

Talk at University of Texas at Dallas (2-7-2013)



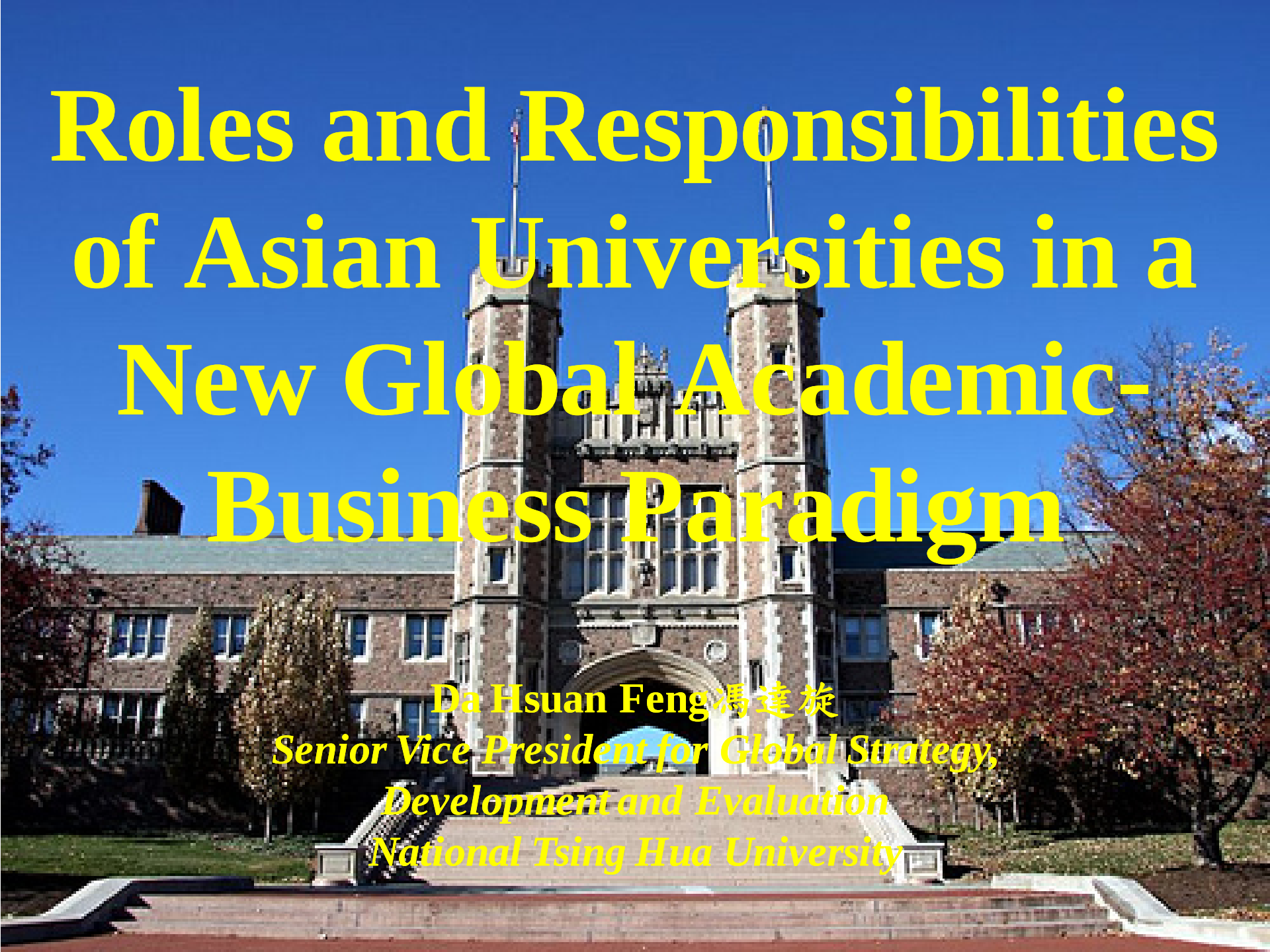
Talk at Purdue University (2-18-2013)



Talk at Washington University St. Louis (2-19-2013)



Roles and Responsibilities of Asian Universities in a New Global Academic- Business Paradigm

The background of the slide is a photograph of the main building of National Tsing Hua University. The building is a large, multi-story structure made of brick and stone, featuring a prominent central tower with two spires. The entrance is a large archway. The building is surrounded by green lawns and trees with autumn-colored foliage. The sky is clear and blue.

Da Hsuan Feng 馮達旋
*Senior Vice President for Global Strategy,
Development and Evaluation
National Tsing Hua University*

Roles and Responsibilities of Asian Universities in a New Global Academic- Business Paradigm

Da Hsuan Feng 馮達旋
***Senior Vice President for Global Strategy,
Development and Evaluation
National Tsing Hua University***

TM

Set the stage

A photograph of a theater stage set. The stage floor is covered with a black and white checkered pattern. On the left and right sides of the stage, there are white statues of figures in classical attire, each standing on a black pedestal. In the background, there are white architectural elements resembling columns or door frames. Two crew members are visible on the right side of the stage, one sitting on a set of stairs and another standing nearby. The foreground shows the dark silhouettes of theater seats. The text "Set the stage" is overlaid in large, bold, yellow letters.

Then..



ASIA TODAY



Bag of tricks



Summary

P'sst: After the tour, don't forget to check out the rest of this site. Test your new knowledge on our quiz page and view our additional Fed resources for more information. You can also order other *In Plain English* materials and even print out some bonus features.

Are you ready to puzzle out our new and improved information?

Set the stage

A photograph of a theater stage set. The stage floor is covered with a black and white checkered pattern. On the left and right sides of the stage, there are white statues of figures in classical attire, each standing on a black pedestal. In the background, there are white architectural elements resembling columns or door frames. Two crew members are visible on the right side of the stage, one sitting on a set of stairs and another standing nearby. The foreground shows the dark silhouettes of theater seats. The text "Set the stage" is overlaid in large, bold, yellow letters.

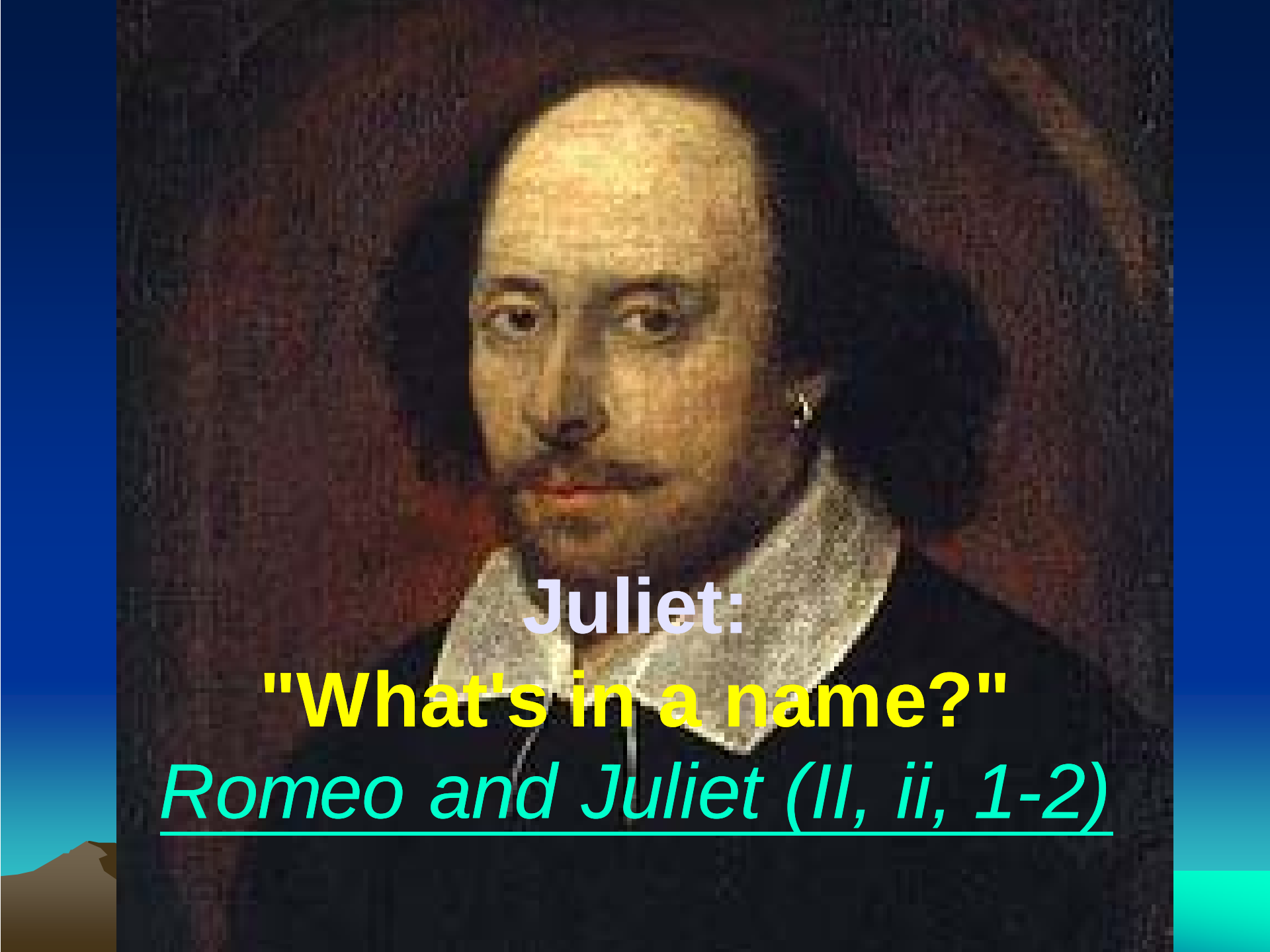
Since arriving in the Republic of
China 5 years ago, I learned a lot
about Asia in the 21st century is in
many ways

a consequence of its
history

in the 20th century..

One truly
interesting
example..





Juliet:

"What's in a name?"

Romeo and Juliet (II, ii, 1-2)

Typically, today, there are three terminologies regarding “China”!

- **People’s Republic of China (Mainland 大陆)** 中華人民共和國 (simplified 简体 characters)
 - **Republic of China (Taiwan 台灣)** 中華民國 (complex 繁體 or proper 正體 characters)
 - **Cross Straits** 兩岸 or 两岸
- 



**This is the
map of the
Republic
of China**

An aerial photograph of a coastal region. The water is a deep blue, and the land is covered in green vegetation. A red arrow points from the text 'Gulingtou' to a small, irregularly shaped island in the water. The island has a small peninsula on its left side. The surrounding land is rugged and rocky, with some areas of greenery.

古寧頭
Gulingtou



古寧頭戰役

The battle of
Gulingtou

October 25-27, 1949

This battle, which lasted only a few days, compared with some of the major civil war battles between the KMT and CCP, was not a particularly large scale encounter. Neither was the total number of casualties.



**It was, however, a
decisive defeat of the
CCP by the KMT
army.**



**It was one of the
decisive reasons as to
why we have the
Republic of China
remained as a political
entity to this day!**

A stylized, dark brown mountain range is visible at the bottom of the slide, set against a background that transitions from dark blue at the top to a lighter blue and then to a bright cyan at the bottom.

本工程尚未完工及验收
请注意安全

壽與國同

馬英九
中華民國一百年

壽與國同

民國二十八年一月二十八日，是淞滬停戰協定簽字一週年紀念。這一天，金門各界，在金門大學舉行慶祝大會，並由金門大學校長張道藩主持，會中並由金門大學校長張道藩致詞，略謂：淞滬停戰協定簽字一週年紀念，是中國抗戰史上的一個重要日子。金門大學，自創辦以來，即以培養人才，服務國家為宗旨。今日，我們在這裏舉行慶祝大會，不僅是為了紀念這個日子，更是為了激發我們全體師生，為國家的獨立與民族的解放，而努力奮鬥的精神。張校長致詞後，大會並由金門大學學生代表，向全體師生，宣讀了淞滬停戰協定簽字一週年紀念的意義。大會最後，並由金門大學全體師生，共同演唱了國歌，並由金門大學全體師生，共同宣誓，要為國家的獨立與民族的解放，而努力奮鬥。大會最後，並由金門大學全體師生，共同宣誓，要為國家的獨立與民族的解放，而努力奮鬥。

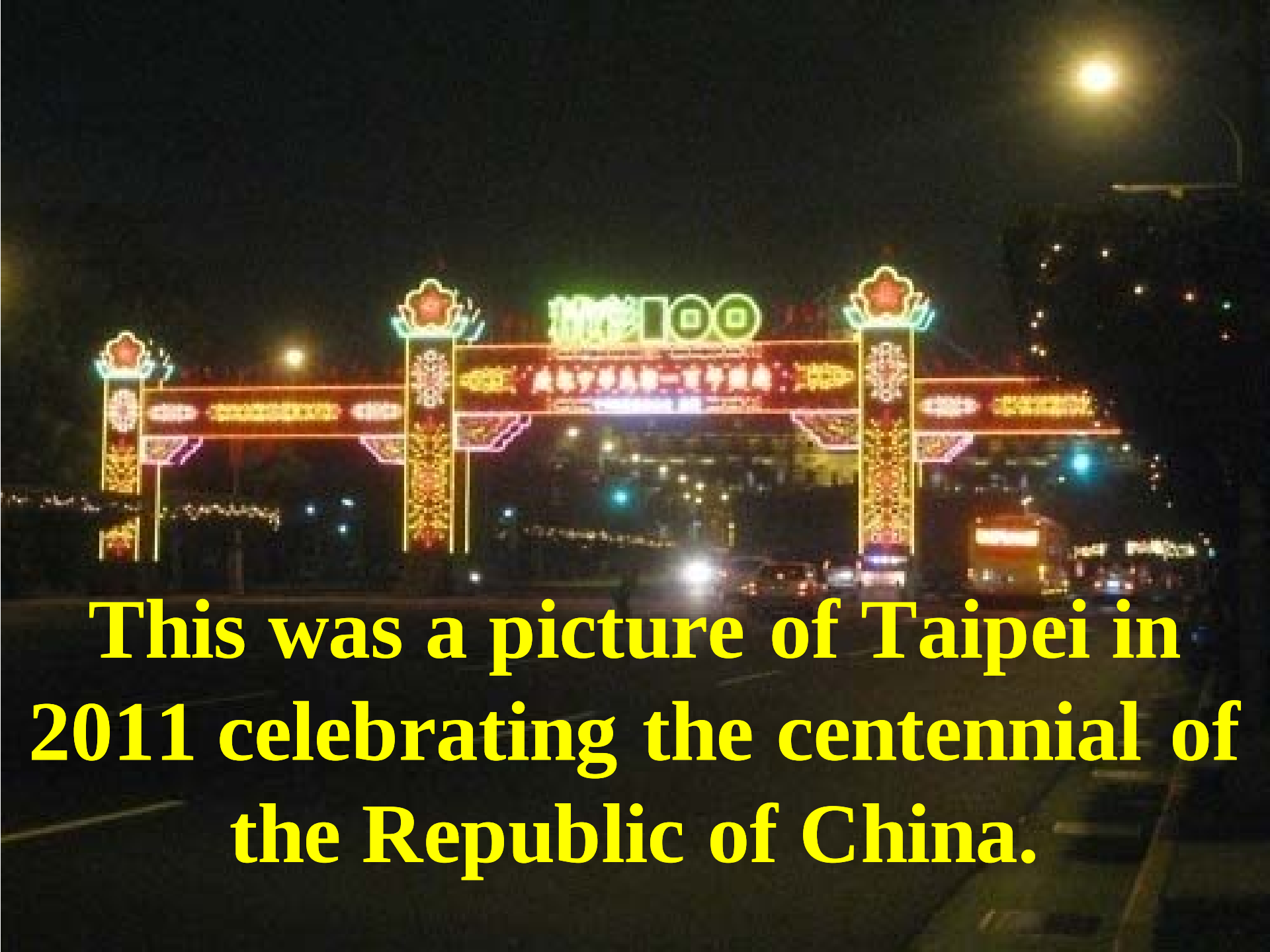
國史館館刊 送方上 報
中華民國一百零七年七月七日

**This is a picture of me
with my good friend,
Lee Ching Cheng at the
gate of National Quemoy
University. He is the
current president of the
university.**

A stylized silhouette of a mountain range in shades of brown and grey, positioned at the bottom of the image against a blue gradient background.

**The Gulatingou battle
happened just a few weeks
before President Lee was
born. His mother saw the
brutality right in front of
their house in Gulatingou.**





This was a picture of Taipei in 2011 celebrating the centennial of the Republic of China.

1949 onwards

CHINA



Matsu
since 1911

Quemoy

since 1945

TAIWAN



SOUTH
CHINA
SEA

Since 1949, Mainland China is
NOT the Republic of China.

Before 1945, Taiwan island was
NOT the Republic of China
because it was a Japanese colony.



Even during the eight years of the war of resistance with the Japanese, Quemoy and Matsu just like many areas of China were conquered. But, they were not colonized like the island of Taiwan.



If the concept of a nation is defined by its sovereignty, and the flag is merely a representation of this concept, then the only places that can rightfully “celebrate” the centennial of the Republic of China are Quemoy and Matsu.



Quemoy and Matsu, especially
Quemoy, which played a
fundamental role of the existence
of Taiwan island today as a
political entity, are NOT
geographically grouped in
Taiwan island *per se*, but in the
Republic of China!

**Without malice to political
correctness, but to be
absolutely fair to all my close
friends, such as President Lee,
in Quemoy whose families
suffered deeply for the
survival of Taiwan island
today,**

A stylized silhouette of a mountain range in shades of brown and grey, positioned at the bottom of the slide against a blue gradient background.

**I shall respect them and
only use the terminology
in this talk as**

**Republic of China
and not Taiwan.**



A man in a dark blue jacket stands to the right of a large, light-colored stone sign. The sign is set in a landscaped area with mulch and grass. In the background, a modern building with large glass windows is visible. The man is smiling and looking towards the camera.

NAVEEN JINDAL
SCHOOL OF MANAGEMENT

**Last week, I gave a
talk at UT Dallas**



**As a former UTD
administrator, it was great to
be back to a now world
renowned Naveen Jindal
School of Management!**

A person wearing grey trousers and purple sneakers is locking an orange and black bicycle to a black metal pole. The bicycle has a black frame with orange accents, black handlebars, and black tires. The person is standing on a sidewalk with yellow and white painted lines. The background is a blurred street scene.

But there are two unexpected twists to the Naveen Jindal School of Management story!



**These are all great B
and M schools named
after a**

Westerner!





Naveen Jindal SOM
may be the first, if not the first, of
a great U.S. business school
named after an
Asian!

This is

unimaginable

in the 20th century!





O. P. Jindal



Naveen Jindal

O. P. Jindal International University







What goes around, comes around. The first Taiwan Education Center established by NTHU is at O. P. Jindal International University on 9/1/2011!



**OP Jindal students
celebrating 2012 August Moon
festival**

**Since India and Taiwan
ceased having diplomatic
relations since 1949, and
had no cultural and
economic interactions from
1949 until 2005,**



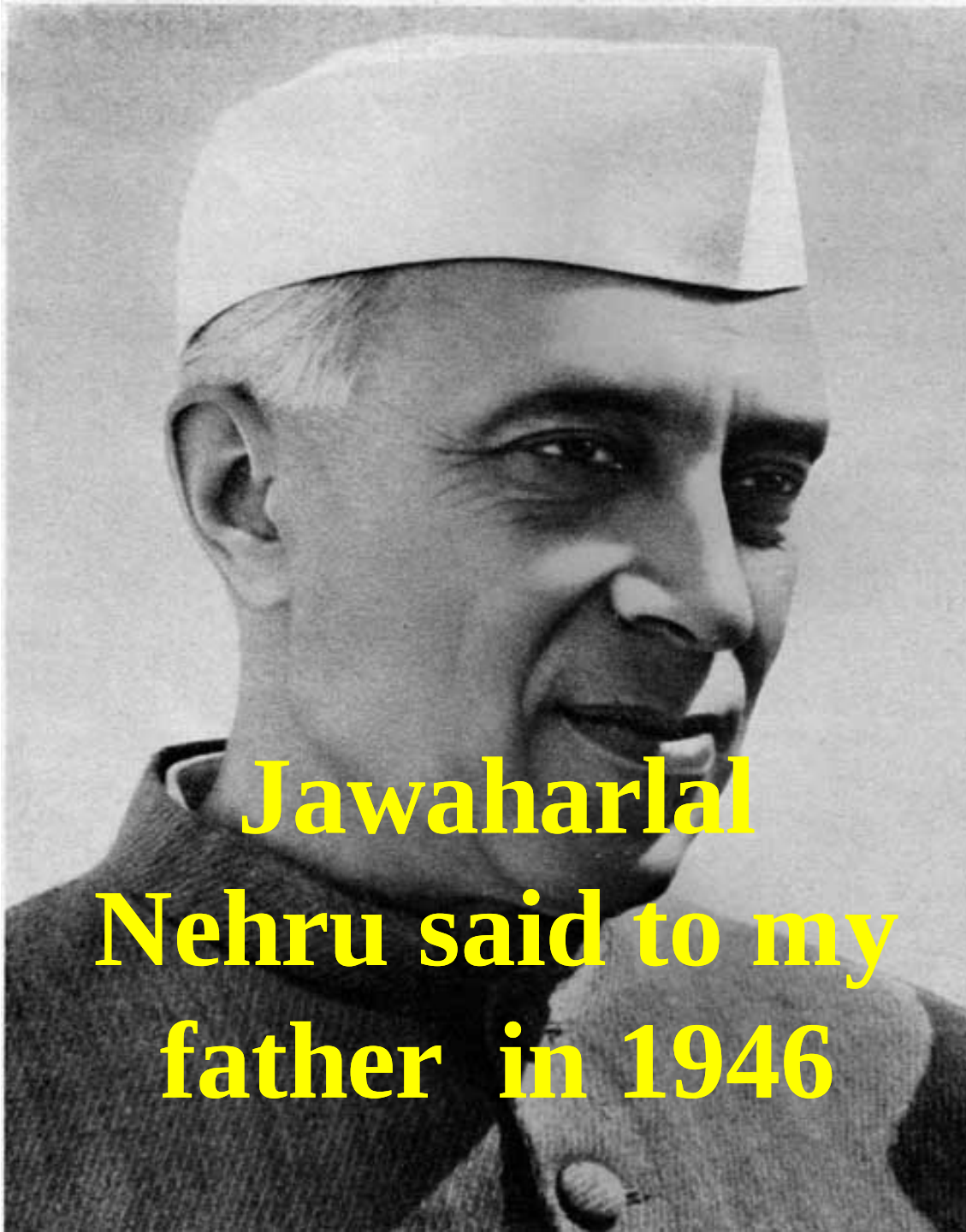
..the setting up of
TEC is

unimaginable

in the 20th

century!

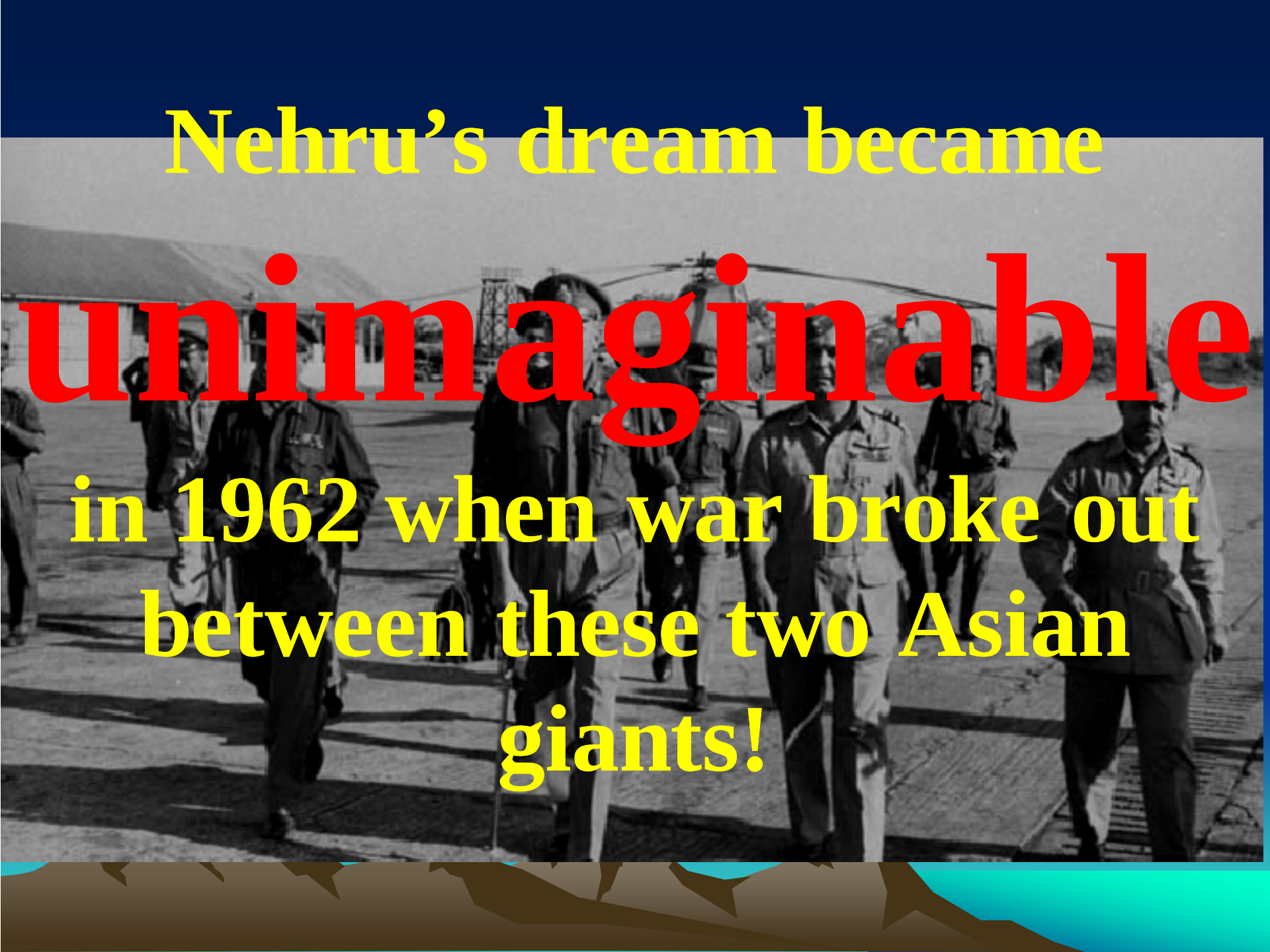




**Jawaharlal
Nehru said to my
father in 1946**

*"If China
and India
hold
together, the
future of
Asia is
assured."*

Nehru's dream became
unimaginable
in 1962 when war broke out
between these two Asian
giants!





**Fast forward
to today..**

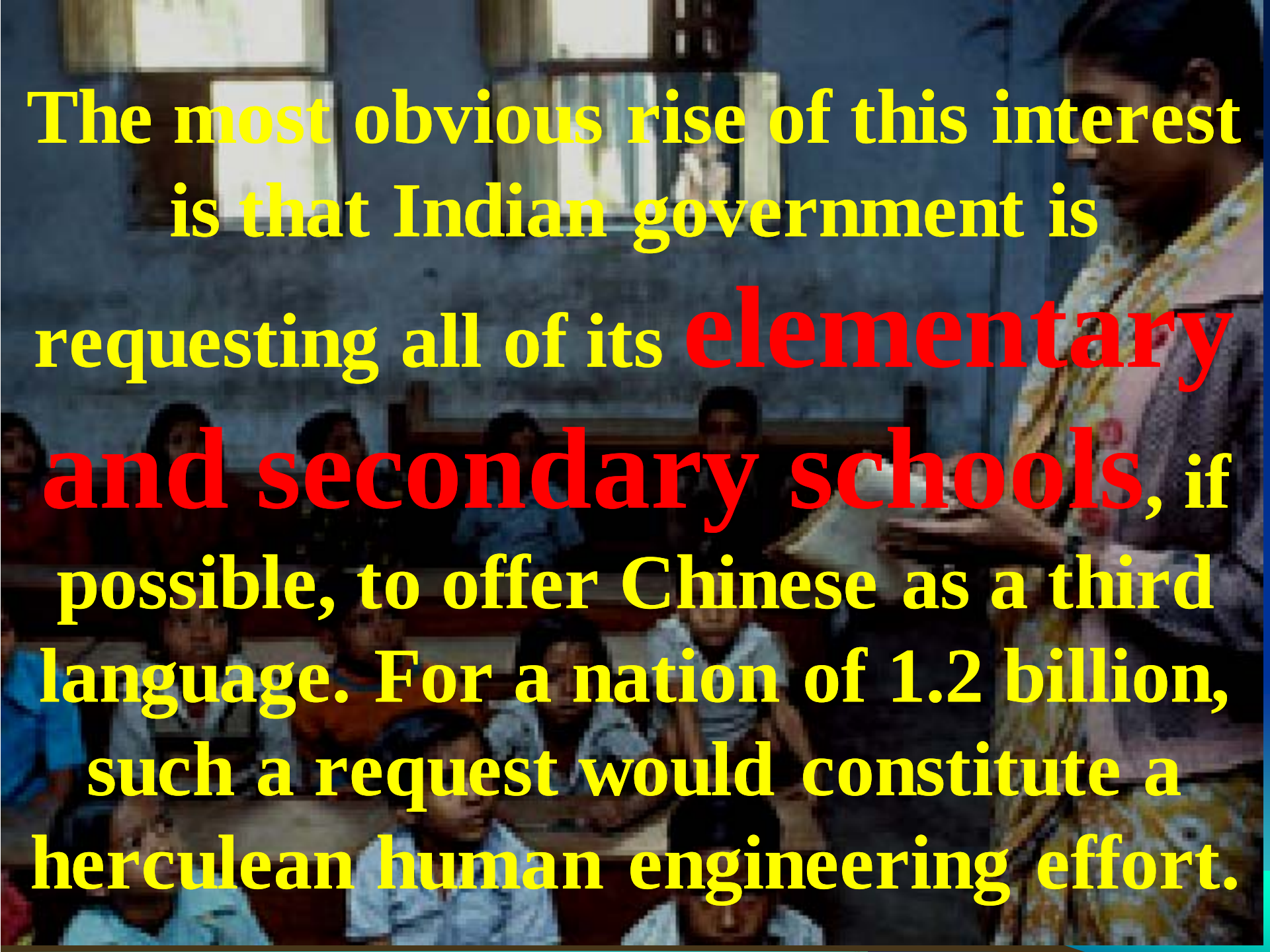


As you all know, in the past decade, partially because of the economic rise of China, there is in India a noticeable surge of interest in Chinese ways and means.



During my recent visits to India, I noticed that such interest is by no means confined to only Chinese languages, although that may have been the initial incentive, but to the cultures, the thinking processes and deep rooted social habits.



A woman in a patterned sari stands on the right side of the frame, holding a book or paper. In the background, a group of children are seated in rows, looking towards the camera. The setting appears to be a classroom or a school assembly.

The most obvious rise of this interest is that Indian government is requesting all of its **elementary and secondary schools**, if possible, to offer Chinese as a third language. For a nation of 1.2 billion, such a request would constitute a herculean human engineering effort.

1.2billion



1.4billion



**Taiwan (ROC), itself
deeply rooted in Chinese
culture, “squeezed” in
between two massive and
powerful 21st century
nations, could play a very
flexible role.**

A stylized silhouette of a mountain range in shades of brown and grey, positioned at the bottom of the slide against a blue gradient background.

Undoubtedly, the rich and robust Chinese culture is preserved and expanded best in Taiwan. India, on the other, has now a red-hot need to learn the ways and means of the Chinese. With this, India must pay attention to 23 million people in the Taiwan.

**It is therefore truly remarkable
that Taiwan, whose tiny
population of 23 million, who has
inherited the thousands of years
of rich Chinese culture, could be a
hoard at the disposal of the vast
Indian population. .**



**Establishment of a Taiwan
Education Center in India
is also**

unimaginable

in the 20th century!



But it is
imaginable
in the 21st century!



Then..

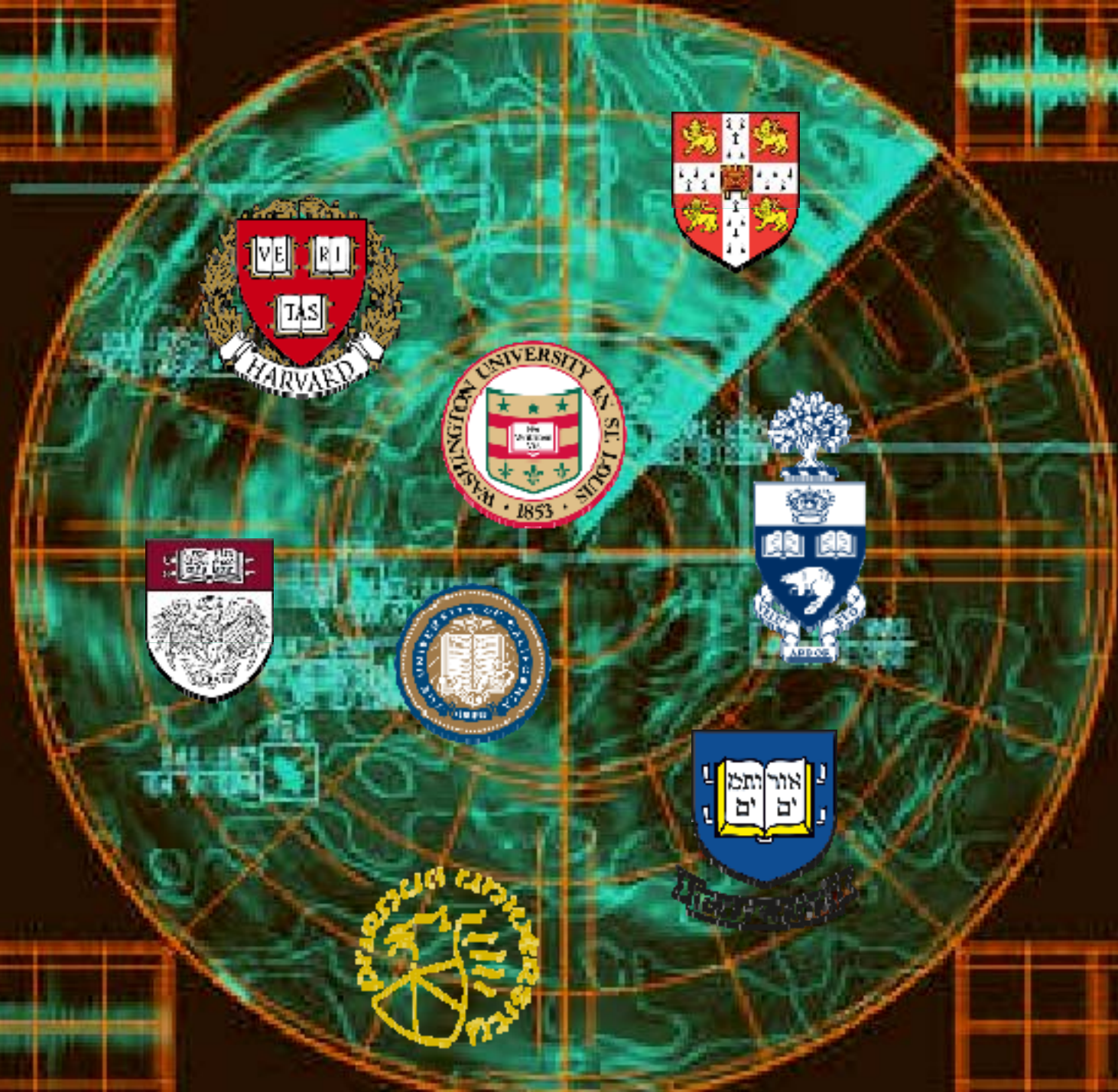


ASIA TODAY



**30 – 40 years ago,
higher education
radar screen was like**





Today..







東亞研究型大學協會
東アジア研究型大学協会
동아시아연구중심대학협의회
The Association of East Asian Research Universities

Today



東北大学
TOHOKU UNIVERSITY

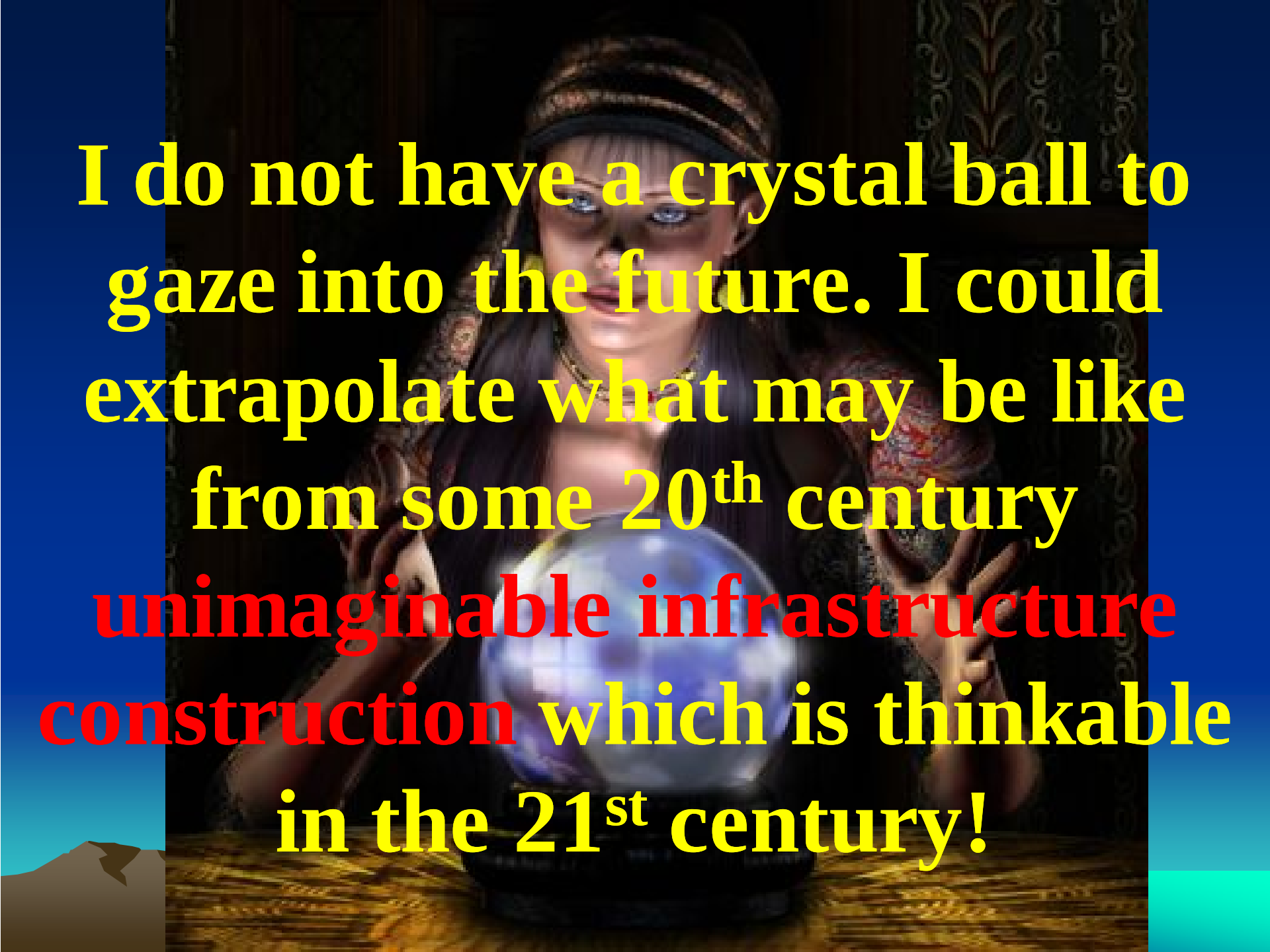


東京大学
THE UNIVERSITY OF TOKYO





With that as background, how should Asian fast rising research universities prepare their students when Asia and the world in 10 to 20 years economically, politically even culturally may be very different then from now ?



**I do not have a crystal ball to
gaze into the future. I could
extrapolate what may be like
from some 20th century
unimaginable infrastructure
construction which is thinkable
in the 21st century!**

**East Asia is making
monumental multi-
national and multi-
regional infrastructure
constructions!**



**Political stability in 21st
century leads to some
unimaginable 20th
century Asian massive
infrastructure
construction.**

A stylized silhouette of a mountain range is visible at the bottom of the slide, rendered in dark brown and black tones against the blue background.



First
infrastructure
construction

20th century





21st century





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**While these amazing
transportation technologies
imposed profound impact on
national cultural, economic and
political transformation, because
they are intra-national, they have
not had impact for Asia in
general.**



A CHANGE MAY BE JUST AROUND THE CORNER

New to be built (high speed?)
from China to Europe



This is economically and
politically **unimaginable** in
the 20th century!

**In 2020, HSR
from Beijing,
through Laos,
Thailand and
Malaysia, and
will end in
Singapore!**





Second infrastructure construction

ASEAN





**ASEAN is
undergoing
tremendous
transformation!**



**ASEAN and
China
10+1
Jan 1, 2010**

10 + 3





June 15, 2011

YUDHOYONO,
(through
translator):”..... in the
next five to 10 years, we
have plans to prioritize
infrastructure
development.....”









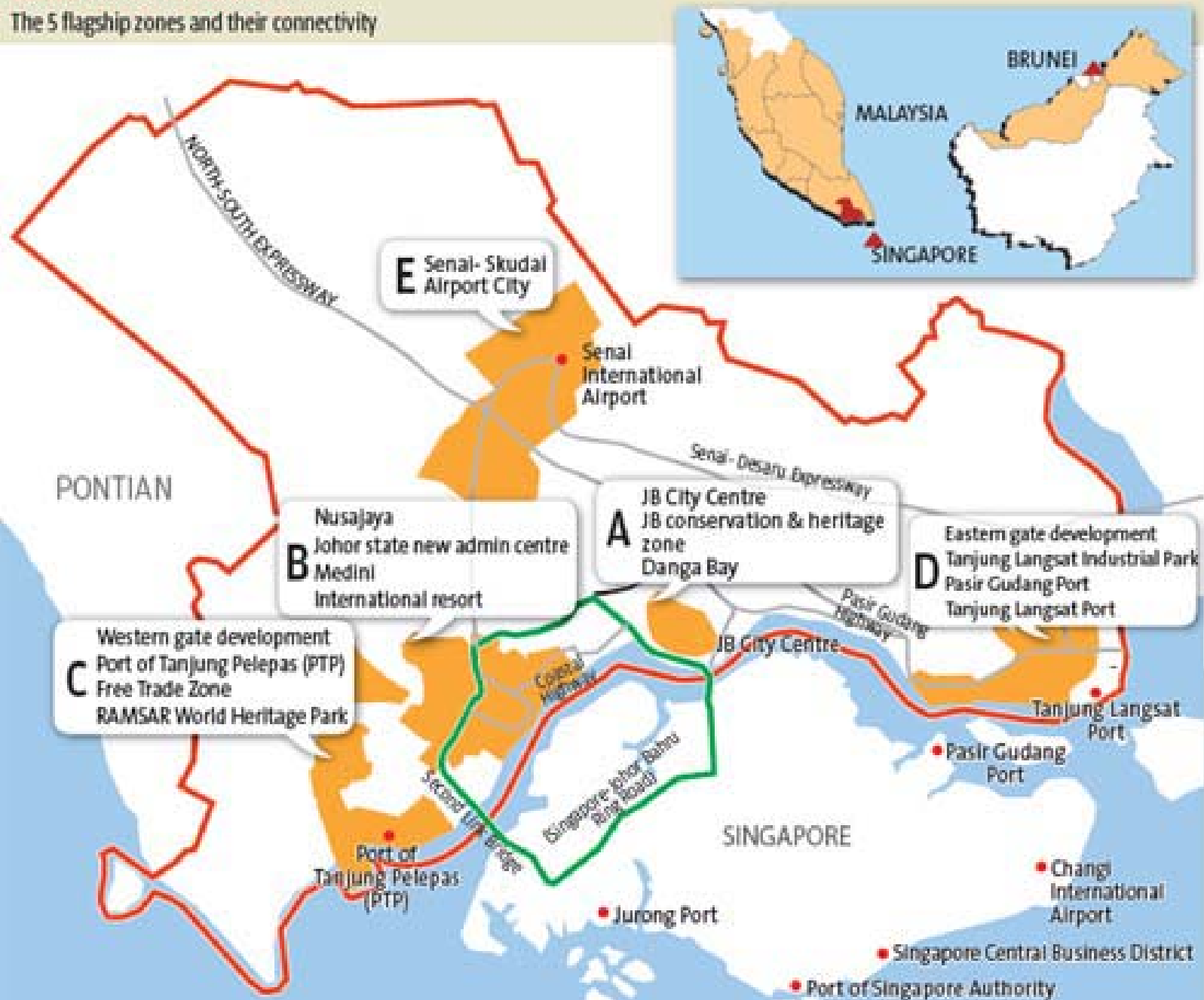
Third infrastructure construction

A photograph of two men, Prime Minister Lee Hsien Loong of Singapore and Prime Minister Najib Razak of Malaysia, standing at a press conference. They are both smiling and looking towards the camera. Behind them are the national flags of Singapore and Malaysia. The text is overlaid in the center of the image.

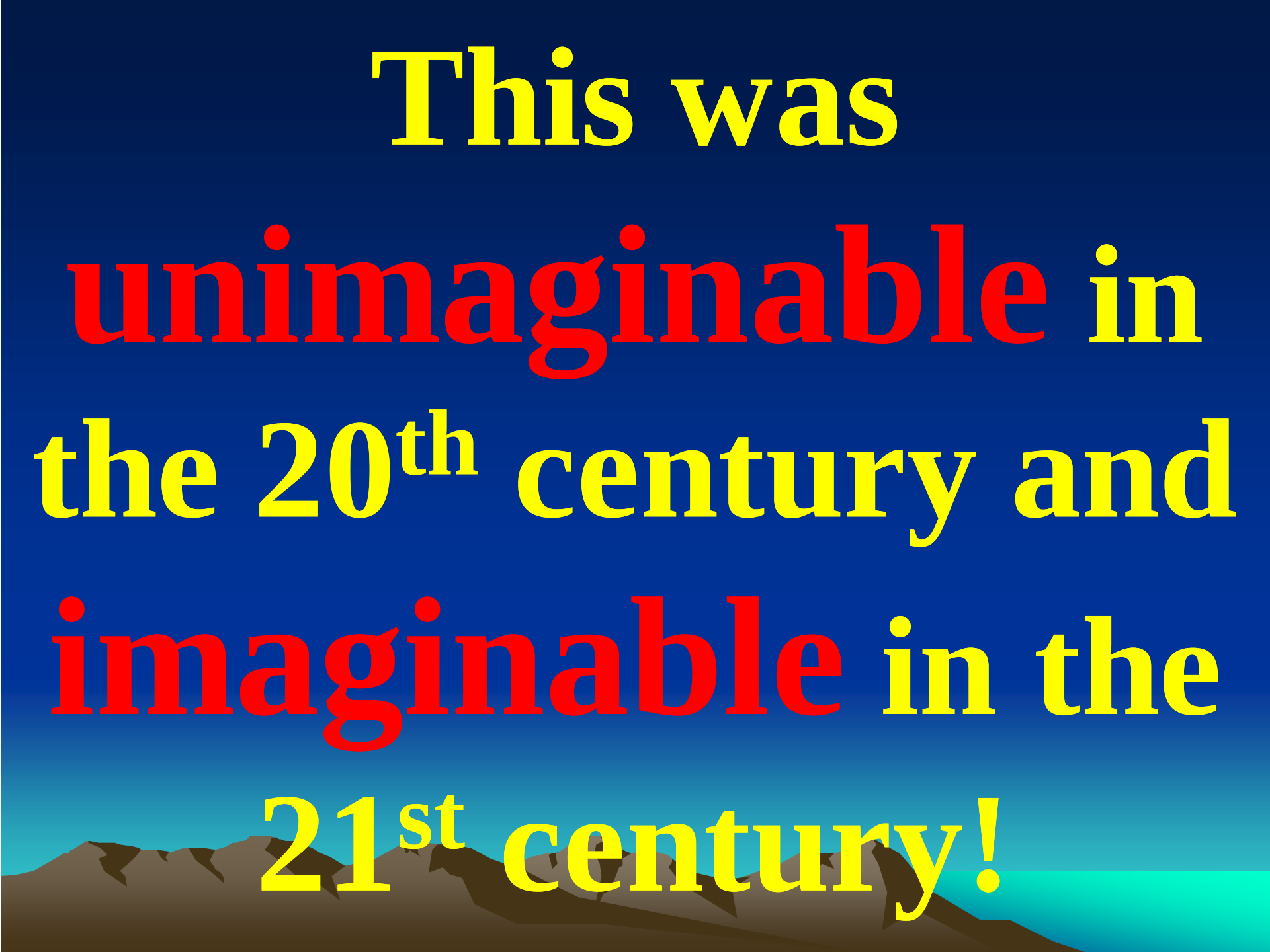
**Prime Ministers Lee of
Singapore and Najib of
Malaysia to discuss
Iskandar collaboration**

ISKANDAR MALAYSIA

The 5 flagship zones and their connectivity



This was
unimaginable in
the 20th century and
imaginable in the
21st century!





**Combining the above massive
infrastructures with political
stability, I am imagining that
in 10-15 years, one can
actually take a fast train from
Beijing to Jakarta!**

**After completion of these
monumental infrastructures
construction, it is conceivable
that there will be
accompanying economic,
cultural and even political
transformation!**





That means just when the current students in Asian universities are ready to embark on their careers, Asia Pacific will be starkly different (for the better, I hope) from what it is today.

Bag of tricks



I like to stress **five**
fundamental characters Asian
workforce will need to have as
their “**bag of tricks**” in the
21st century!

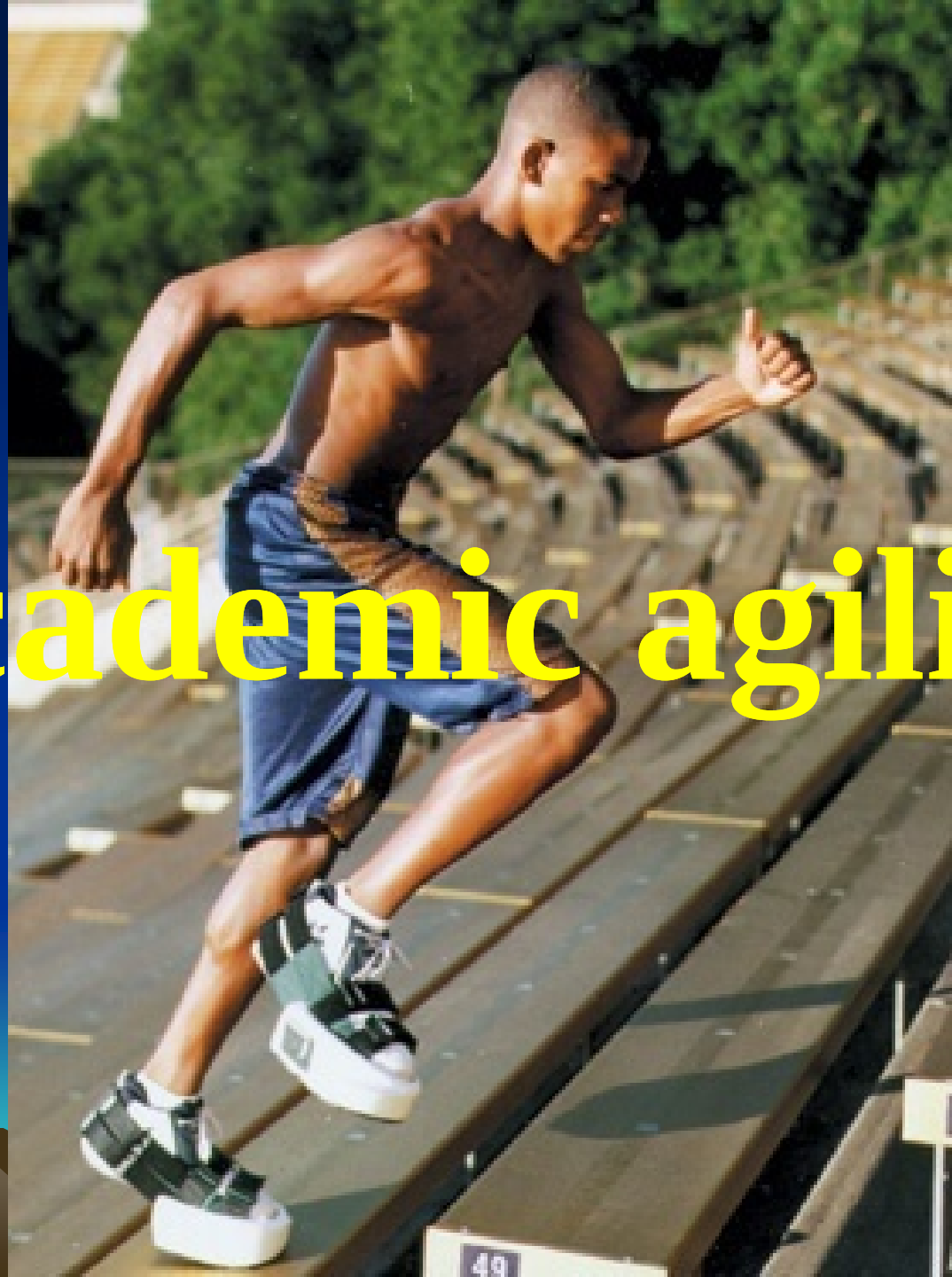




I find it “**self-revealing**”
that these issues would
never occur to me had I
not spent my last five years
in Asia

1

Academic agility



2



A photograph showing a long line of German Shepherds standing in a row on a paved surface, facing a small black and white cat. The dogs are all looking towards the cat with alert expressions. In the background, there is a building with large windows and some greenery.

Intellectual courage

3





**Ability to think out
of the box**

4



A photograph of a large, empty lecture hall. The room features tiered seating with rows of blue upholstered chairs. In the foreground, there is a wooden podium with a grey top surface. A small computer monitor is placed on the podium, displaying a blue screen with a grid pattern. The walls are made of light-colored wood panels, and the ceiling has exposed black structural beams and recessed lighting. The overall atmosphere is professional and academic.

Corporate and Academia New Paradigm

5



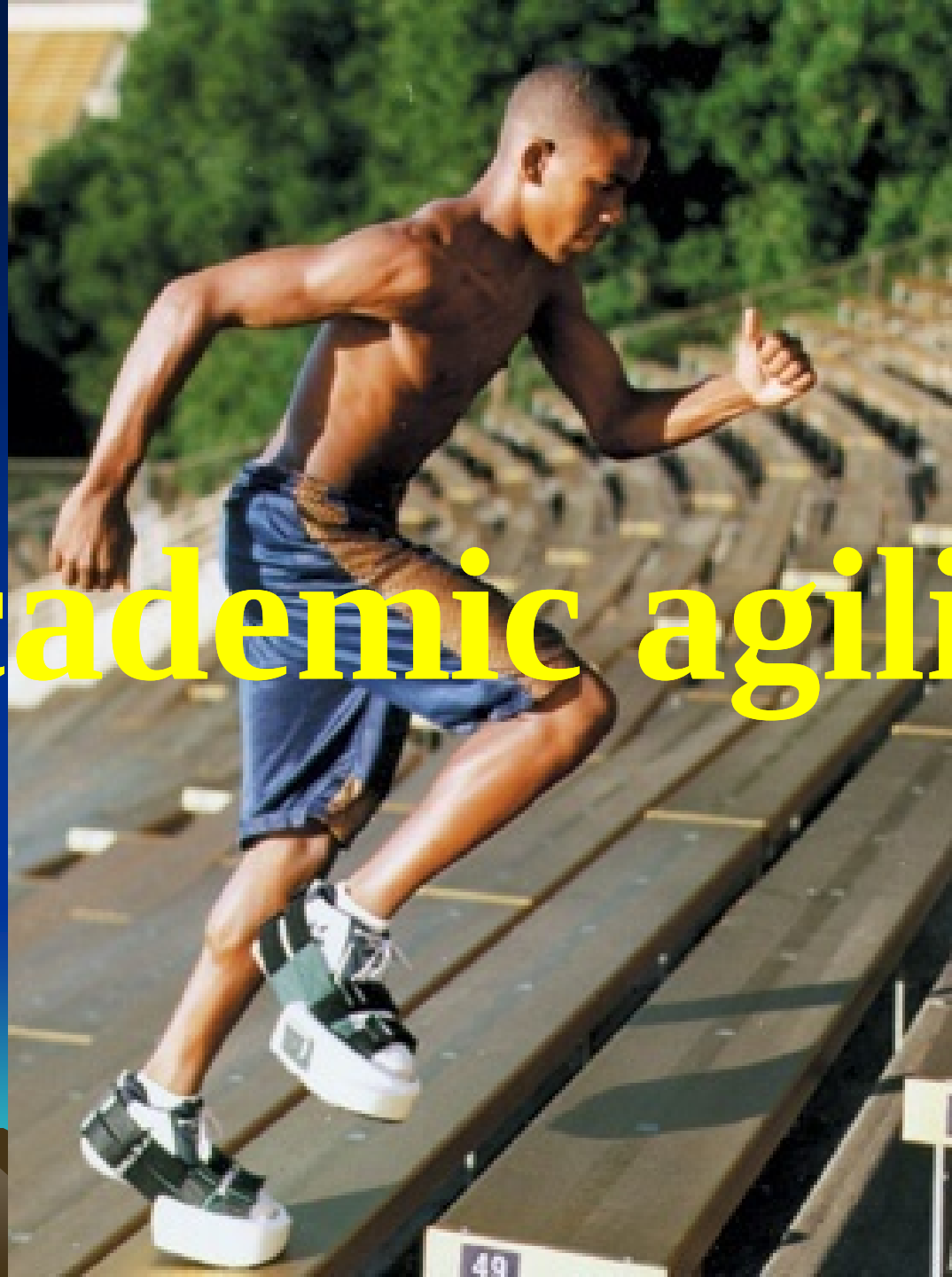
A silhouette of a person standing on a sandy beach with their arms raised in a 'V' shape, celebrating. The background is a bright blue sky with scattered white clouds. The image is framed by a dark blue border on the top and sides, and a brown mountain-like shape on the bottom left.

Inherent Self- confidence

**The first two are
perplexing WHYs which
came from studying a
remarkable individual
at the turn of the 20th
century!**



Academic agility



Why and what?

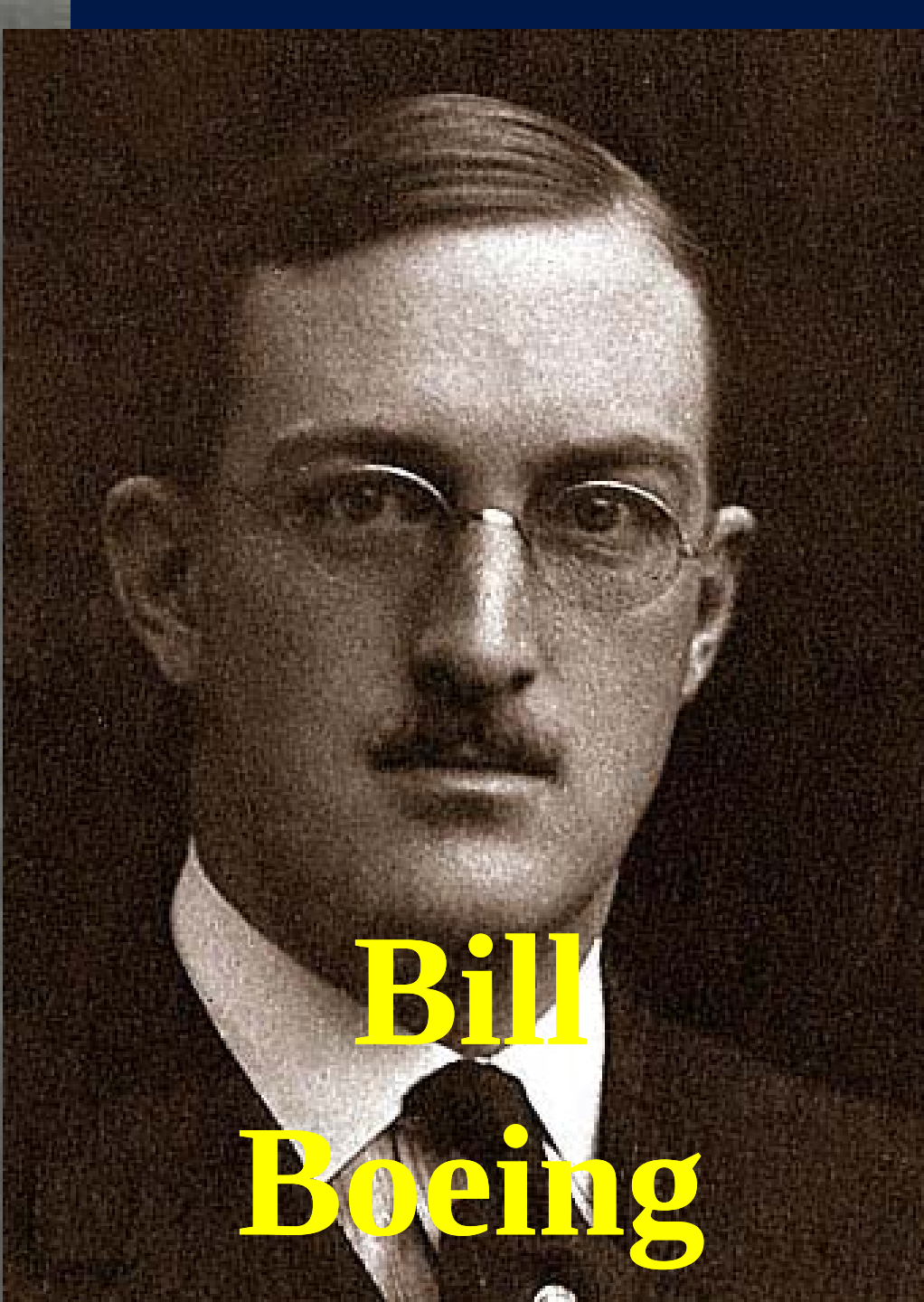




**Boeing CEO Phil Condit
from 1997 – 2003**



**Tsoo
Wong**



**Bill
Boeing**

*“..He (Bill Boeing) hired (1916) Tsoo
Wong (王助) as*

*the company's first
aeronautical engineer*

*.... An engineering graduate from the
Massachusetts Institute of Technology,
Tsoo Wong became the first chief
engineer at Boeing...”*

*Phil Condit, Boeing CEO, NAE Speech
in 1997*



China-born Wong Tsoo, Boeing's first hired engineer, designed the company's first commercially successful airplane in 1916

首任工程師——中國人王助于 1916 年設計了波音第一款獲得商業成功的飛機

SEA-TAC Airport sign of Wong Tsoo

Wong was sent by China's Qing dynasty government in 1909 to study mechanical engineering in Durham University

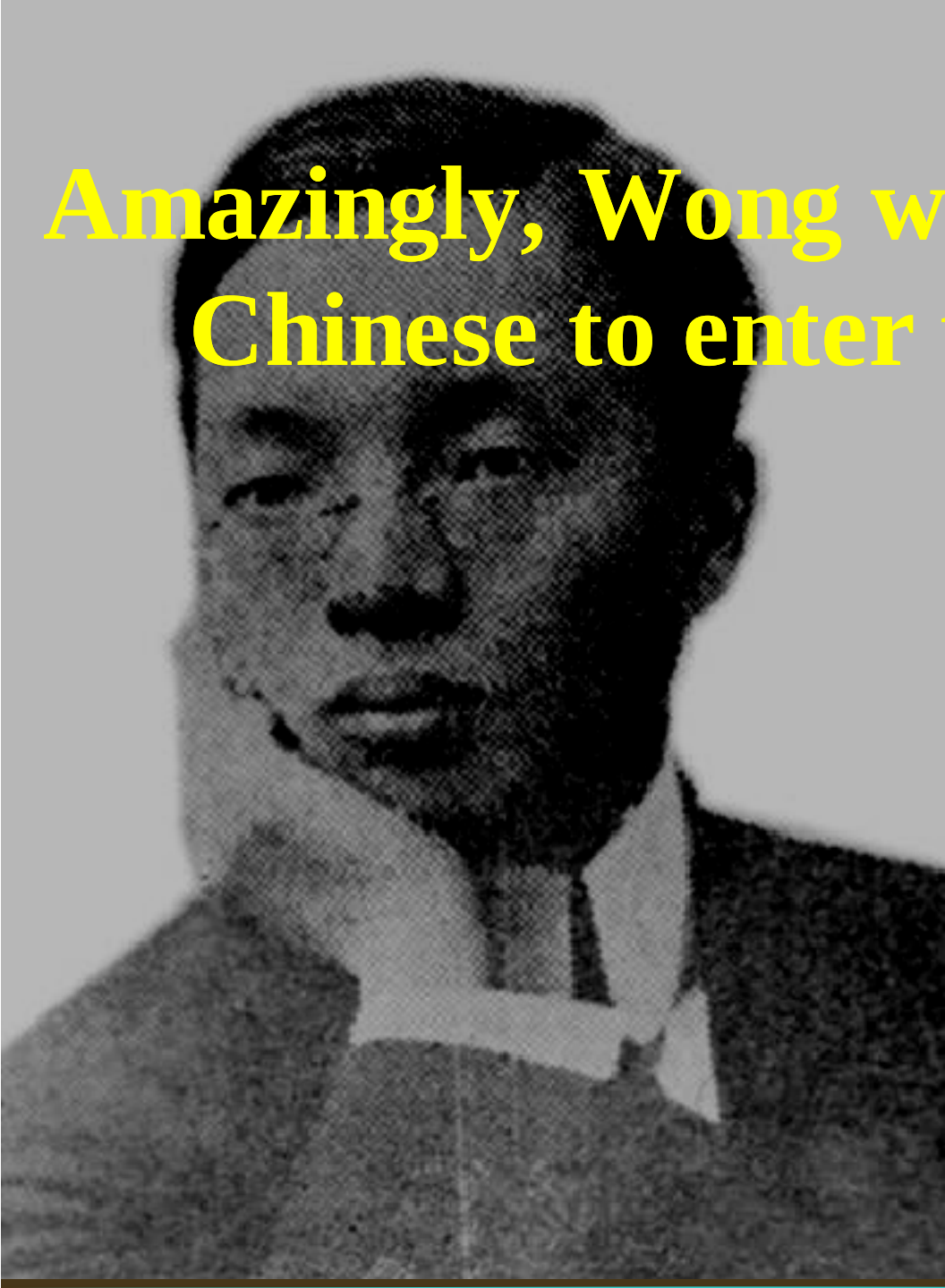


**Last Emperor (1908-1911)
of China**





**Entered MIT
Aeronautical
Engineering in 1916
(Aero program officially
started in 1914)**

A black and white portrait of a man with dark hair, wearing a suit and tie, looking slightly to the left. The portrait is on the left side of the slide.

Amazingly, Wong was NOT the first Chinese to enter this program

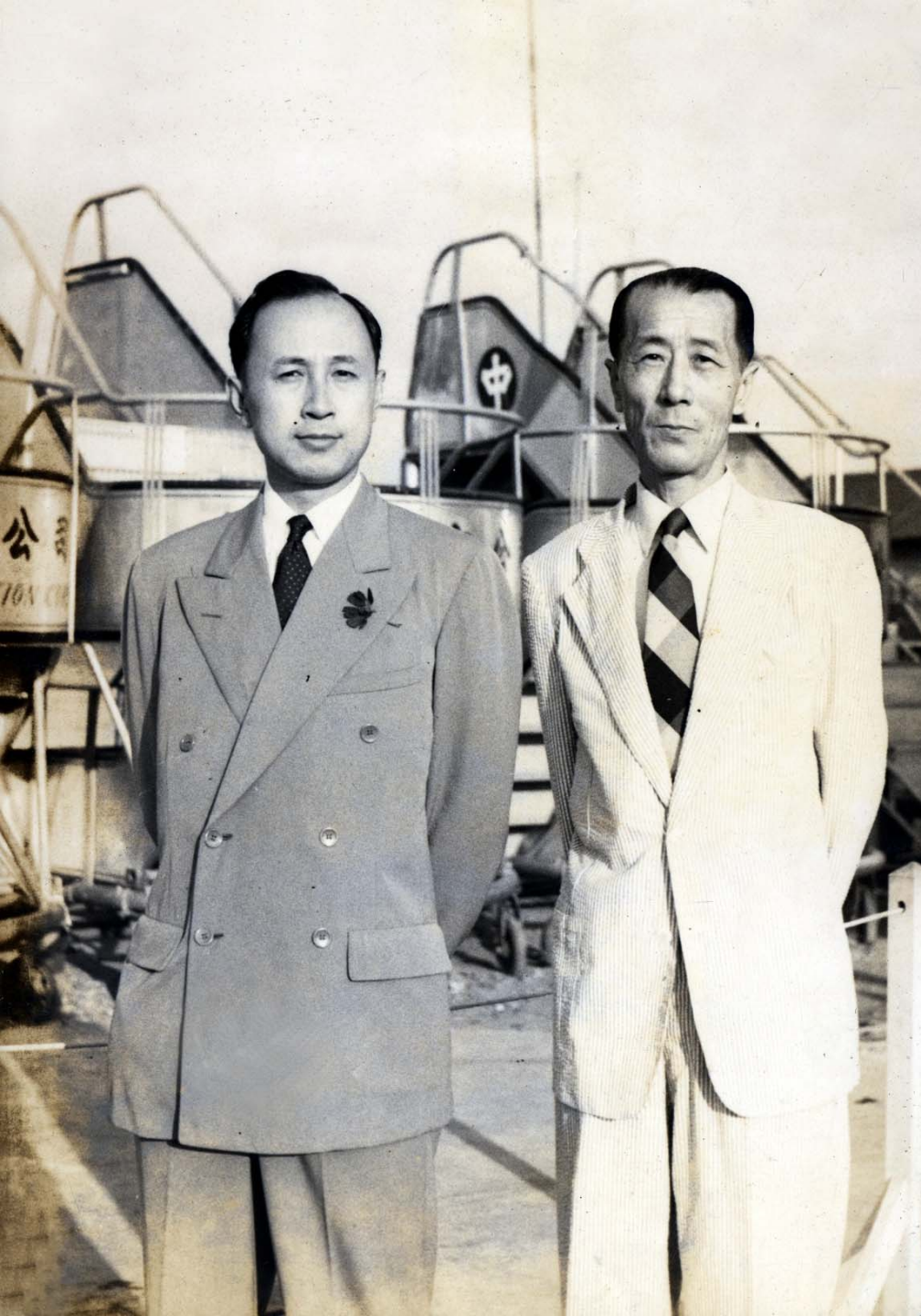
First person to complete MIT MSc course in Aero Eng is another Chinese

Hou-Kun Chow

Other aeronautical engineering graduates of MIT in 1913/1914

*Shao Chinjj,
Sidney Ying,
V U Chow,
Chow Ming,
Chow Ziang Yien*

A stylized silhouette of a mountain range is positioned at the bottom of the slide, spanning the width of the text area. The mountains are rendered in dark brown and black tones against the blue gradient background.



1947

**Tsoo Wong,
Father of Boeing**

**Qian Xue-Sen
(錢學森)**

**Father of China
Rocket program
中國火箭之父**

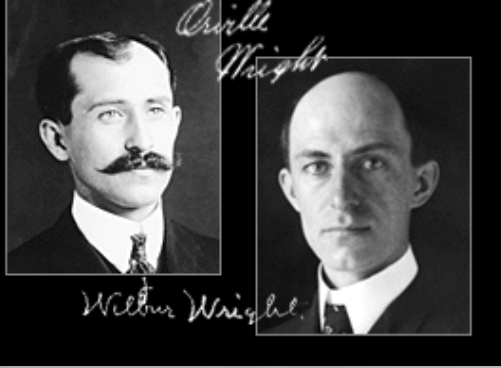


“In 1914, MIT offered the nation's first course in aeronautical engineering.” (From MIT web)

Why

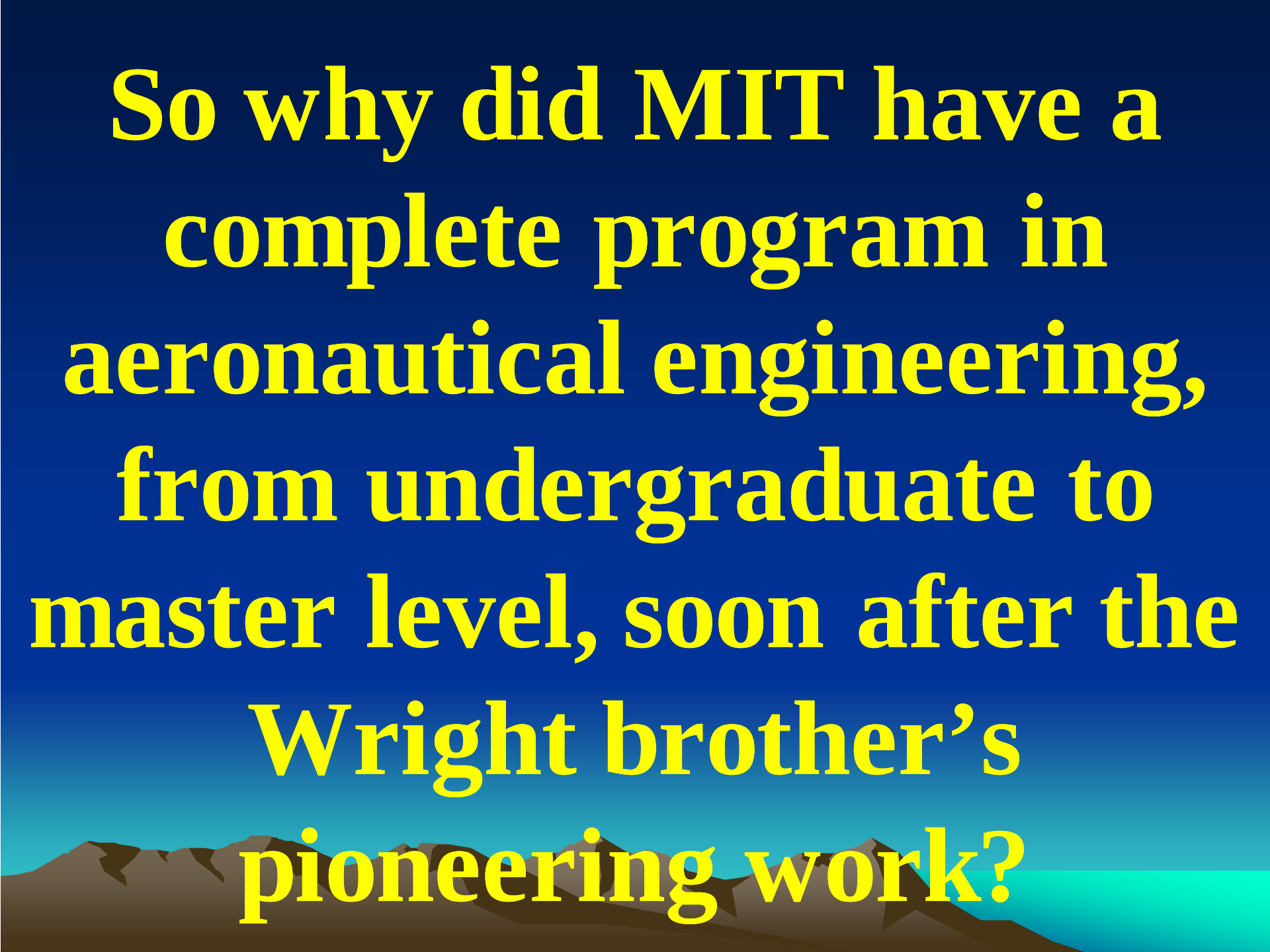
did Wong and many other Chinese
enrolled in MIT's aeronautical
engineering program?

A dark silhouette of a mountain range is visible at the bottom of the slide, spanning the width of the image.

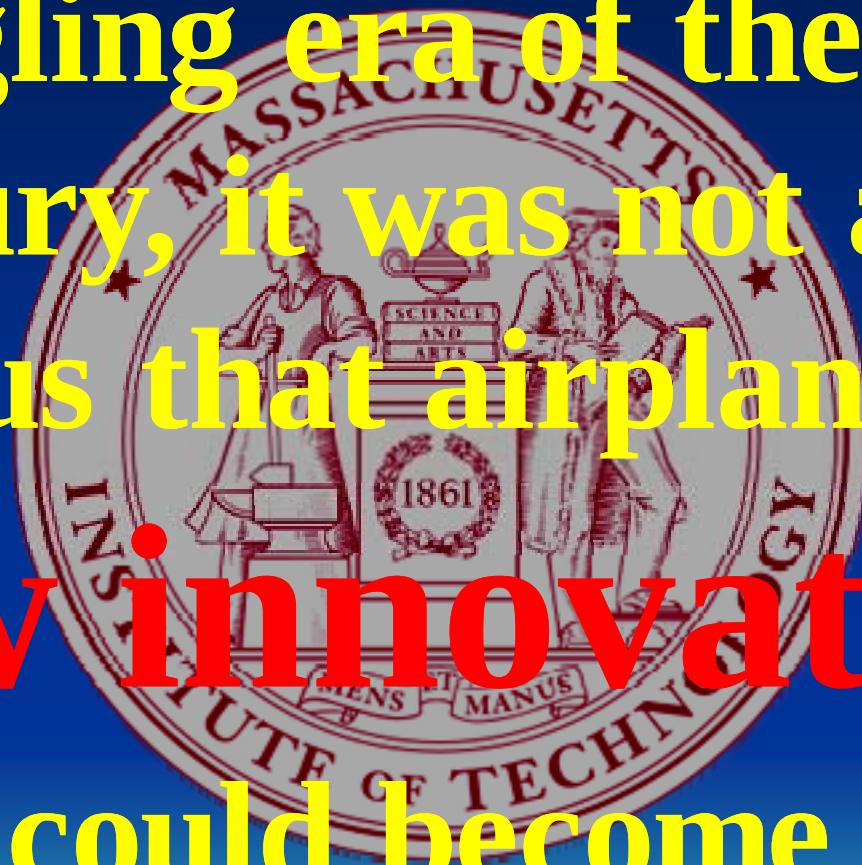


**Wright Brothers 1903
proved that human
can fly with a
mechanical device!**

**So why did MIT have a
complete program in
aeronautical engineering,
from undergraduate to
master level, soon after the
Wright brother's
pioneering work?**



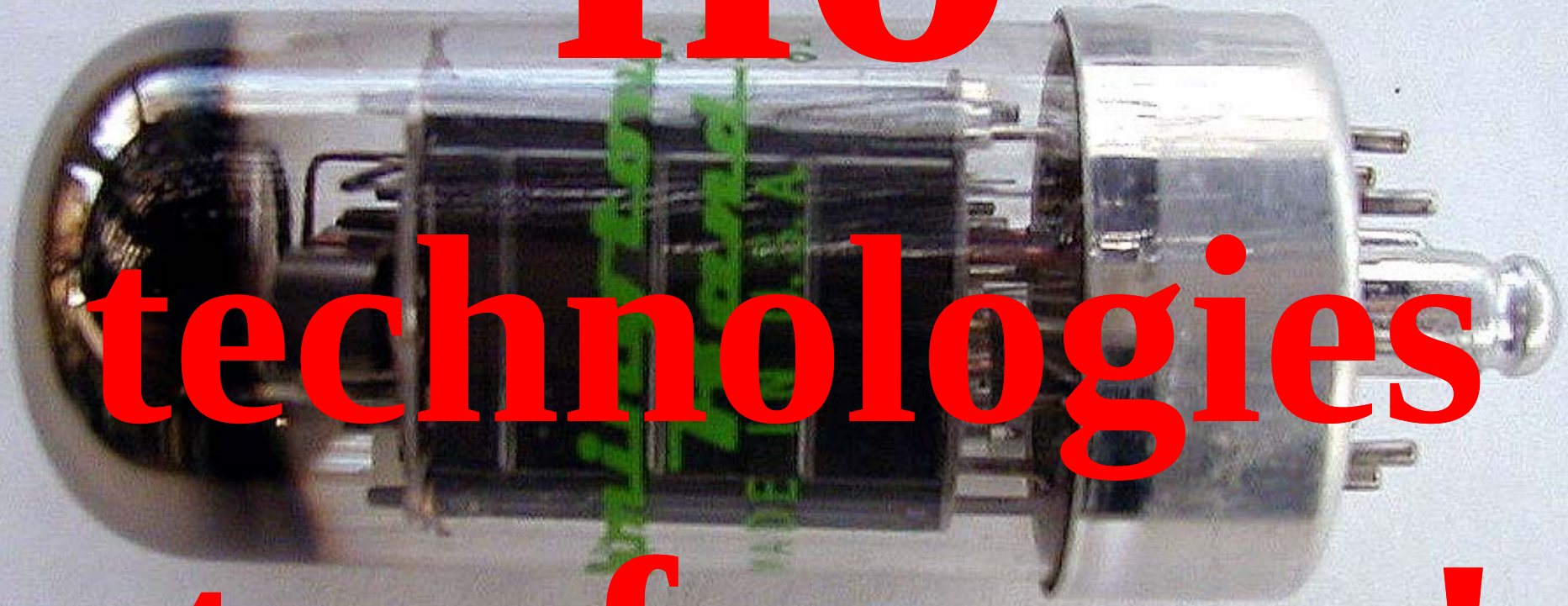
Especially when in the
fledgling era of the 20th
century, it was not at all
obvious that airplane as a
“**new innovation**”
could become
entrepreneurially viable.



**The fact that MIT did that,
implied that within the
university there had to
exist individuals who
inherently and profoundly
understood that**



**no
technologies
stay forever!**



There is profound
understanding of the
importance of

**INTELLECTUAL
AGILITY!**



**What lesson
learned here?**



**Asian universities
need to be cognizant
of the fundamental
importance of**



intellectual agility so
vividly displayed by
MIT leadership at
the turn of the 20th
century



**in their pursuit of
academic excellence in
order to be globally
competitive in the 21st
century!**



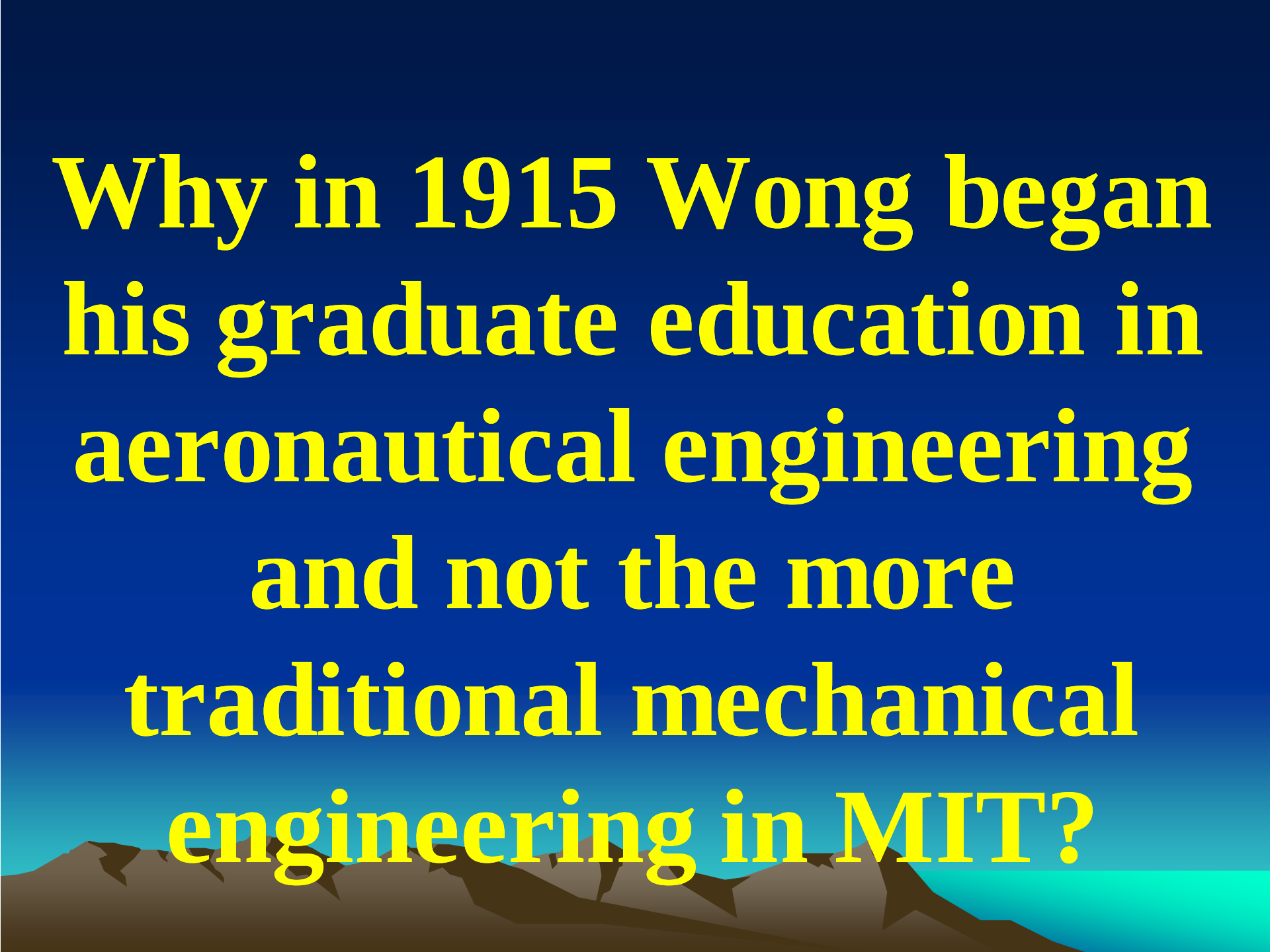
A photograph showing a long line of German Shepherds standing in a row on a paved surface, facing a small black and white cat. The dogs are all looking towards the cat, which is standing at the end of the line. The background features a building with large windows and some greenery.

Intellectual courage

Why and what?



**Why in 1915 Wong began
his graduate education in
aeronautical engineering
and not the more
traditional mechanical
engineering in MIT?**



After all...





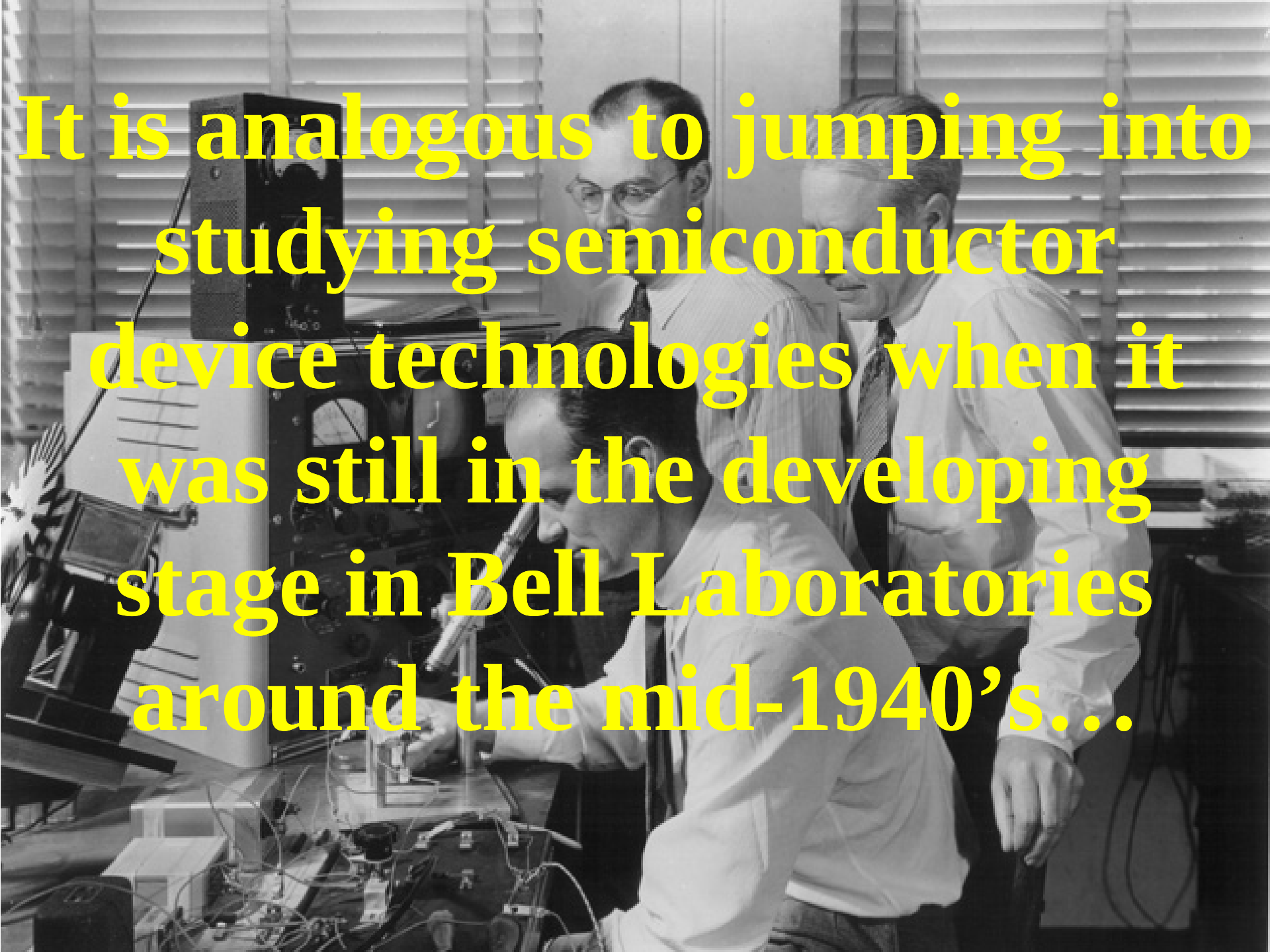
The B-W Seaplane redesigned by Wong

...is not





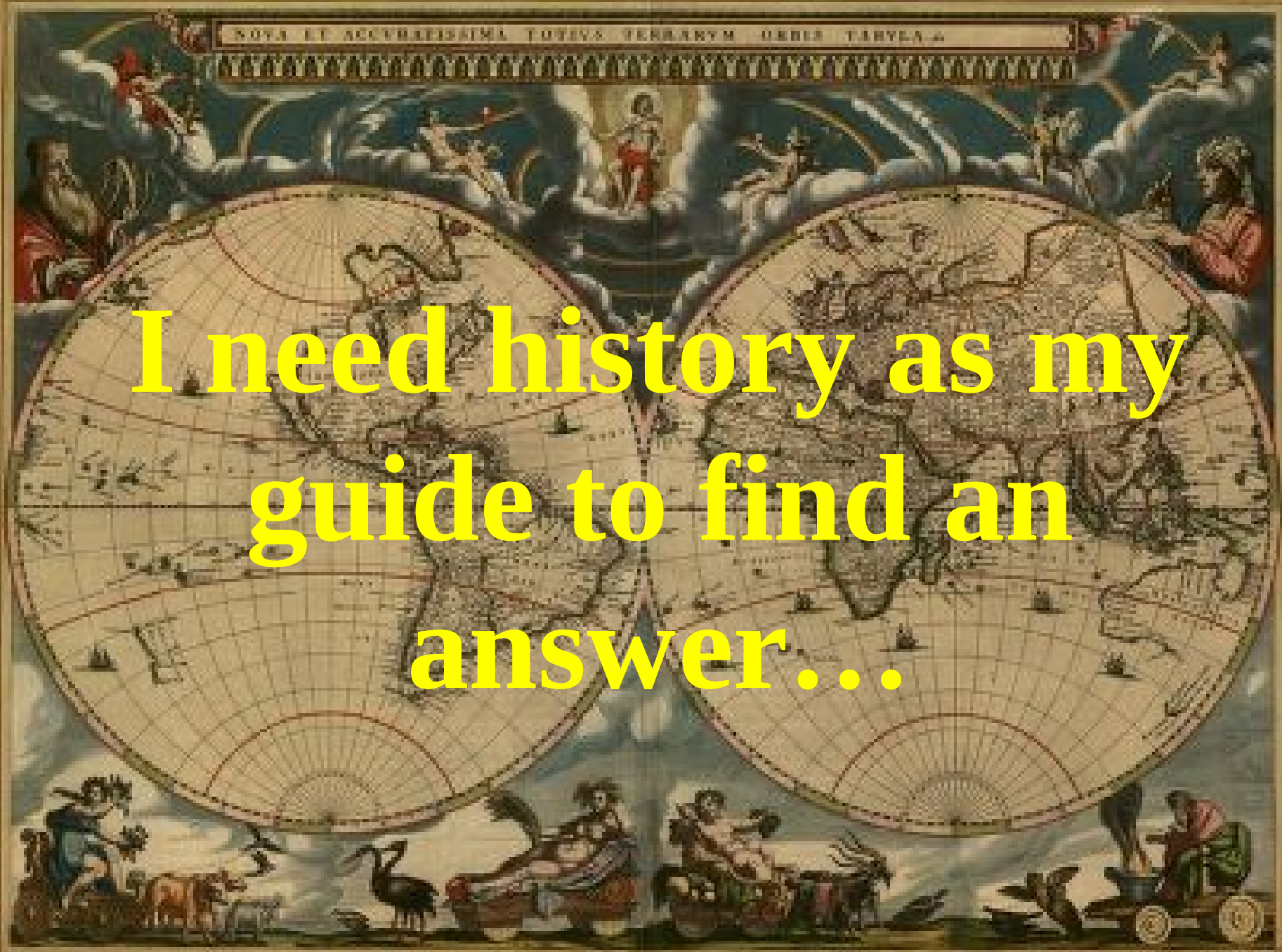
**It is analogous to jumping into
studying semiconductor
device technologies when it
was still in the developing
stage in Bell Laboratories
around the mid-1940's...**



This was a much harder question because I had to dive into Wong's mind when he was no longer around to answer this fundamental and personal question.



I need history as my
guide to find an
answer...



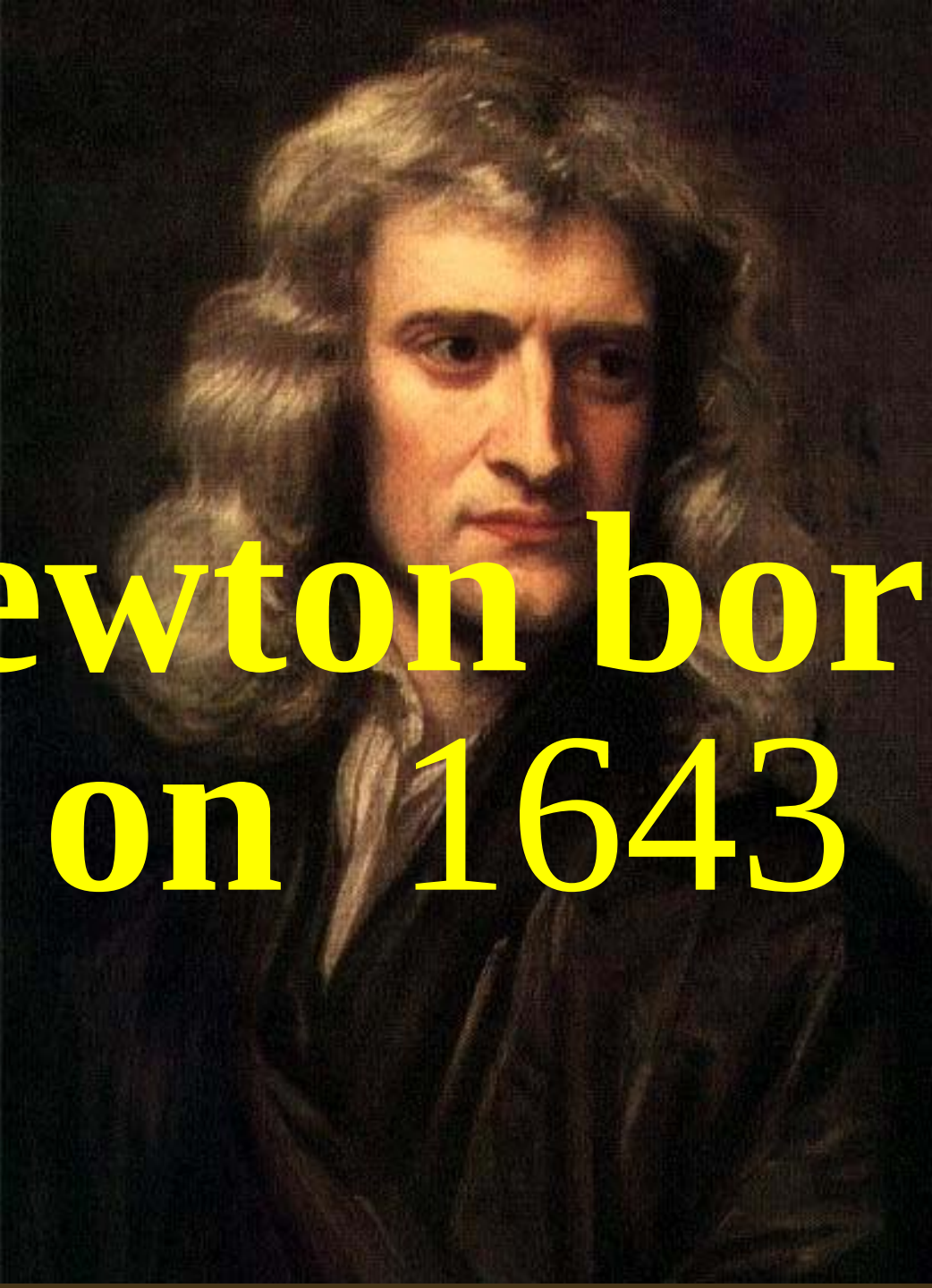


Nature played a big joke on China

China map © bugbog.com

China

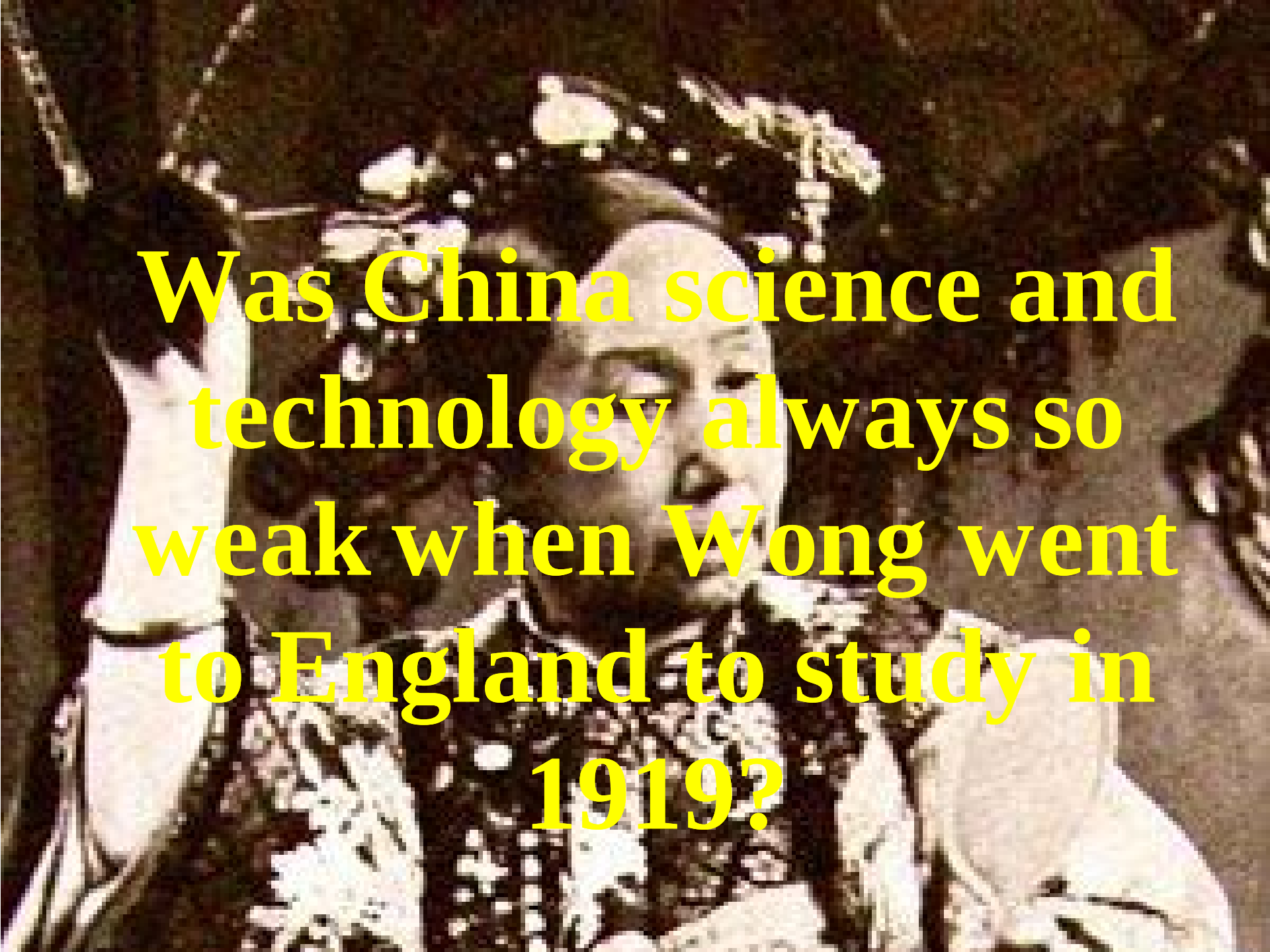
Tibet

A portrait of Isaac Newton, showing him with long, wavy, light-colored hair, wearing a dark coat over a white cravat. The portrait is set against a dark background and is framed by a blue border with a mountain silhouette at the bottom.

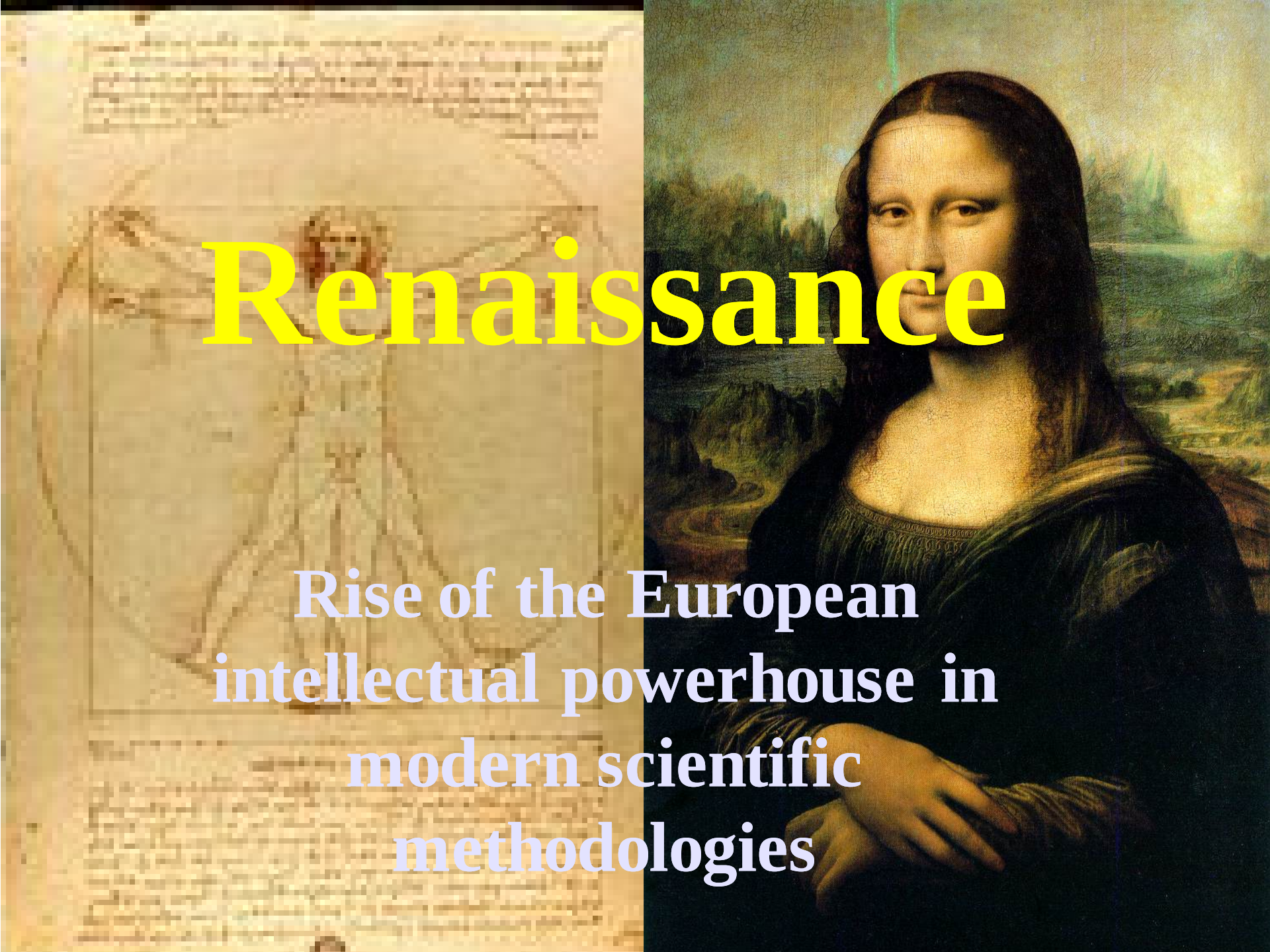
**Newton born
on 1643**

First year of Qing Dynasty emperor 1644



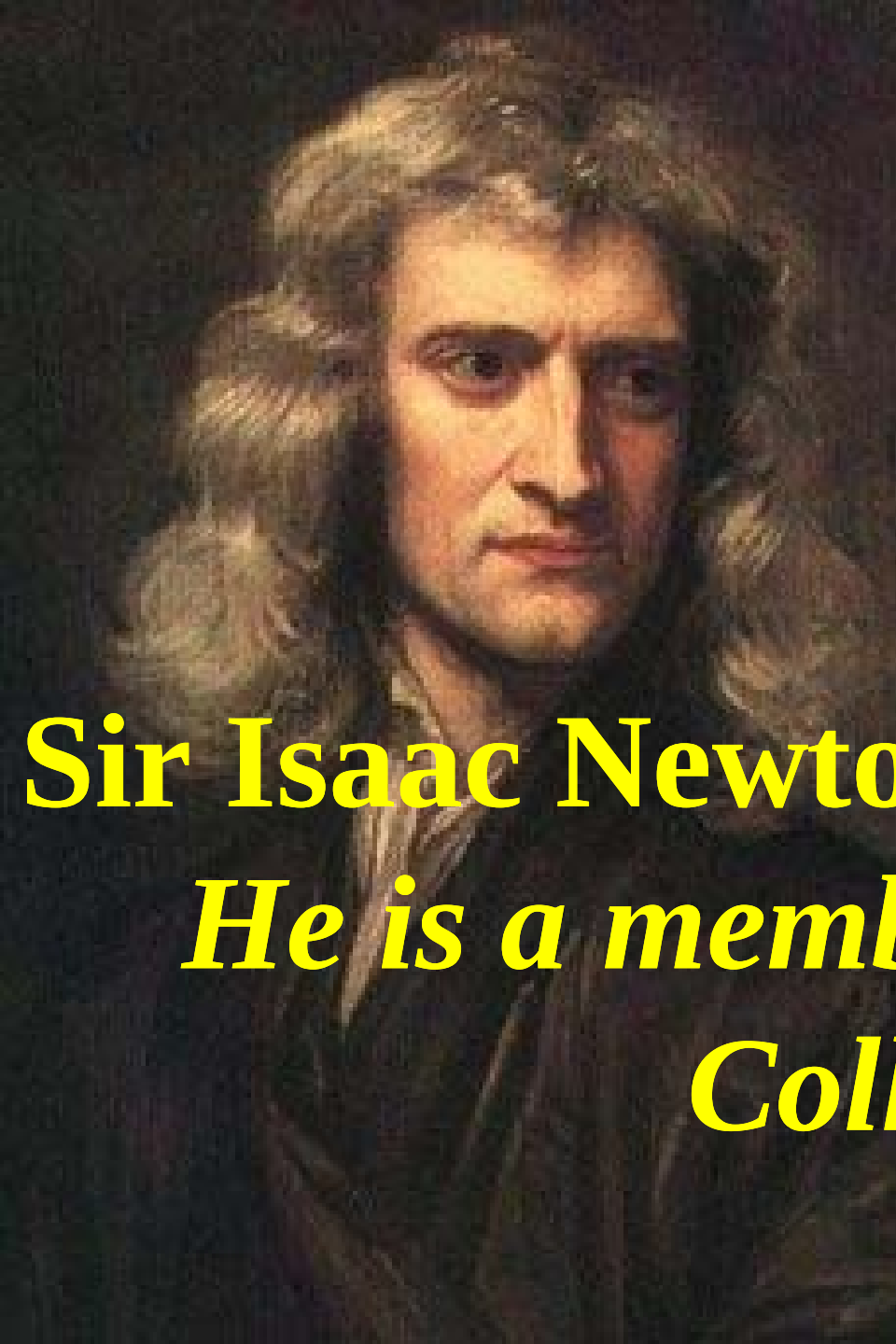


**Was China science and
technology always so
weak when Wong went
to England to study in
1919?**



Renaissance

Rise of the European
intellectual powerhouse in
modern scientific
methodologies

A portrait of Sir Isaac Newton, showing him with long, wavy, light-colored hair, wearing a dark coat and a white cravat. He is looking slightly to the right with a serious expression.

Sir Isaac Newton (1642 - 1727)
*He is a member of Trinity
College*

PHILOSOPHIÆ
NATURALIS
PRINCIPIA
MATHEMATICA.

Autore J. S. NEWTON, Trin. Coll. Cantab. Soc. Matheseos
Prof. Tor. Lucasian, & Societatis Regiæ Socii

IMPRIMATUR.

S. PEPY, Reg. Soc. PRÆSES.

Julii 5. 1686.

LONDINI,

Jussu Societatis Regiæ ac Typis Josephi Streater. Prostat apud
plures Bibliopolas. Anno MDCLXXXVII.

**In the 19th century,
European intellectual
supremacy was absolute.
European universities
intellectual dominance was
total!**

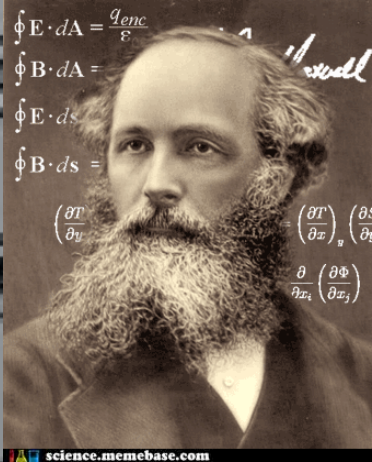


$$\oint \vec{E} \cdot d\vec{A} = \frac{q}{\epsilon_0}$$

$$\oint \vec{B} \cdot d\vec{A} = 0$$

$$\oint \vec{E} \cdot d\vec{s} = -\frac{d\Phi_B}{dt}$$

$$\oint \vec{B} \cdot d\vec{s} = \mu_0 I + \frac{1}{c^2} \frac{d\Phi_E}{dt}$$



science.memebase.com

Maxwell Equations

A Mademoiselle J.W. Stirling
Nocturne

Chopin
op. 9 no. 1

Andante

Piano



Chopin Nocturne

Sheet Music from Scores.com © Copyright 2007 Red Balloon Technology Ltd

**I concluded that as
Wong and many other
aspiring young
Chinese, who saw
China just went from**



feudal to Republic



**and understood the profound
transformational era that was
taking place in Asia, and who
saw his nation fallen behind
scientifically and
technologically so dismally
for at least three centuries,**

A background image of a college football game. In the center, a player in a white jersey with red numbers is being tackled by a player in a blue jersey with white numbers. To the right, another player in a blue jersey with white numbers is running. The background shows a blurred crowd of spectators in a stadium.

naturally had the academic courage
to perform an academic

**“Hail
Mary!”**

**What lesson
learned here?**



**The challenge of Asia Pacific
universities in the 21st century
is whether we could instill**

ACADEMIC

COURAGE

in our students?

A silhouette of a mountain range is visible at the bottom of the slide, set against a blue gradient background that transitions from a darker blue at the top to a lighter blue at the bottom.

**Lesson learned from the Wong's courage
is that because of fast changing world of
technologies (and it is many many times
faster today than the days of Wong,
Asian students of today must have even
more academic courage than Wong, or
face the**

**prospect of becoming
irrelevant!**





**Ability to think out
of the box**



金可國際

GINKO INTERNATIONAL CO., LTD.

ГІНКО ІНТЕРНАЦІОНАЛ КООП. ТОВАР. ТОВАРИСТВО

Kuo-Chou Tsai 蔡國洲

**President of Ginko International
Group**



宝岛®眼镜

**Tsai is also one of the
many multi-billion
cross straits businesses
founder known as
Formosa Optical**



宝岛®眼镜

在武汉开设了首家大陆分公司，随后厦门、福州、泉州、漳州、莆田、龙岩、天津、北京、杭州、宁波、绍兴、义乌、嘉兴、诸暨、南京、苏州、无锡、南通、常州、南通、昆山、徐州、扬州、哈尔滨、大庆、大连、沈阳、长春、贵州、重庆、成都、德阳、绵阳、南充、江油、合肥、淮南、马鞍山、广州、东莞、深圳、惠州、上海、青岛、烟台、淄博、胶州、长沙、西安、海口、南昌分公司相继成立。



宝岛®眼镜

You will see this all over
Mainland China. There are
currently **1400** stores in the
Mainland and every year
around 100 new ones are
added!

**There are many reasons
why Mr. Tsai as a Taiwan
businessman (台商) is
successful in his business.
The two he mentioned to
me are as follows.**

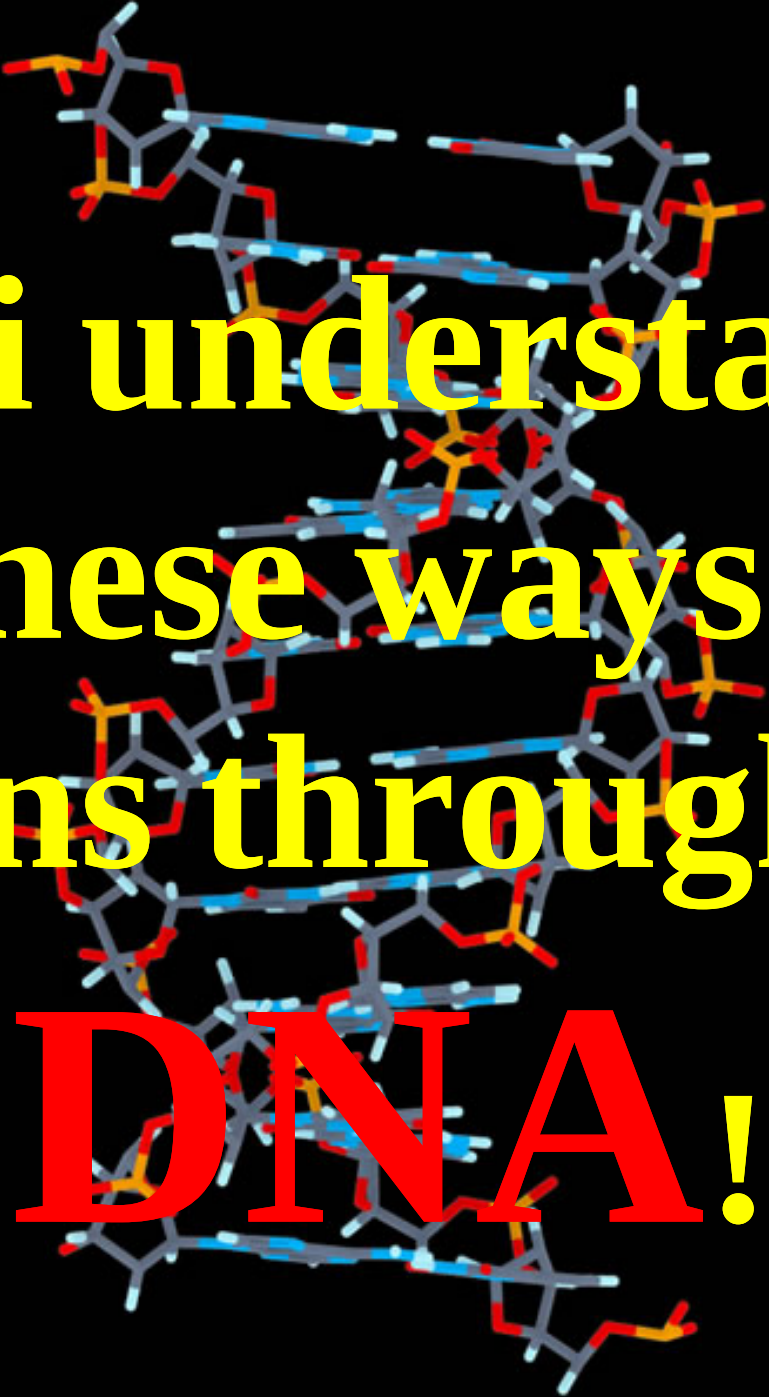


CHINA



PEOPLE | PLACE | CULTURE | HISTORY

**Foreign entrepreneurs
understand Chinese
ways and means
through books!**



**Tsai understands
Chinese ways and
means through his
DNA!**

Second, he quickly figured out that as a Taiwan businessman, he could move freely from province to province in China. Chinese competitors for this business, because of provincialism, cannot move so easily. In this way, he could create an all Mainland business!



A school of approximately 12 goldfish of various sizes and shades of orange and red, swimming in a loose formation against a plain white background. The fish are positioned around the central text, with some appearing closer and larger, and others further away and smaller.

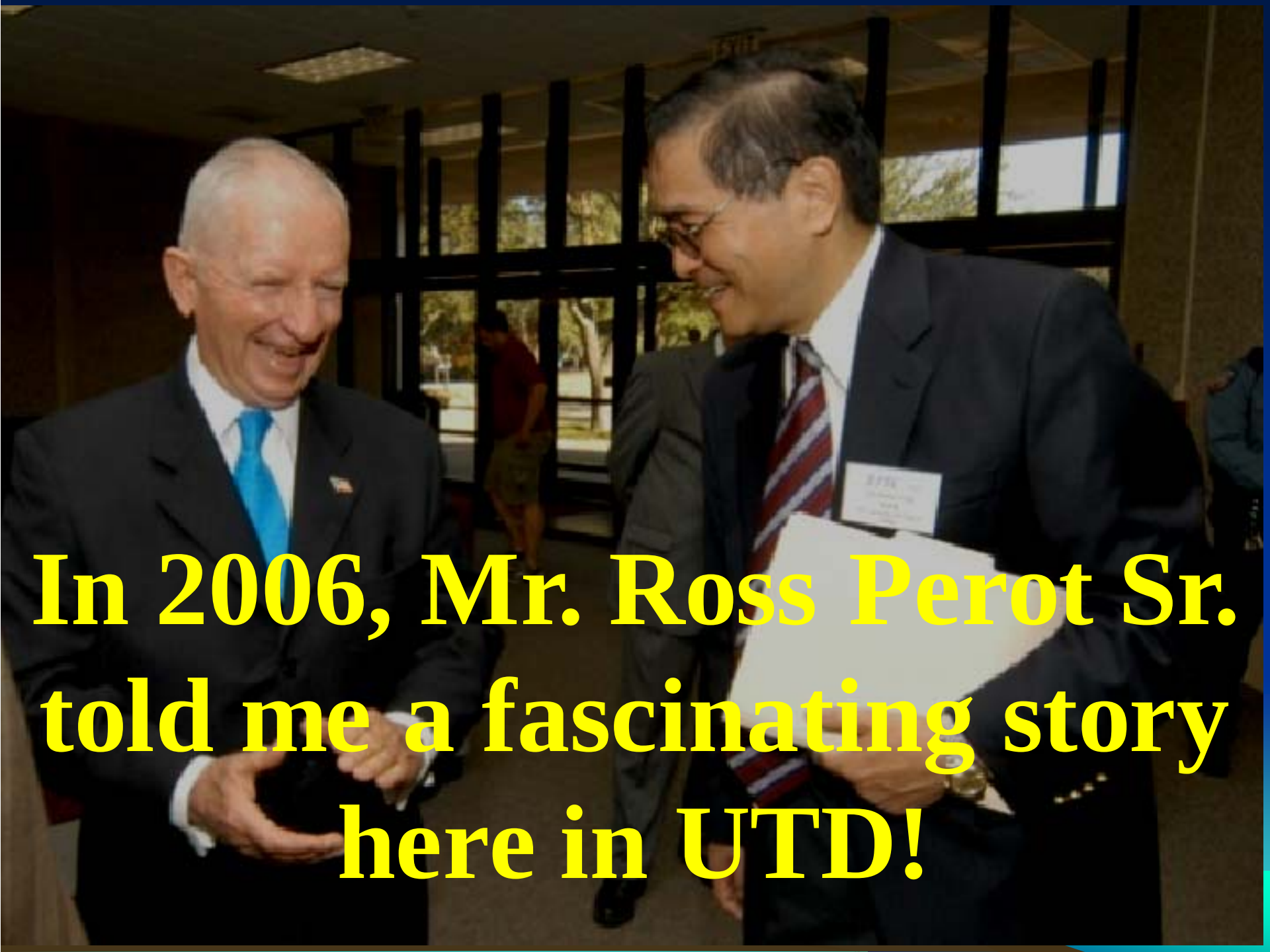
**This makes Tsai
way ahead of the
pack!**

**What lesson
learned here?**

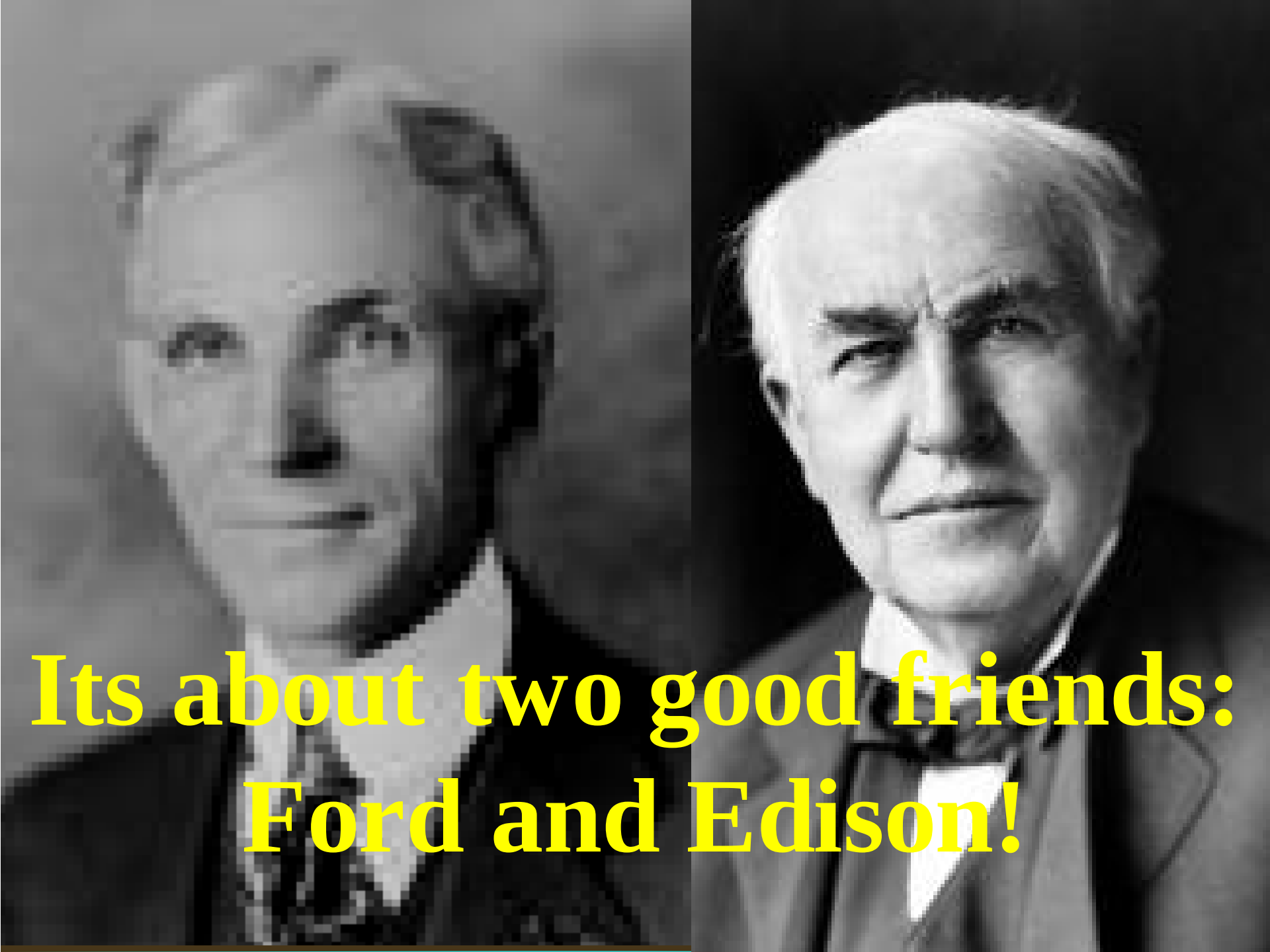


**Opportunities in
Asia are
everywhere if you
can think out of
the box!**

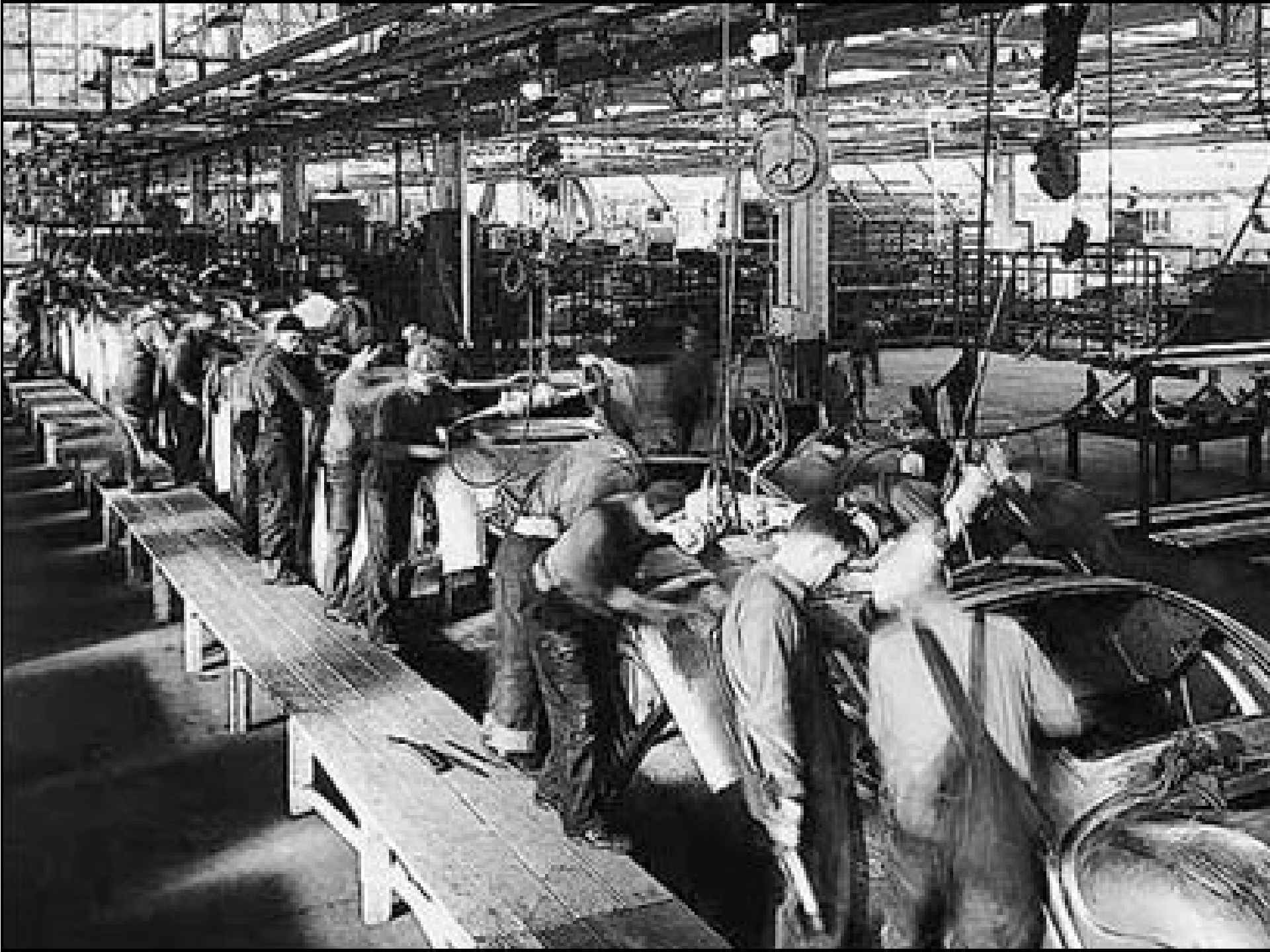




**In 2006, Mr. Ross Perot Sr.
told me a fascinating story
here in UTD!**



**Its about two good friends:
Ford and Edison!**



Ford: Moving people in the
assembly!

Edison: Have you considered
moving the cars ?

The rest is history!



**This is as humorous as it is
profoundly meaningful. It
reminded us there is always a
think-out-of-the-box way of
improving efforts!**

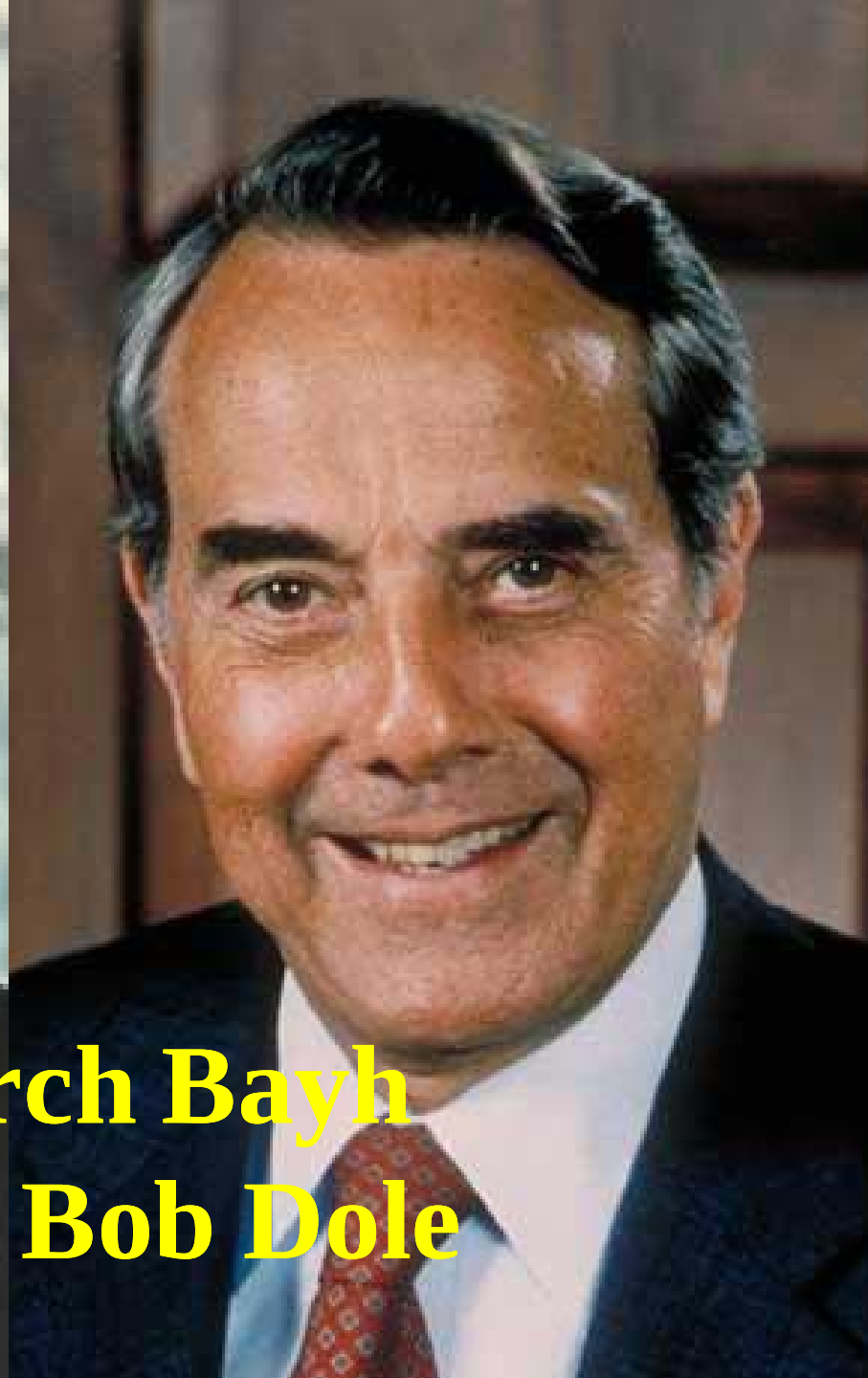


A photograph of a modern lecture hall or auditorium. The room features tiered seating with blue upholstered chairs and light-colored wooden desks. In the foreground, a desk has a computer monitor displaying a blue screen. The text "Corporate and Academia New Paradigm" is overlaid in large yellow letters.

Corporate and Academia New Paradigm

The background of the slide is a composite image. The top portion shows a deep space scene with a dark blue sky filled with numerous small, distant stars. A prominent, bright blue and white comet streaks diagonally across the upper right. In the lower left, a large, complex galaxy is visible, featuring a bright central core and intricate, swirling arms of star-forming regions and dust. The bottom of the slide is a solid dark blue horizontal band. Below this band is a silhouette of a rugged mountain range in a dark brown color, set against a lighter blue gradient background that suggests a sky or horizon.

The genesis!



**Senator Birch Bayh
and Senator Bob Dole**

**The Bayh-Dole Act
of 1980 turned not
just U.S. universities
upside down, but
globally!**

A stylized, dark brown mountain range silhouette is positioned at the bottom of the slide, spanning the width of the text area. The background is a solid dark blue.

**Instead of government
owning the IPs, this Act
permits a university, small
business or any non-profit
organizations to retain
intellectual property
ownerships.**





**This fundamentally
altered university-
industry relations.**



**Universities now can take
their **IPs** and negotiate
various relations with
industries, such as license,
co-ownerships and so on.**

**So does this academic
– industrial revolution
work?**

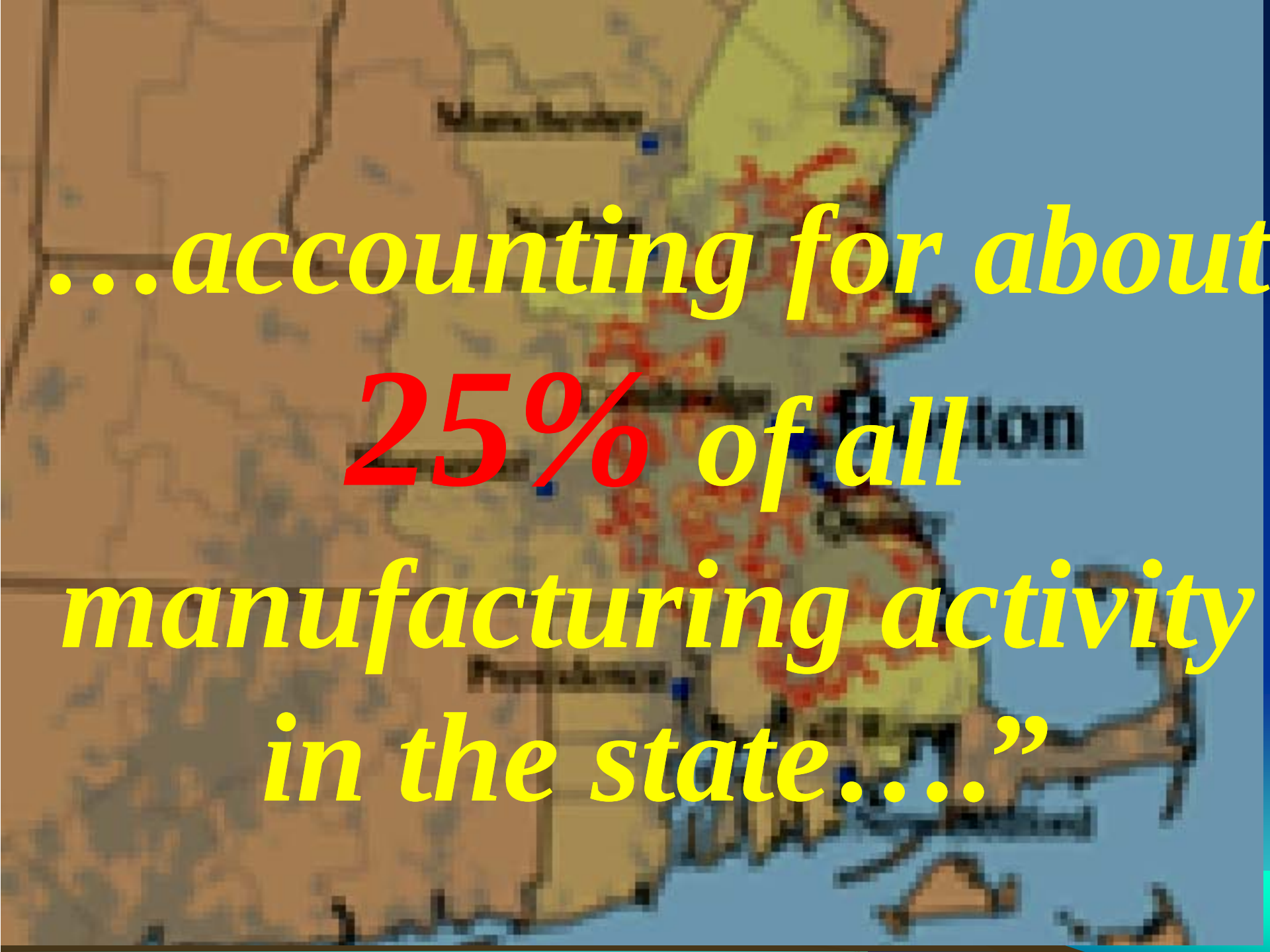


A man with glasses, wearing a dark suit and a red tie, is speaking at a podium. His hands are clasped in front of him. A microphone is visible in front of him. The background is dark. A quote is overlaid on the image in yellow text.

***“... Historically, most U.S. universities did not actively seek to participate in the translation of discoveries into new products, processes, and services.*”**

The background of the slide is a photograph of the iconic dome of the Massachusetts Institute of Technology (MIT) building. The dome is a large, white, classical-style structure with a series of columns supporting its base. It is set against a clear blue sky with some light clouds. The foreground shows a green lawn and some trees on the sides.

***EXCEPTION: MIT had
founded over 4,000
companies nationwide,
and were continuing to
create an additional 150
companies a year.***

A pixelated, low-resolution map of the United States serves as the background. The text is overlaid on the map, with the word "California" visible behind the percentage. The text is in a bold, italicized font, with the percentage "25%" in red and the rest in yellow.

*...accounting for about
25% of all
manufacturing activity
in the state....”*



**Why not
more
MIT's?**

**My answer is that it can
only be if we can
stimulate economic and
intellectual development
synergistically.**



**“A business is
there to make
money, ethically!”**

*from a good friend who is a successful
entrepreneur*





htc
quietly brilliant



HUAWEI

...or small startups....

The background of the slide features a classical painting of a man with a long, flowing white beard and hair. He is wearing a white robe with a dark sash or belt. He is holding a large, dark, bound volume or book in his left arm, and his right hand is extended, pointing towards the viewer. The background of the painting is light and textured. The entire slide is framed by a blue border on the left and right sides, and a brown and blue gradient at the bottom.

The FIVE commandments **of ENTREPRENEURSHIP**

- **A good idea**
- **A burning desire to do business**
- **A way to obtain business finance**
- **A process to turn a prototype or an integrated prototypes into a product.**
- **Sell the product.**



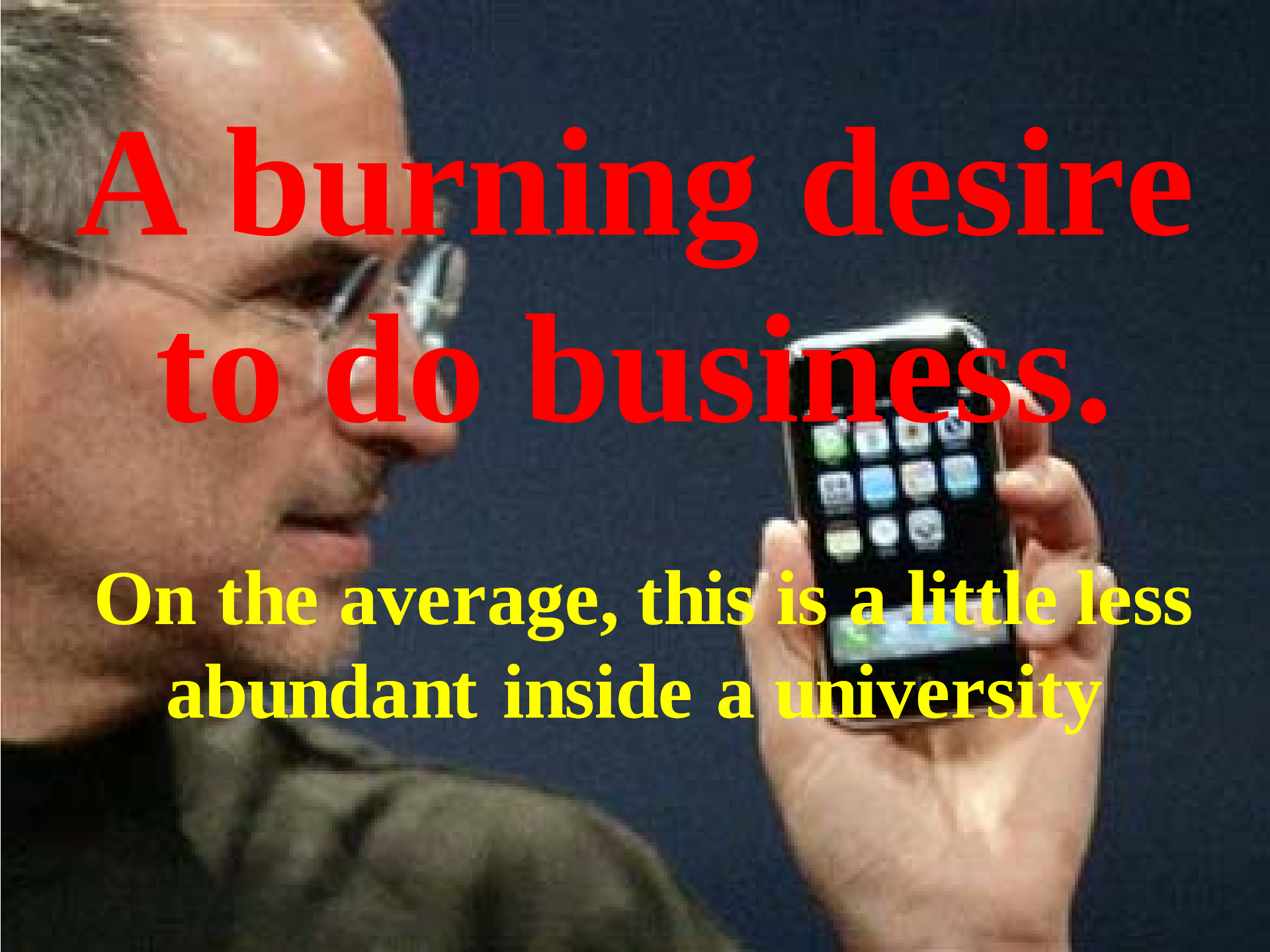
Normal University Operation



A good idea.

This is certainly not in
short supply within the
university.



A close-up, profile view of Steve Jobs holding an iPhone. He is wearing his signature glasses and a dark shirt. The iPhone screen displays the iOS home screen with various app icons. The background is dark and out of focus.

**A burning desire
to do business.**

**On the average, this is a little less
abundant inside a university**

A photograph of a business meeting in progress. Several men in suits are seated around a table, engaged in discussion. The background is a blue wall with the word 'Financing' partially visible in large white letters. Overlaid on this image is large red text.

A process to obtain business finance.

This is even more difficult inside
the university!



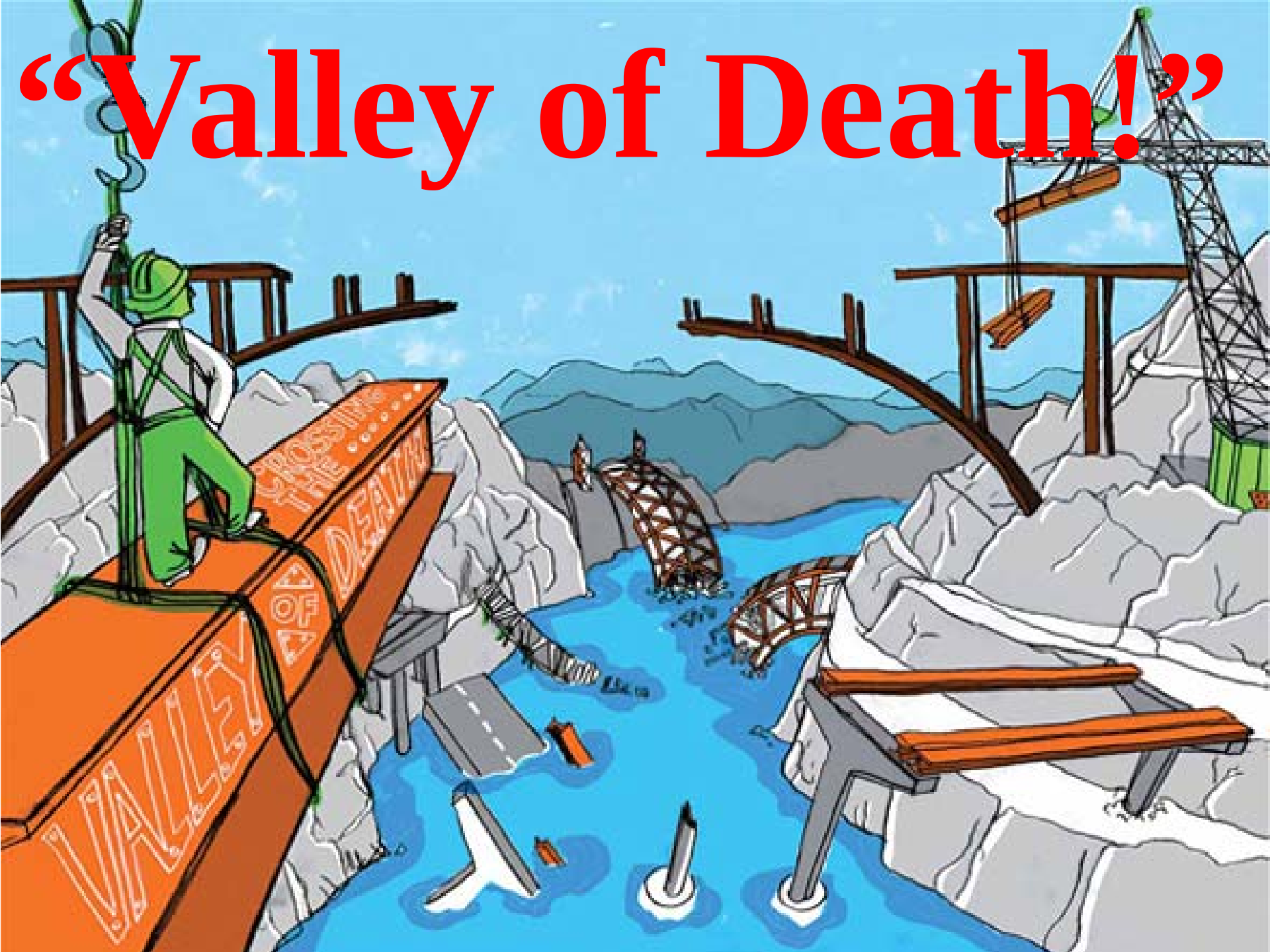
**A process to turn a
prototype or an integrated
prototypes into a product
is a euphemism for
manufacturing.**

NO NO NO inside the university.



Sell the product.

University cannot do this.



“Valley of Death!”



outside.in

A good idea.

This is certainly not in short supply from the outsiders. Without a good idea, they do not have a business.





Kenicche Ohmae

*“we are smarter
than me”*

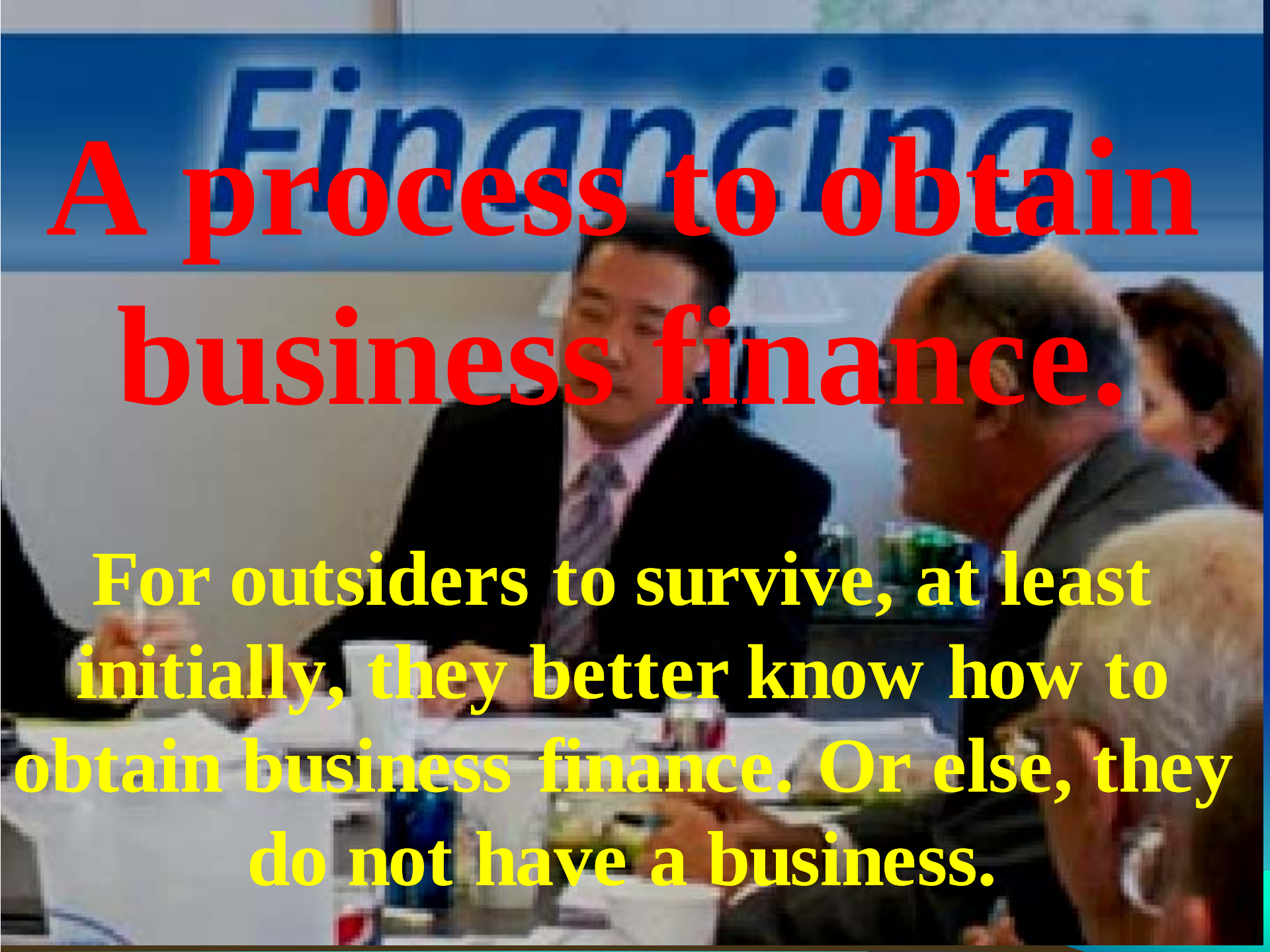
**Many many
IP's integrated
into a product**



A close-up, profile view of Steve Jobs holding an iPhone. He is wearing his signature glasses and a dark jacket. The iPhone screen displays the iOS home screen with various app icons. The background is dark and out of focus.

**A burning desire
to do business.**

Ditto.

A background image showing a business meeting. Several people in business attire are seated around a table, looking at documents. The word "Financing" is visible in large, blue, stylized letters at the top of the image.

**A process to obtain
business finance.**

For outsiders to survive, at least initially, they better know how to obtain business finance. Or else, they do not have a business.



**A process to turn a
prototype or integrated
prototypes into
products.**

**This is a euphemism for
manufacturing. They must know
how to do this. Or else they do not
have a business.**

A process to sell products successfully.

This is a euphemism for marketing.
Marketing is fundamental to any
business. It is the “soul” of business.
Without it, outsiders do not have a
business.

**What lesson
learned here?**



A large offshore oil platform with multiple decks, cranes, and support legs, situated in the ocean under a cloudy sky.

insiders

outsiders

Research University Platform

Such a platform which involves complicated issues as to who owns IP's and how much, how to “system integrate” prototypes together, and so on and so forth must be constructed, clearly defined and delineated.



A silhouette of a person standing on a sandy beach with their arms raised in a 'V' shape, celebrating. The background is a bright blue sky with scattered white clouds. The image is framed by a dark blue border on the top and sides, and a brown mountain-like shape on the bottom left.

Inherent Self- confidence

**Asian Universities have gone
from the unwritten mission of
“merely” supplying talents for
the Western World to a new
and bold mission of supplying
the most talented workforce
for humanity in the 21st
century!**

A stylized silhouette of a mountain range in shades of brown and grey, positioned at the bottom of the slide against a blue gradient background.

**Our products, students, be it
in sciences, technologies or
otherwise, need**

**inherent self
confidence**

**to assist the world to tackle
these problems.**



**Let me say a few words as
to why inherent self-
confidence is needed for
Asian workforce in the 21st
century!**



**Problems such as a large
percentage of human
population not having
the three fundamental
grids of modern living...**

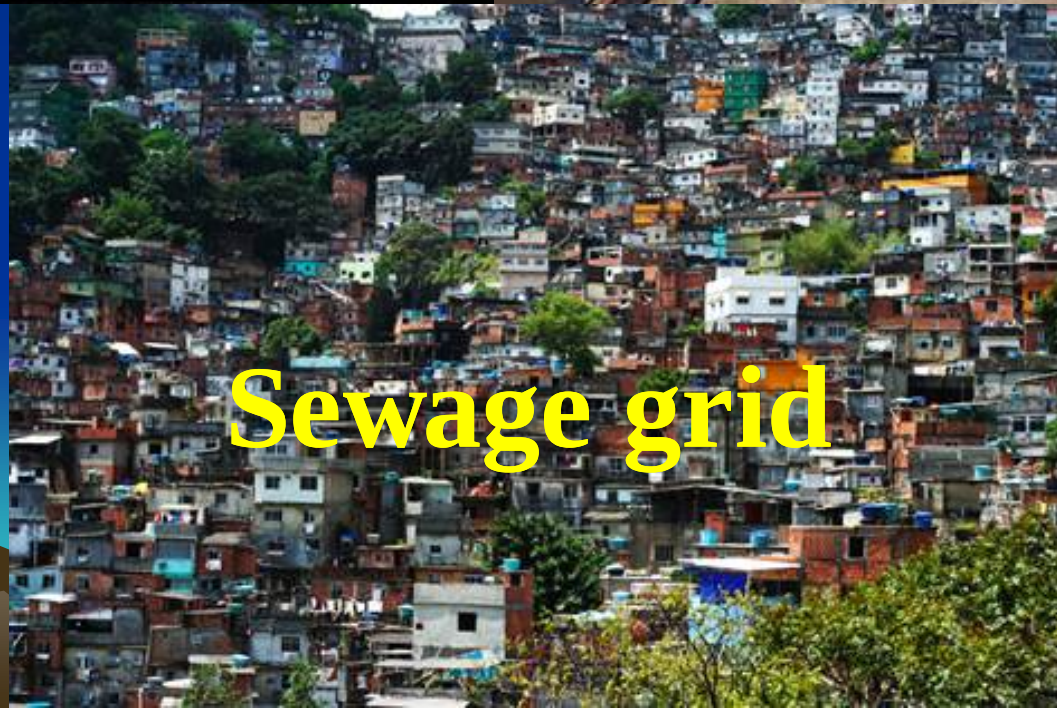




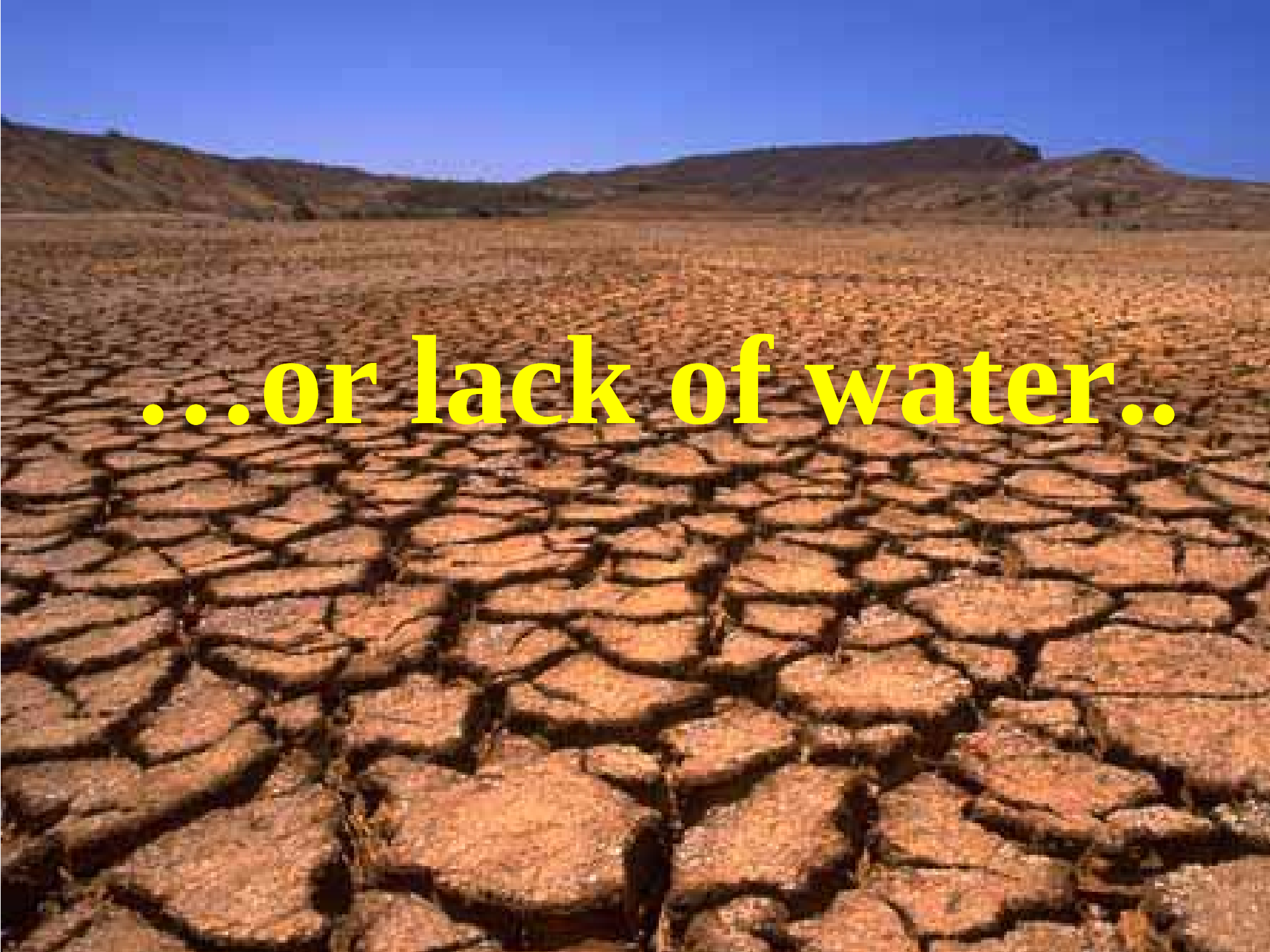
Electric grid



Water grid



Sewage grid

A photograph of a dry, cracked landscape under a clear blue sky, with hills in the background. The foreground is filled with a dense pattern of dark, irregular cracks in the dry, brownish soil, creating a mosaic-like effect. The cracks extend towards the horizon, where a range of low, arid hills is visible against a clear, bright blue sky. The overall scene conveys a sense of extreme drought and aridity.

...or lack of water..

A close-up photograph of a person's hand holding a silver coin over a coin slot on a white rectangular wall plate. The wall plate is mounted on a light blue wall and has two screws visible. The coin is held between the thumb and index finger, positioned directly in front of the slot. The text '..or lack of energy' is overlaid in yellow on the image.

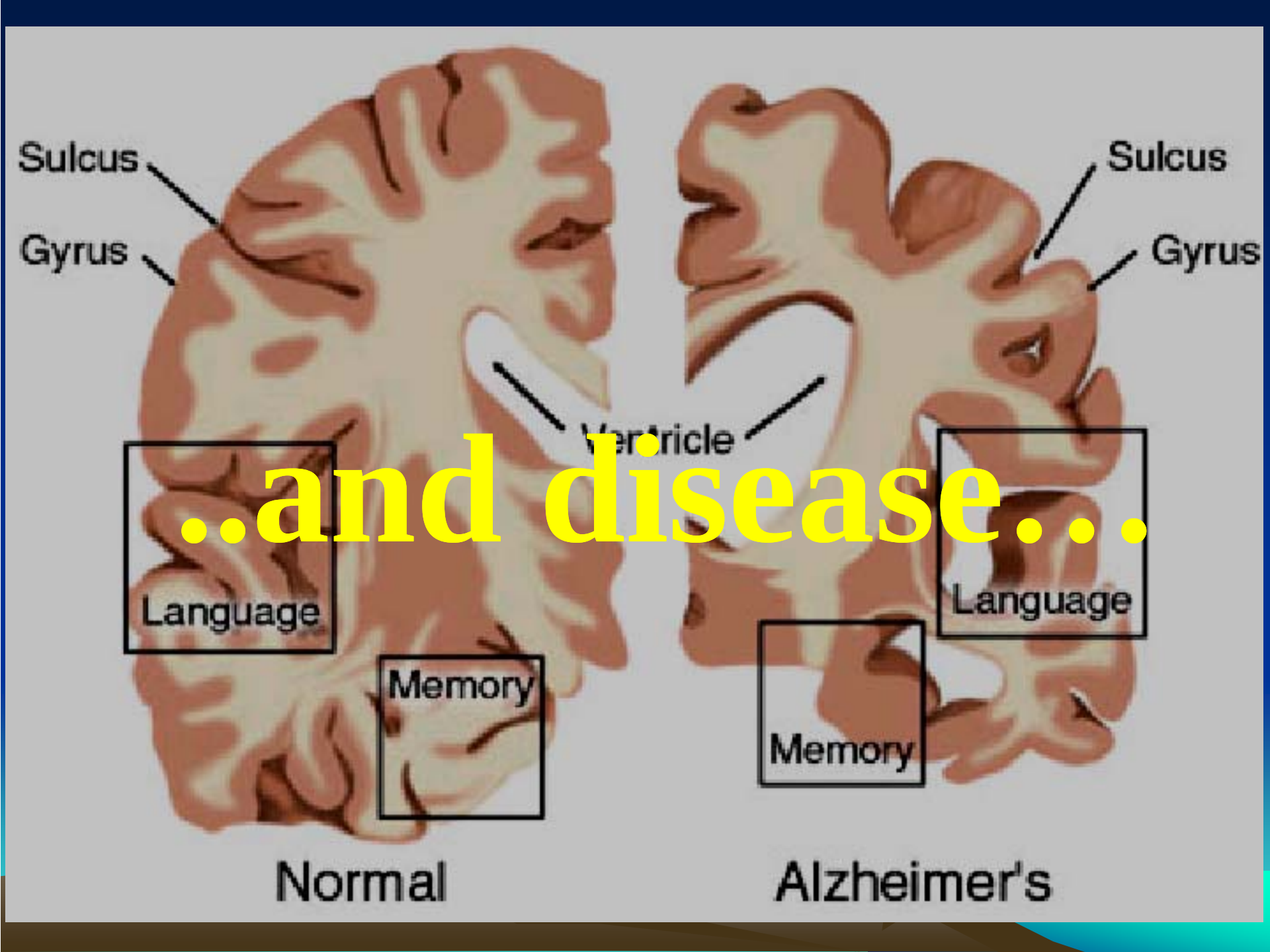
..or lack of energy

An aerial photograph of New York City, showing the dense skyline of Lower Manhattan and the surrounding water. The city is partially submerged in water, with many buildings and streets underwater, illustrating the impact of sea level rise. The text is overlaid in the center of the image.

..global warming...



**..and poverty and
ignorance..**



Sulcus

Gyrus

Ventricle

Language

Memory

Normal

Sulcus

Gyrus

Language

Memory

Alzheimer's

...and disease...

A photograph of the World Trade Center towers on September 11, 2001. Thick black smoke is billowing from the top of the towers against a clear blue sky. Other buildings are visible in the foreground.

...and human
hatred...

**The necessary tools to solve
these globally challenging
problems are dependent
not just on science and
technology, but also on
profound understanding
of**

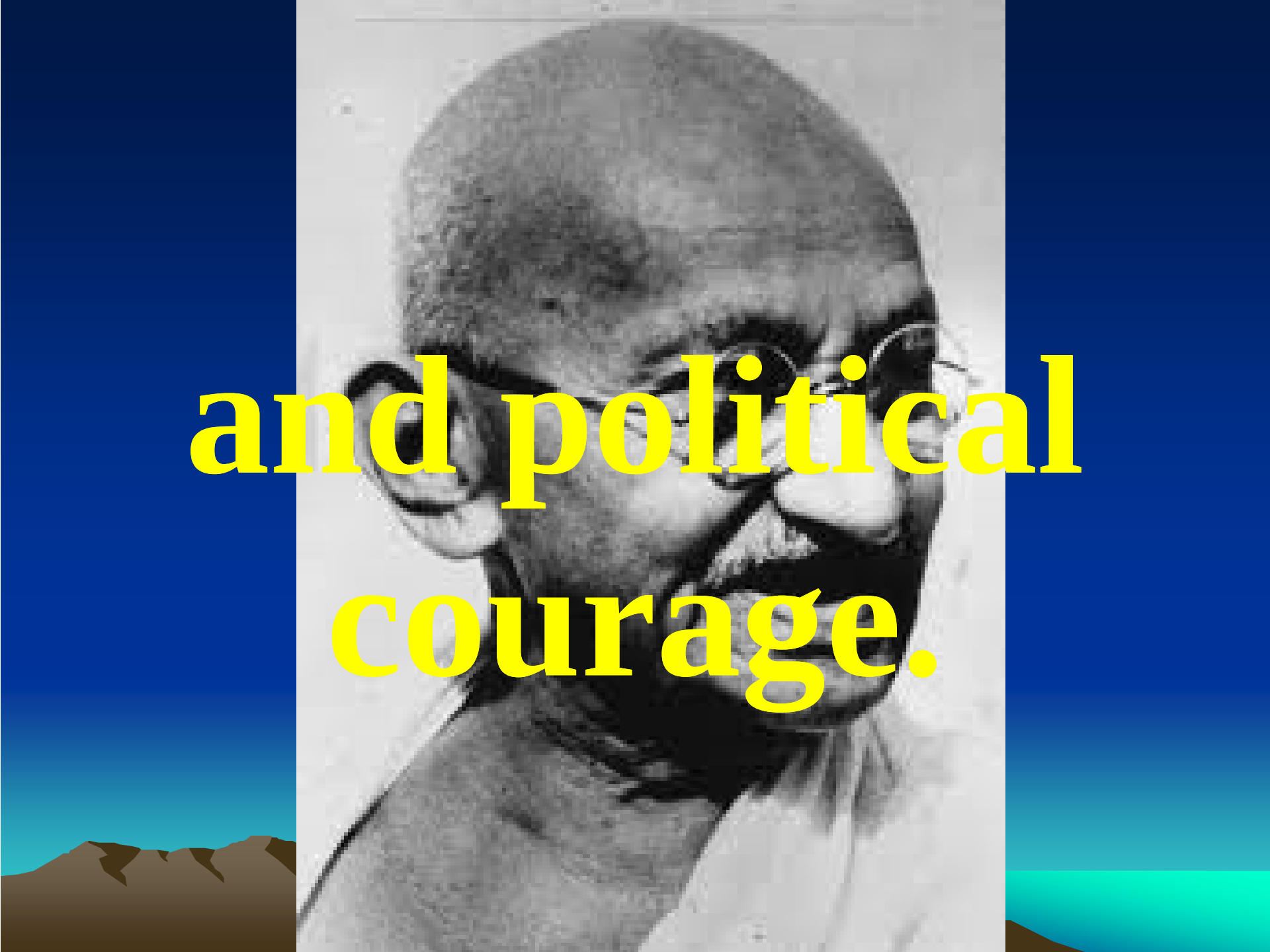




**human
behaviors,**



public policies



**and political
courage.**

**To do so...Asian
students need to have
a mindset of**

**inherent self-
confidence**





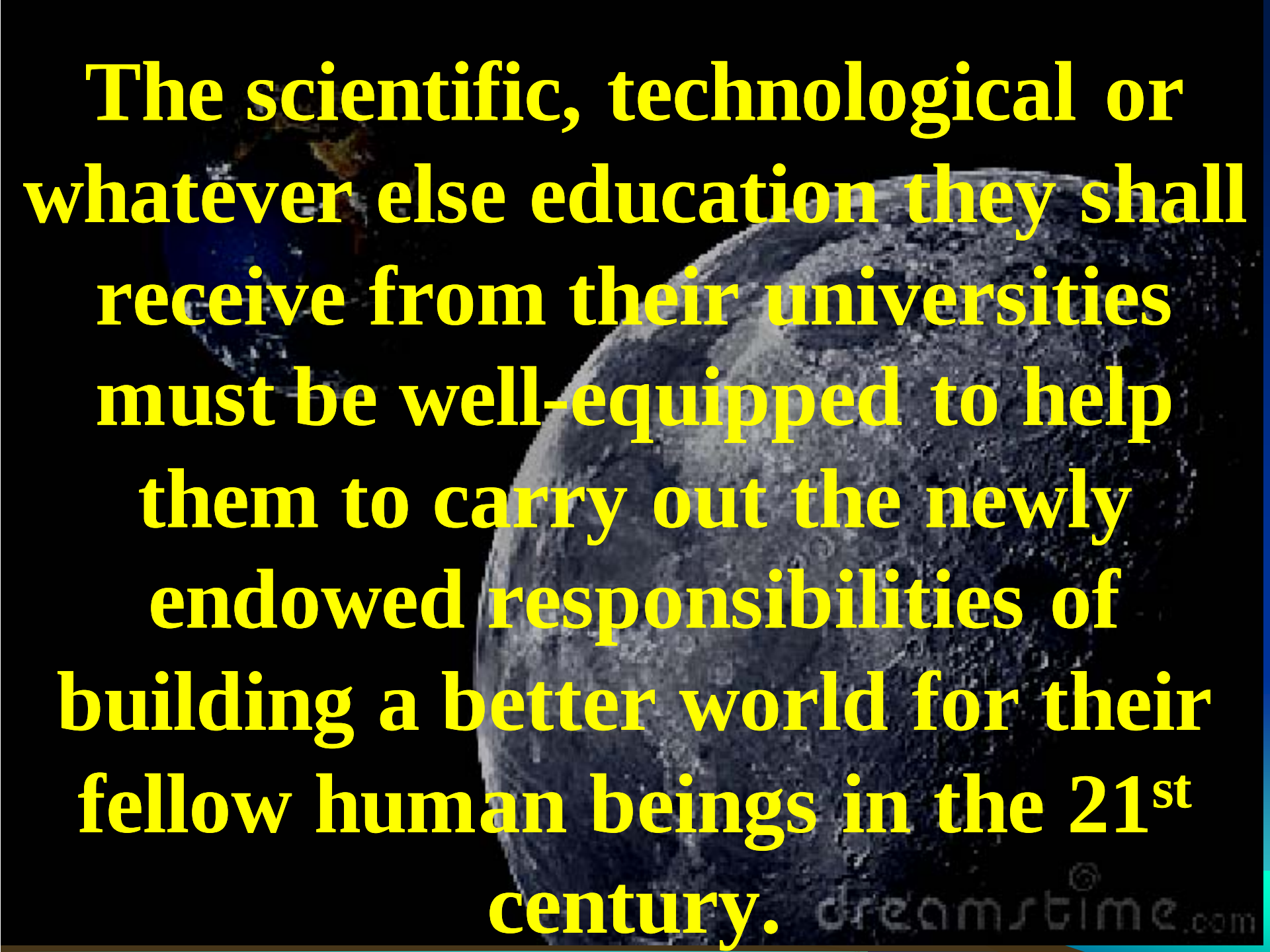
...just like their
counterparts in Europe
in the 19th century

An aerial photograph of a large stadium, likely during a football match. The green pitch is visible in the center, with a blue ball on it. The stands are filled with a large crowd of spectators. Above the stands, a row of various national flags is visible. The text is overlaid in a large, bold, yellow font.

**...or their
counterparts in the
United States in the
20th century**

**What lesson
learned here?**





The scientific, technological or whatever else education they shall receive from their universities must be well-equipped to help them to carry out the newly endowed responsibilities of building a better world for their fellow human beings in the 21st century.

Summary

P'sst: After the tour, don't forget to check out the rest of this site. Test your new knowledge on our quiz page and view our additional Fed resources for more information. You can also order other *In Plain English* materials and even print out some bonus features.

Are you ready to puzzle out our new and improved information?

A person wearing an orange shirt and a grey cap is seen from behind, pointing their right index finger towards the Asian continent on a world map. The map is rendered in white against a bright blue sky with light, wispy clouds. The person is standing on a dark brown, jagged silhouette of a mountain range. The overall scene conveys a sense of global exploration and imagination.

Asia today is
IMAGINABLE,

**...but, like the
universe, it is full
of expected and
unexpected
volatility.**



**I was invited to summarize
a 2009 Asia Development
Bank Conference on
“Global Economic Crisis:
Industrial
Reconstruction.”**

Throughout the 20th century, Asia was psychologically “coupled” to the West, and understandably so.

With superior economic and intellectual strengths, it is quite natural that Asia viewed the West as the ‘standard of excellence.’



However, after such a period as this with the West so palpably exposing its social & economic weaknesses, this may be the first time in the modern global economy that Asia can psychologically

“DECOUPLE”

from the West.



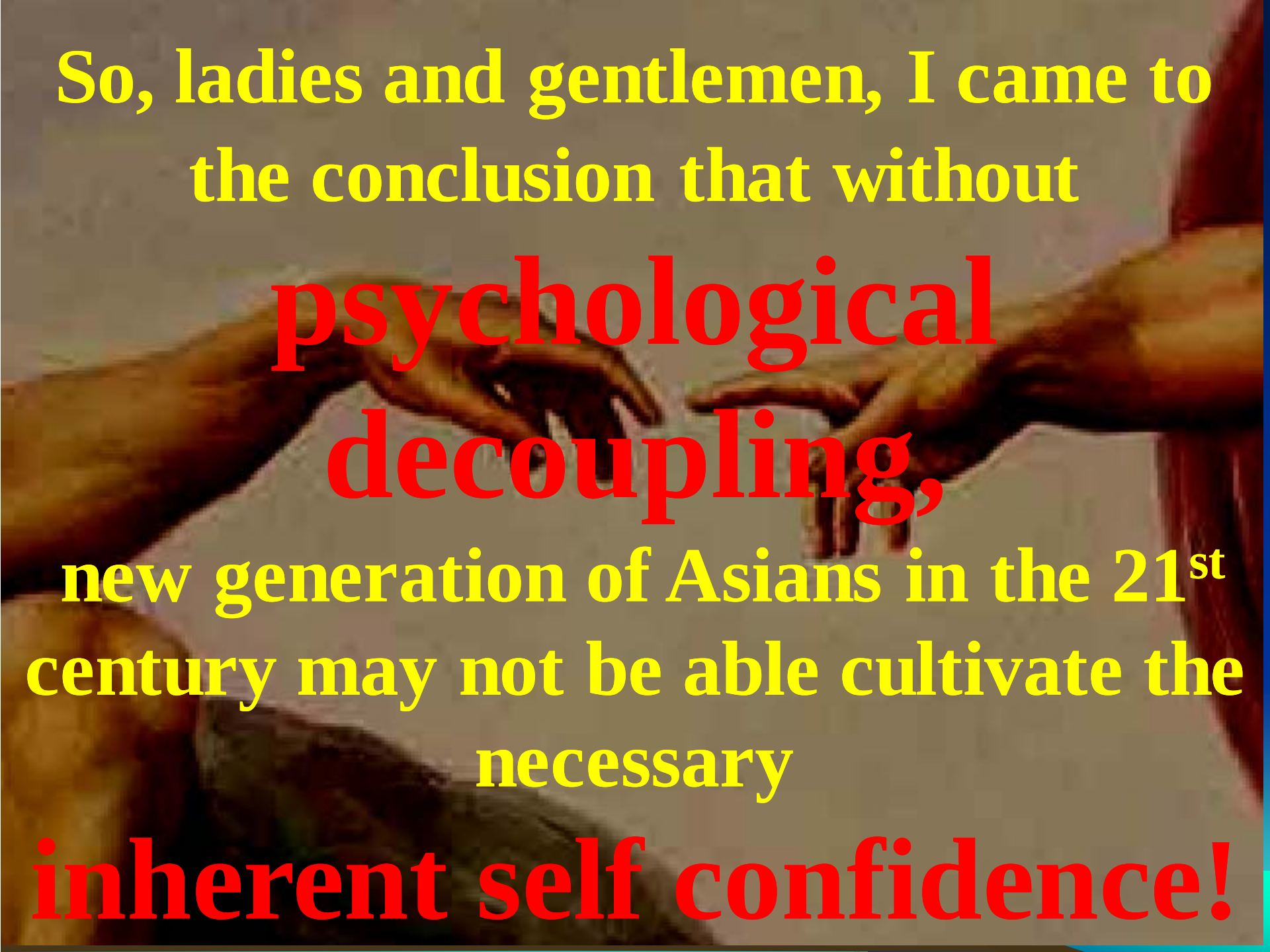
*This is not to suggest that
Asia should decouple
economically and
intellectually from the
West;*



*rather, I am talking
about a “psychological
decoupling” to undo a
sense of reliance on the
West,*



*without which it is unlikely that
Asia will develop a deep sense of
inherent self-
confidence
and without which the 21st
century is surely not to be the
“Asian Century.”*



So, ladies and gentlemen, I came to
the conclusion that without

**psychological
decoupling,**

new generation of Asians in the 21st
century may not be able cultivate the
necessary

inherent self confidence!

谢谢!

