Perceived Uncertainties and Political Supremacy

Rodolfo A. Fiorini
« Le seul véritable voyage ce ne serait pas d'aller vers de nouveaux paysages, mais d'avoir d'autres yeux… »

Valentin Louis Georges Eugène Marcel Proust (1871-1922) from La Prisonnière (1923).
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Paper Outline

1. Introduction (02)
   - The Great Turning
   - The Anthropocene Age

2. Human Perceived Uncertainties (03)
   - Statistics Can Fool You
   - Narrative Representation

3. Globalism, Nationalism and Technology (03)
   - Trump’s Campaign
   - Brexit Campaign

4. A Possible Deeper Explanation (03)
   - Uncertainty-as-a-Problem
   - Uncertainty-as-a-Resource

5. The Japanese Society 5.0 Program (07)
   - The Fourth Industrial Revolution
   - The Mindustrial Revolution

6. Toward a Super/Hyper Smart Society (03)
   - People Serviced by Proper Technology
   - Enabling Key Technologies

7. From A Super/Hyper Society to the Wellbeing Society (06)
   - Personal Dynamic Balance
   - The Challenge of Defining Collective Wellbeing

8. From Personal to Collective Wellbeing (03)
   - Active Political Agency
   - Transdisciplinary Research Needed

9. Political Supremacy Awareness (04)
   - Our Intentions Shape Our Future
   - The New Language for Our Children
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Presentation Outline

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### Perceived Uncertainties and Political Supremacy

#### Statistics can fool you, unfortunately

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>Simple payoffs</th>
<th>Complex payoffs</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOMAIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distribution 1 (&quot;thin tailed&quot;)</td>
<td>Extremely robust to Black Swans</td>
<td>Quite robust to Black Swans</td>
</tr>
<tr>
<td>Distribution 2 (&quot;heavy&quot; and/or unknown tails, no or unknown characteristic scale)</td>
<td>Quite robust to Black Swans</td>
<td>LIMITS of Statistics – extreme fragility to Black Swans</td>
</tr>
</tbody>
</table>

(N. Taleb, 2014)
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Leonard Savage’s Small World/Large World

Predictable difference: Missing a layer of randomness = Fragility

One directional arrow: The error between the Small & Large worlds can be captured analytically
So What is Physical?
What is Non-Physical?

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(R.A.Fiorini, 2016)
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3. Globalism, Nationalism and Technology (03)

- Trump’s Campaign
- Brexit Campaign
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The Data That Turned the World Upside Down
The company behind Trump's online campaign is the same company that had worked for Leave.EU in the very early stages of its "Brexit" campaign.

Disruptive Technology Based on Big Data.

OCEAN Model for Subject Profiling.
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The Big Five personality traits, also known as the five factor model (FFM)

Developed by psychologist Michal Kosinski to analyze people in minute detail based on their Facebook activity.
5. The Japanese 5.0 Program (07)
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The Four Industrial Revolutions

<table>
<thead>
<tr>
<th>Revolution</th>
<th>Year</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 1784</td>
<td>Steam, water, mechanical production equipment</td>
</tr>
<tr>
<td></td>
<td>2 1870</td>
<td>Division of labour, electricity, mass production</td>
</tr>
<tr>
<td></td>
<td>3 1969</td>
<td>Electronics, IT, automated production</td>
</tr>
<tr>
<td></td>
<td>4 ? 2025</td>
<td>Cyber-physical systems Mindustrial Revolution</td>
</tr>
</tbody>
</table>

(Adapted from WEF 2016)
The Fourth Industrial Revolutions

The First Industrial Revolution used water and steam power to mechanize production.

The Second used electric power to create mass production.

The Third used electronics and information technology to automate production.

Now a Fourth Industrial Revolution is building on the Third, the electronic revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres, impacting on individual wellbeing.
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Current Worldwide Initiatives

National Strategy for The 4th Industrial Revolution

- 2011: Industry 4.0 (2011.4)
- 2013: AMP 2.0 (2013.9)
- 2015: Made in China 2025 (2015.5)
- 2016-2017: New industrial structure vision 2016 (2016.4)
- 2017: Development of Intelligence Infrastructure for the 4th Industrial Revolution (2017.1)
## Current Worldwide Initiatives

<table>
<thead>
<tr>
<th>Society 5.0 (Japan)</th>
<th>Advanced Manufacturing Partnership (U.S.A.)</th>
<th>Industrie 4.0 (Germany)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Background</strong></td>
<td>High-level fusion of the cyber world and the real world</td>
<td><strong>Manufacturing</strong></td>
</tr>
<tr>
<td></td>
<td><strong>All areas of society</strong> (including manufacturing)</td>
<td>(Overall efficiency improvements and productivity improvements from design &amp; production to retail and maintenance through integration of telecommunications technology and production technology)</td>
</tr>
<tr>
<td></td>
<td>(The solution to issues facing Japan and the creation of new value through collaboration among systems, .)</td>
<td><strong>Manufacturing</strong></td>
</tr>
<tr>
<td><strong>Fields</strong></td>
<td><strong>Manufacturing</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3D printing, power electronics, light-weight metal materials, digital design and manufacturing, advanced composite material manufacturing)</td>
<td><strong>Job creation and strengthening of international competitiveness</strong></td>
</tr>
<tr>
<td><strong>Objectives</strong></td>
<td><strong>Job creation and strengthening of international competitiveness</strong></td>
<td><strong>Strengthening of manufacturing competitiveness</strong></td>
</tr>
<tr>
<td>Hyper-smart society</td>
<td>(Return of manufacturing industry to U.S.A. after which jobs are created and international competitiveness is increased due to new technology)(9,5),(993,958)</td>
<td>(For small quantity/large variation production, the global spread of German production technologies for detecting abnormalities at an early stage)</td>
</tr>
</tbody>
</table>
The incoming Fourth Industrial Revolution must be a "Mindustrial Revolution" first of all, to guarantee a smooth transition from the previous one, according to Hungarian UN ambassador and past CTBTO (Comprehensive Nuclear-Test-Ban Treaty Organization) executive secretary Tibor Tóth (Tóth, 2016) at World Economic Forum (WEF) 2016, 20-23 January 2016, in Davos-Klosters, Switzerland.

Mindustrial Revolution means mind and industrial universalization in a "glocal" perspective to reliable wellbeing.
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The five Thematic Priorities recommended by the European SC6 Advisory Group

- Overcoming inequalities by developing Europe's human and social capacities
- Facing the turbulence of regional and global changes
- Understanding Europe. The changing role of European culture and society
- Building an open, engaging and innovative public sector
- Promoting a collaborative, creative and sustainable economy
7. From A Super/Hyper Society to the Wellbeing Society (06)

- Personal Dynamic Balance
- The Challenge of Defining Collective Wellbeing
A super/hyper smart society is characterized as follows:
a society where the various needs of society are finely
differentiated and met by providing the necessary
products and services in the required amounts to the
people who need them when they need them, and in
which all the people can receive high-quality services
and live a comfortable, vigorous life that makes
allowances for their various differences such as age, sex,
region, or language.
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Dynamic Balance Centered on Personal Wellbeing Values (Never Ending Learning)

(Dodge, Daly, Huyton, 2012)
NEVER ENDING LEARNING

Learning by Channeling (Spirit)

Learning by Connecting (Mind)

Learning by Doing (Body)
Because we all share this small planet Earth, we have to learn to live in harmony and peace with each other and with Nature. That is not just a dream, but a necessity.

Learning according to Tenzin Gyatso, the 14th Dalai Lama (1935-)

The Challenge of Defining Collective Wellbeing
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The Challenge of Defining Collective Wellbeing

(Inglehart–Welzel cultural map of the world, 2016)
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The Challenge of Defining Collective Wellbeing

Let's get over the limit!
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9. Political Supremacy Awareness 04)
- Our Intentions Shape Our Future
- The New Language for Our Children
What is Physical?

What is Non-Physical?

Political Supremacy Awareness

Our Intentions Shape Our Future

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Despair

War

Hope

Peace
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Political Supremacy Awareness
The Message from Water

Love & Gratitude
.perceived Uncertainties and Political Supremacy

Political Supremacy Awareness

Our Intentions Shape Our Future

Luc Montagnier, Nobel Prize 2008
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Political Supremacy Awareness
The New Language for Our Children

Yasuyuki Nemoto, President of Office Masaru Emoto, LLC, Japan. EMOTO PEACE PROJECT
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Neuralizer Work In Progress