

A petition

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A petition

Akihiro Kuroiwa

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July 20, 2015

Abstract

A petition to Japanese government and Japanese companies.

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Preface

A petition to Japanese government and Japanese companies. Constructive opinions are highly welcome. Please tweet to @akuroiwa. If you want to send a message, please visit [my facebook page](#). [Docbook source is here](#).

Chapter 1. Petition to Japan

Petition to Japanese government

The Japanese people have voting rights, eligibility for election and the right to petition. I don't submit the petition directly to a Diet member, but release it on the internet. If you are the diet member, please let me know.

Economic policy

Political parties and denominations should improve their ability for drafting economic policy. The second Abe cabinet was launched by obtaining overwhelming support from the people because they studied economic policy. Opposition party members need to invite experts including economists and company managers as policy advisers.

Corporate tax rate reduction

The corporate tax rate reduction need to be determined by the ratios of permanent and non-permanent employees. It will be a good incentive to increase the number of permanent employees.

The tax incentives for venture capital, micro credit and crowdfunding are also needed. The provision of [Industrial Competitiveness Enhancement Act](#) is insufficient.

Innovation

Statistics Bureau of Japan (SBJ) needs to convert vague innovation into a numeric value of an economic indicator ^[1] which should be utilized in policy.

Power to Gas

There are some shipyards which are able to build large ships such as hydrogen tankers in Japan. There are also some ship screw propeller makers, which can be diverted to a water turbine as part of wave energy converter (WEC). That's why I would recommend the powership ^[2] for the power generation on the ocean where it is suitable for Power to Gas.

If [hydrogen storage in carbon nanotube](#) is put to practical use, the powership will be formed into a modified container ship so that it can effectively use port of discharge. Furthermore, strings of power generators like longline fishing will be installed in the powership.

Car manufacturers should sell fuel cell bus ^[3] and natural gas one in advance of sedan. We need clean public transportation. It will take a long time before fuel cell sedan becomes widespread.

Government bonds redemption

Inflation targeting will help to redeem government bonds. It is a golden opportunity to reduce the national debt.

Lottery should be actively utilized so that Local governments which struggle to pay their debts, can get prior lottery proceeds.

Revision of broadcast act

The broadcasting such as TV or radio is being replaced the airwaves with [streaming media](#). It's no longer valuable strategy for the oligopoly in each prefecture. Conversely, local broadcasting stations have an opportunity to advance into overseas markets. It's highly recommended that they translate their programs into English or other languages for the international competitiveness of the content business. So broadcast act should be revised.

Insider trading regulations

The officials should regulate rating firms, the dealers of which should be kept under more severe surveillance in particular and they should be charged with insider trading.

Pension fund management

Pension fund management need to be more flexible with Futures contract and buying volatility ETFs or inverse ETFs. Stock price will go down by market principle, though sometimes it doesn't work. There is no never-ending bull markets. Although [GPIF](#) has ample funds, when they spend all ammunition, the destructive bazooka is just a pipe. it is sinister symptoms that the stock chart shows threshold curve. Artificial asset inflation may cause a catastrophe.

Preparation for China crisis

Many economists predict the collapse of Chinese economy. China officials may repeat the same mistake of Japan's bubble economy. I don't know how to avoid *déjà vu*, but We must take measures against the collapse. If it so happens, we should help them as good neighbors.

Traditional comparative advantage premises fixed factors of production such as price and wage. Conversely, new comparative advantage assumes dynamics of factors including exchange rate, price fluctuation and wage growth. China's export-led growth has already reached a dead-end. The monocultural economy which is composed of the manufacturing industry, is so fragile that policy maker should maintain economic diversity. The asset inflation such as stock and real estate has ended and the asset price may turn down.

OpenPGP personal authentication

OpenPGP supports not only Microsoft Windows but also major Operating Systems. If officials introduce it, cross-platform e-Government services such as e-Tax system can be used by every users who register the public key on the internet.

Biometrics identification is better than national identification number. We can go to public offices empty-handed. Furthermore, officials can identify and certificate the public key of the applicant in PGP key servers.

The abolition of government monopoly

Government monopoly remains as liquor tax. Double taxation which consists of liquor tax and consumption tax (Value added tax in Japan), causes the hardships of life in our country. If the Diet abolishes liquor tax, consumers will buy them, and will increase tax revenue.

Foreign Policy

Takeshima and Senkaku Islands

We should solve the small islands issue that cause big diplomatic difficulties with neighbors. Once Japanese government became a modern nation earlier than neighbors did during the Meiji period. When Japanese government declared possession of these islands, China and Korea were not modern nations. We should solve

problems through discussion. If we can't agree about them, we should settle in the International Court of Justice as Mr. Toru Hashimoto suggested.

Traffic safety

It is abnormal that thousands of people have been killed in traffic accidents every year. Traffic officials should improve the system.

Collision avoidance system

The legal obligation of collision avoidance system on the occasion of the selling of new cars, would prevent a great number of traffic accidents.

Separate traffic signals for pedestrians

As bereaved families requested, National Police Agency officials should replace normal signals with separate traffic signals immediately.

Deregulation for personal transporter

There are so many narrow roads that the [segway](#) and all other mainly one person electrical vehicles need to be [classified as bicycles](#) or walkers in some cases if it meets the condition of speed limit.

Health policy

The key points are medical tourism and countermeasures against low birthrate and longevity.

Mutual recognition of drug approvals

[PMDA](#) should immediately recognize drug approvals by [FDA](#), [EMA](#) and so on.

Abolishment of restriction of the number of doctors

The officials should not limit the number of doctors as many as dentists whose services are available all over the countries. Then, doctors will be happy to leave for underpopulated areas.

Private management of hospitals

Hospitals should be managed not only by medical corporations but also by private enterprises. Market penetration is important like it used to be.

Immunotherapy

Since the highly advanced medical treatment is too expensive for patients to receive, it should be covered by insurance especially for immunotherapy which is effective against unremovable cancer by surgery or radiotherapy.

Legal reform

Law and order

The law should be amended for sting operations targeting billing fraud. Police will be able to sell roster

suppliers the fake data of informants such as telephone directory and address book.

Precedent is not law. They should distinguish between judicial power and legislative power. Diet members should revise the Penal Code and then should establish a standard on the death penalty as the supplementary provision or the proviso.

Civil Code amendment

The priority of parent-child relationship by gene should be respected except for adopted children. The surrogate mother should be specified in the provision of the Civil Code.

Japan is called advanced nation, but it's been a long time since we were called an economic animal. our country is not the leading economic power any longer. If we hope to keep being in a strong position in the international community, we should build a society with special consideration to minorities.

Ainu language should be one of official languages for the promotion of Ainu culture who are indigenous people especially in Hokkaido.

The ordinance of Shibuya ward which recognize same-sex couples is an admirable precedent. The Civil Code should be amended to recognize same-sex marriage.

Local autonomy law amendment

The local autonomy law amendment is necessary to set up special wards in ordinance-designated cities of every prefecture as well as the Tokyo 23 special wards as Mr. Toru Hashimoto proposed Osaka Metropolis plan.

Education

Students began with learning English at yobimon before entering a university during the Meiji period, because many professors came from abroad. University presidents should invite foreign professors to grow excellent human resources.

The earlier students start learning English, the better they can be bilingual speakers. If possible, early childhood education is better. They should start learning it from the first year of compulsory education at the latest.

Cultural inheritance was interrupted by a movement for promoting colloquial literature and kaisho (block style of writing Chinese characters). Students should get a compulsory education with writing in sosho (fully cursive style of writing) and reading Japanese or Chinese classics more than ever before.

Online textbooks and educational materials such as EPUB which can read on smartphone and tablet PC, are better than heavy printed materials that students carry every day. In addition to publishers, [Video game developers](#) will be able to get good value for public purpose.

Although it is important to become a person of culture, it should be emphasized the importance of lectures on practical knowledge and expert knowledge for cultivating human resources at compulsory education school, high school and at university. we need not only generalists but specialists in our society. In particular, it is more necessary to set up department of computer science, and for other departments to actively take advantage of computer based training that provides server management, web development and programming. Students pay the tuition for the right not to learn worthless knowledge until graduation.

^[1][Innovation Output Indicator - Innovation Union - European Commission](#)

^[2]The usual experimental floating structure is assumed that it has off-shore wind power system, so there is not enough space to install hydrogen tanks. Moreover, an anchorless ship is better than anchored floating structure because a number of typhoons have come to Japan every year.

- [NEDO \(Japanese only\)](#)
- [Fukushima Offshore Wind Consortium](#)
- [MODEC](#)

^[3][New Toyota, Hino Fuel Cell Bus to Service Route in Toyota City](#)

Petition to Japanese companies

It is necessary to make the vision clear that Japanese companies should develop business plans for new industry creation. Furthermore, they should carry out the plans as if they tried "encouragement of new industry" again during the Meiji period.

Primary sector of industry

Added value is important factor for successful development as professor emeritus Naraomi Imamura have pointed out.

Ministry of Agriculture, Forestry and Fisheries (MAFF) announced ["The Global Food Value Chain Strategy"](#). We must have a bird's-eye view of food product including research, planting, productization, distribution and sale.

Cereals other than rice

Nowadays Japanese who prefer rice-based diet, tend to decrease. Traditionally, Multiple cropping of rice and wheat was found in every rice field throughout Japan. Now is when the system should be regenerated.

New wheat cultivars for Sanuki udon were developed at Kagawa Prefectural Agricultural Experiment Station. Its name is "Sanuki no Yume 2000" and "Sanuki no Yume 2009" which benefit flour milling companies, noodle manufacturing companies, and udon noodle shops.

Complete aquaculture

Japanese like seafood. Washoku (Japanese cuisine) is spreading all over the world. However, there are concerns of resource depletion among researchers.

Completely farm-raising bluefin tuna has been commercialized by [the Fisheries Laboratory of Kinki University](#)

Full-cycle aquaculture of Japanese eel was developed by [the Fisheries Research Agency \(FRA\)](#)

Greening agriculture in arid lands

There are major multinational grain companies which provide large-scale farmers with farm equipment and purchase their crops. Japanese companies should learn from these companies. The last frontier where the human can develop is desert except for the universe. Japanese companies have the technologies for greening the desert, and can change into farmland or grove. The more employees, the less conflict in the Middle East.

Japanese companies have various technologies of desalination plant, irrigation equipment and plant nursery. The tie-up with these companies can expand overseas where clean technology has potential for development, including [Power to Gas](#).

Usual plantation can cause negative effects on pest and disease control. It is not good to grow only bananas or date palms, so they should use companion planting.

Paddy fields surrounded by aze (paddy ridges) or furrows, can be useful for flushing salt damage to drainage system. Japanese companies can make ridge plastering machine. Other salt removal technologies should also be introduced for Soil salinity control.

Consumer electronics industry

Japanese monocultural economy is composed of the manufacturing industry especially consumer electronics, whether good or bad.

Merger of consumer electronics companies

Promotion of merger of electronics companies is necessary to enhance global competitiveness.

SmartTV

Every services such as news paper, radio, television and telephone have been integrated into the internet for which smartTV is going to be one of the gate.

The excellent Operating System (OS) is needed for successful development of smartTV. I would recommend you select Ubuntu which is suitable for sharing files or other LAN services connected between desktop PC, smartphone, tablet PC and smartTV. It has also an excellent package manager that performs dependency resolution.

Of course, OS should have Application Programming Interface (API) synchronizing cloud service like Google Android.

I also propose that video game console should be integrated in smartTV. In other words, game library and API will have to be installed on smartTV OS.

Companies such as SHARP need to take advantage of glasses-free 3D display. I suggest that these companies provide the television stations with cameras and other broadcasting equipment free of charge to become a de facto standard.

Video game developers need to be focused on educational games and need to tie up with manufacturer of teaching material. We live in one of the countries with lowest birth rate, but the internet has no borders.

Mobile device

The display of smart watch is too small to use virtual keyboard. So I would recommend that projection keyboard or interactive projector should be installed in it. Then you will be able to operate it on your back of the hand as keyboard and touch screen such as interactive whiteboard.

Furthermore, smart watch will be able to provide a bone conduction telephone through a hand gesture.

Japanese companies should join international strategic alliance for NFC, iBeacon and biometrics at world market where shops, stores, restaurants, ATMs, [\[4\]](#) vending machines, station kiosks, ticket gates, and public services are available.

Computers toward next generation

Japanese companies need to productize the computers which have high potentiality.

Ink-jet film computer [\[5\]](#) is suitable for small and thin devices.

Promising quantum computer is far superior to the usual super computer which consists of large-scale computer cluster that needs to improve FLOPS [\[6\]](#) per unit.

Open strategy

It's useful for Japanese companies adopting strategy of open source, open standard and open architecture. Please refer to Mr. Eric Steven Raymond's famous essays.^[7]

We should remember the failures of NEC PC-98 series and i-mode of NTT docomo. Let's share not small pies but a larger one.

For example, so many companies such as Amazon, joined OpenStack development which enables to serve high quality cloud services. There is a way to clearly distinguish between alliance and competition.

Manufacturing industry

The era of mass production was already over.

Bespoke

[Custom-fit](#) concept with the assistance of 3D scanner, CAD/CAM/CAE ^[8] and rapid manufacturing is suitable for clothing, eyeglasses and shoe manufacturing. It will be easy to adjust finely paper patterns of cutting plotter. No one want to put on a pair of baggy pants that are too long except people who wear sagging pants with stylish.

Conveyor belt sushi

If kaiten-zushi with touch screen ordering system is introduced in assembly work, it will be convenient in the same way as cellular manufacturing. Assembly line carries products. Conversely, kaiten-zushi manufacturing carries parts of a product.

Product development

Point of sale (POS) and supply chain management (SCM) is suitable for a supply-side perspective. It is also important for a demand-side perspective; in other words, product development. Big data analysis or so-called analytics which is popular right now, needs data base management, algorithms and statistical analysis. Since everyone does not necessarily have statistical skills, SCM should be connected to data mining software for graphical display, that's easy to understand for everyone.

Employment

Although Japan's population pyramid have been in unbalanced shape since world war II, Japanese companies stick to employ new graduates. There is a convergence of second-generation baby boomers in the labor force by age group. They should reconsider the age requirements for working and the mandatory retirement age.

Labors who didn't have an experience of regular employee, can't write a successful curriculum vitae. They have been discriminated when they have an interview even though they have the ability to do the job. Mass media spread the word NEET as discriminatory term and insult the jobless.

Job interviewers need to have keen eye for talent. Interviewers who don't know how to code, tend to be convinced that job seekers who graduated from the university in the faculty of humanities or social sciences, are not good programmers. They should cast away all prejudices. American companies choose CIO ^[9] and CTO ^[10] as a member of the board of directors who build shareholders confidence. Japanese directors also should have the ability of web development, programming and system administration.

Transportation

Interoperability

Railway companies need to extend Saitama Rapid Railway Line or Tsukuba Express to Ibaraki airport. It's necessary to improve the interoperability between Haneda, Narita and Ibaraki.

SCMaglev

SCMaglev (Superconducting Maglev) is suitable for a long distance travel. So Japanese companies should propose to establish an international railway company rather than international competitive bidding.

Health care

Artificial bone

Perhaps bioabsorbable bone material can be applied to dental therapy especially for caries.

^[4][FUJITSU FRONTTECH launched ATM with NFC in Europe.](#)

^[5][NAIST](#)

^[6]It stands for floating-point operations per second.

^[7][Eric S. Raymond's Home Page](#)

I read Japanese essays translated by [Mr. Hiroo Yamagata](#).

- The Cathedral and the Bazaar
- Homesteading the Noosphere
- The Magic Cauldron

^[8]Manufacturing process of computer numerical control (CNC)

1. Computer-Aided Design (CAD)
2. Computer-Aided Manufacturing (CAM)
3. Computer Aided Engineering (CAE)

^[9]An abbreviation for Chief Information Officer.

^[10]An abbreviation for Chief Technology Officer.

Chapter 2. Petition to the United States of America

My granduncle Chuhachi Kuroiwa emigrated to Hawaii before the second world war. His descendants live in the USA with which I have much closer relations.

Petition to U.S. companies

Publishing

Companies of software hosting facilities need to advance into e-publishing. This document was written in DocBook with Emacs nxml mode. I also wrote the makefile to convert to html and EPUB. Thus code hosting site which has a WYSIWYG editor or an online office suite such as [Google Drive](#), will be useful for amateur writers to publish essays, novels, cartoons and textbooks as well as software development. SVG, Markdown, reStructuredText, AsciiDoc and DocBook are suitable for this purpose. Of course, they should tie up with publishers like [O'Reilly Media](#).

Artificial satellite

U.S. aerospace manufacturers should develop small space shuttle and divert it to reuseable communications satellite the cost of which is cheaper. Furthermore, there is no prospect of terraforming Mars but Venus where humanity should aim to live.

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