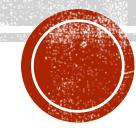
ABOUT THIS COURSE

BLOCKCHAIN @ SOFTUNI in Partnership with æternity

Nicola Evtimov

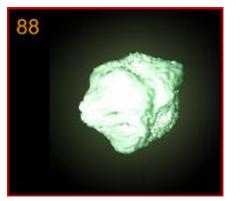


BIO

- Bs in Business Administration (Seattle, WA) 2007
- MSc in Finance and Investment Management (Scotland) 2009
 - Магистър по Физика и Оптометрия (СУ) 2017
 - Оптичен Център и Онлайн Оптика (2009-)
- Евро-проекти в алтернативен туризъм (2011 & 2014) Вилен Комплекс Никодиа
 - 2 нови Евро-проекта (2017-) в производство и спорт
 - Blockchain Investment (2016-)
 - Ethereum Mining (2016-2017)



RADIUM (RA)



- DISCOVERED IN 1989 / ISOLATED IN 1911 BY MARIE CURIE
- Radium is not necessary for living organisms; adverse health effects because of its radioactivity and chemical reactivity
- Derived from Uranium mines and highly radioactive heavy metal
- MASS BELIEF in 1920s:

Novelty properties like:

- SUPPOSED CURATIVE POWERS!
- SHINES IN THE DARK!
- MULTIPLE USECASES

"Through the medium of UNDARK, radium serves you SAFELY and SURELY"



To Manufacturers

The number of manufactured articles to which Undark will add increased usefulness is manifold. From a sales standpoint, it has many obvious advantages. We gladly answer inquiries from manufacturers and, when it seems advisable, will carry on experimental work for them. Undark may be applied either at your plant, or at our own.

The application of Undark is simple. It is furnished as a powder, which is mixed with an adhesive. The paste thus formed is painted on with a brush. It adheres firmly to any surface.

10 Manufacturers

The Committee of the Constant of the Constant

to electric push buttons, to the buckles of bed room slippers,

to house numbers, flashlights, compasses, gasoline gauges,

autometers and many other articles which you frequently

The next time you fumble for a lighting switch, bark your

shins on furniture, wonder vainly what time it is because of

the dark-remember Undark. It shines in the dark. Dealers

For interesting little folder telling of the production of radium and the uses of Undark address

RADIUM LUMINOUS MATERIAL CORPORATION

wish to see in the dark.

can supply you with Undarked articles.

NOVELTIES IN THE 1920S AND NOW...



iii Historical Data





zum Essen und Trinken (NACH Dr. SENFTNER D.R.P.)

Sind Sie gesund, so erhalten Sie dedurch ihr kostberes Gut, eind Sie leidend, so erhöhen Sie ihre Aussicht, wieder gesund zu werden!

Versuchen Sie auch die Ubrigen Burkbraun-Edelerzeugnisse: Kakao, Schokolade, Pralinen, Sie werden darin Ihre Marke finden, denn alles, was den Namen Gurthman trägt, ist einzigartig köstlich!

BURK & BRAUN KAKAO-U.SCHOKOLADENFABRIK C O T T B U S





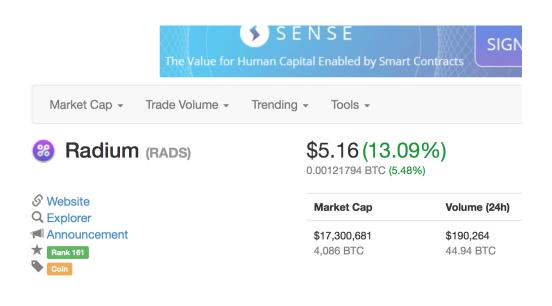


• Charts

Radium Charts

₩ Markets

Zoom 1d 7d 1m 3m 1y YTD ALL



UNDERSTANDING THROUGH KNOWLEDGE

The point:

- What we do not understand but trust and take for granted can kill us... financially and apparently physically.
- Do not underestimate the power of group persuasion
- Avoid non-educated decision making process
- Experiment after accumulating a solid foundation of technical and historical awareness
- ONLY ACHIEVABLE BY LEARNING, BEING CURIOUS AND OPENMINDED!

"When scientists discovered Radium they hardly dreamed they had unearthed a revolutionary "Beauty Secret." "Radior" Chin straps are guaranteed to contain Radioactive substance and Radium Bromide."

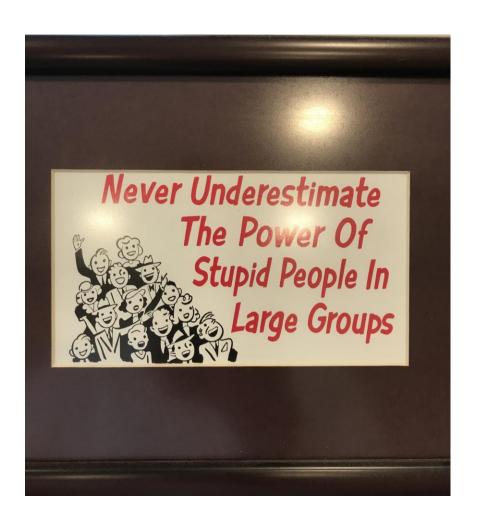


WHAY IS THIS?

```
#!/usr/bin/env python
Generate an ECDSA keypair and Bitcoin-compatible payment address.
Requires Brian Warner's excellent python-ecdsa library.
http://github.com/aristus/bitcoin-printer
from ecdsa.ecdsa import Public_key, int_to_string
from ecdsa.ellipticcurve import CurveFp. Point
from binascii import hexlify
import hashlib
ripehash = hashlib.new('ripemd160')
# ***WARNING*** This is possibly insecure! ***WARNING***
from random import SystemRandom
randrange = SystemRandom().randrange
## Bitcoin has an adorable encoding scheme that includes numbers and letters
## but excludes letters which look like numbers, eg "l" and "O"
__b58chars = '123456789ABCDEFGHJKLMNPQRSTUVWXYZabcdefghijkmnopqrstuvwxyz'
_{\rm b58base} = len(_{\rm b58chars})
def b58encode(v):
 long_value = 0L
  for (i, c) in enumerate(v[::-1]):
   long_value += (256**i) * ord(c)
  result = ''
  while long_value >= __b58base:
   div, mod = divmod(long_value, __b58base)
   result = __b58chars[mod] + result
    long_value = div
  result = __b58chars[long_value] + result
  nPad = 0
  for c in v:
   if c == '\0': nPad += 1
   else: break
  return (__b58chars[0]*nPad) + result
```

```
def generate_btc_address():
   # secp256k1, not included in stock ecdsa
   r = 0xfffffffffffffffffffffffffffffffbaaeDce6af48a03BBFD25E8CD0364141L
   _Gx = 0x79BE667EF9DCBBAC55A06295CE870B07029BFCDB2DCE28D959F2815B16F81798L
   _Gy = 0x483ada7726a3c4655da4fbfc0e1108a8fd17b448a68554199c47d08ffb10d4b8L
   curve_256 = CurveFp(_p, _a, _b)
   generator = Point(curve_256, _Gx, _Gy, _r)
   secret = randrange(1, generator.order())
   pubkey = Public_key(generator, generator * secret)
   step1 = '\x04' + int_to_string(pubkey.point.x()) + \
      int_to_string(pubkey.point.y())
   step2 = hashlib.sha256(step1).digest()
   ripehash.update(step2)
   step4 = ' \ x00' + ripehash.digest()
   step5 = hashlib.sha256(step4).digest()
   step6 = hashlib.sha256(step5).digest()
   chksum = step6[:4]
   addr = step4 + chksum
   addr_58 = b58encode(addr)
  return (
      hex(secret)[2:-1].
      hexlify(step1),
      addr_58
```

THE POWER OF KNOWLEDGE



Purpose of the Introduction course:

- Understand Crypto Currencies and Tokens
- Grasp the concept of Blockchain
- Awareness of Cryptology
- Invest, Mine, Use, Trade, Hold CCs
- Valuate ICOs
- Create a community of educated blockchain enthusiasts
- Make an educated guess rather than a gamble with your time and money



PREMATURE INVESTMENTS?

Questions I have been asked recently:

- I have invested 10,000EUR in Bitcoin and Ether. There are located on Kraken, how can I receive them in Bulgaria?
- Can I transfer Crypto without having internet access?
- Can I put my coins in my bank account?
- How high is bitcoin's price going to go and when do I sell?
- Let's start an ICO, we can collect millions.
- I heard that you can get rich by owning BitcoinTs, where do I invest?



THE TEAM

Presenters:

- Nikola Stojanov @ æternity
- Vladi Dramaliev @ æternity
- Zvezdin Besarabov @ Obecto

Technical Advisors:

George Spasov @LimeLabs

Ivo Gergiev @AdEx

