I'm Not a Robot

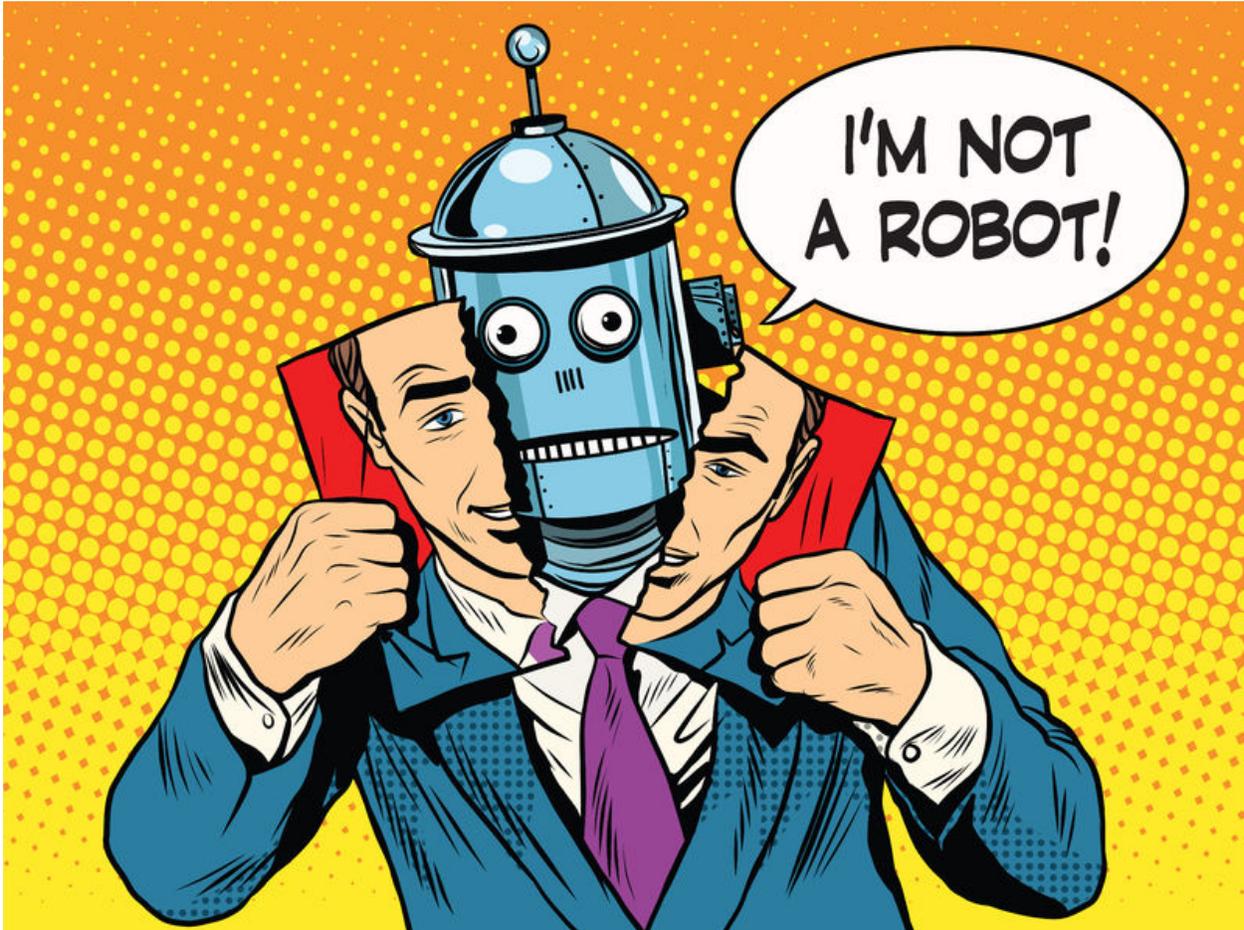**Copyright: 123RF**

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Note to Reader I:

I have been writing about rethinking civil registration systems since 2006

- ▪ "The Challenges with Identity Verification"

Over the last several months, I have written 15 papers. Here's a listing of them, by subject area, with links to each one:

- Example story of an identity's lifecycle
  - o The Identity Lifecycle of Jane Doe
- One-page summary
  - o New Age Identity– Privacy in the Age of Human Clones & Robotics
- New laws required to do this
  - o "Why We Need to Rethink Our Vital Stats Laws"
  - o "Why Your Digital Consent Matters – Including Sex"
  - o "Why We Need New Biometric Laws Protecting Our Privacy"
- What the new age civil registration/vital stats service does and doesn't do
  - o "New Age Vital Statistics/Civil Registration Services: What They Do and Don't Do"
- Leveraging Blockchain and Sovrin
  - o "A Modern Identity Solution: New Age Vital Stats/Civil Registries, Self-Sovereign Identity, Blockchain, Kantara User Managed Access & EMP Resistant Data Centres"
- Protecting the civil registration/vital stats infrastructure
  - o "When Our Legal Identity System Goes "Poof!"
- Separating vital stats services/databases from other identity authentication services
  - o "Architecture Summary"
- Creating Estonia Version 2.0
  - o "Creating Estonia Version 2.0 – Adjusting for Changes From 1999 to 2018"
- Rethinking identity assurance using new age vital stats
  - o "New Age Identity Assurance – Turning it on its Head"
- Rethinking Civil Registrations in Remote Locations
  - o "Where Shit Happens - Rethinking Civil Registrations in Remote Locations"
- New Age Civil Registration/Vital Stats Design, Implementation & Maintenance Vision
  - o "Guy's New Age Civil Registration/Vital Stats Design, Implementation & Maintenance Vision"
- Robotics, Clones and Identity
  - o I'm Not a Robot
  - o Legal Person: Humans, Clones, Virtual and Physical AI Robotics – New Privacy Principles

All papers are available off my website at http://www.hvl.net/papers.htm.

Note to Reader II:

This paper deals with the issues of identifying a person in the future from a robot.

I'm Not a Robot!

What are the chances that one day, in the not too distant future, robots exist that are impossible on the surface to differentiate from a human? They're actually quite high. First, let's do some current benchmark settings…

Watch this video from this past summer with Sophia the robot and this one at Brain Bar of this year. You'll see a robot that can converse, express facial expressions and learn. Yes, I know that she still looks and talks like a robot BUT this is rapidly changing. To illustrate this, watch this video of real life like robots.

With computing power doubling every year, it's not hard to imagine robots becoming more and more life-like until they reach the point that they are very hard to differentiate from humans. Of concern is when a humanoid robot can actually impersonate a human. Which leads to the question of identity…

Identity

Our existing legal identity system resides upon legal, paper-based documents attesting that a person was born on a certain day, in a specific location, to named parents with the document stating the person's name, i.e. a birth certificate. When the person wants to change their name, their gender, get married and dies, more paper-based documents are created.

This no longer works. Identity fraud is rampant. Birth certificates are easily forged. We are using old school technology, designed in the 1800's, to legally differentiate people. It's time to rethink the identity paradigm and create a new framework.

A New Identity Framework - New Age Civil Registration System

I've extensively written about creating a new age civil registration system that biometrically ties the citizen's identity to their registration. By leveraging Blockchain and Sovrin, it also allows for the citizen to be mostly in control of their identity.

This framework can then be used to not only differentiate people but also human clones. Refer to the various papers referenced in "Who AM I? for an understanding of this. BUT, WHAT ABOUT ROBOTS?

Robots – Virtual and Physical

Robots are not all physical or, as illustrated above, humanoid. If you read the paper "Project PAI" (Personal AI), you'll discover an emerging platform for creating virtual versions of ourselves. It's an open source Blockchain protocol and will likely explode our existing views of

who we are and how we interact with others digitally. To illustrate where this technology currently is watch this.

Then there are already existing multiple versions of humanoid robots. So, now let's stand back and understand the world we are rapidly creating…

Who am I?

Three technologies are rapidly emerging which threaten our old school ways of identifying ourselves:

- Digitization and reproduction of existing paper-based documents, e.g. birth certificates, et al
- AI resulting in production of virtual and physical robots
- Genetic engineering resulting in production of human clones

This is not considering a possible future where skin and biometrics are genetically created and then mapped onto robots.

We need a new framework. One that can legally differentiate:

- Real people from each other
- Real people from human clones
- Human clones from each other
- Real people from robots either physical or virtual
- Robots from each other
- Virtual robots from each other

Summary

This is not a tweak of existing old school technology. It requires us to rethink the underlying legal framework of who we are. Otherwise, how will we identify a person claiming "I'm not a robot?"

I suggest that readers peruse the paper "Legal Person: Humans, Clones, Virtual and Physical AI Robotics – New Privacy Principles". In it I discuss privacy principles that first need to be agreed upon before deciding on technology and drafting new laws.

About the Author

Guy Huntington is a veteran identity architect, program and project manager who's lead as well as rescued many large identity projects with many of them involving identity federation. His past clients include Boeing, Capital One, Kaiser Permanente, WestJet, Government of Alberta's Digital Citizen Identity and Authentication Program and Alberta Blue Cross. As one of his past clients said "He is a great find, because he is able to do high quality strategic work, but is also well-versed in project management and technical details, so he can traverse easily from wide to deep. With Guy, you get skills that would typically be encompassed in a small team of people."