u>





Source: zerohedge.com; insidefutures.com

Further questions?

Darren Chu, CFA

Whatsapp: +65 8118 8840 Email: <u>darrenchu@tradablepatterns.com</u> FB: <u>https://facebook.com/tradablepatterns</u> Stocktwits: <u>https://stocktwits.com/TradablePatterns</u> Twitter: <u>https://twitter.com/chu_darren</u> Linkedin: : <u>https://linkedin.com/company/tradablepatterns</u> Instagram: <u>https://instagram.com/tradablepatterns</u>



Website: <u>https://tradablepatterns.com</u>