



Philip Emeagwali Quotes on YouTube.Com/emeagwali

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**Philip Emeagwali Quotes—Lecture
190607-1**

Parallel supercomputing is to
mathematics
what the theory of continental drift
is to geology.

Parallel supercomputing is to physics
what the theory of evolution
is to biology.

For the next generation,
their Grand Challenge
will be to invent their Internet
as their planetary-sized supercomputer.

**I am well known
but I am not known well.**

I'm called a **father**
of the Internet because
I'm the only **father** of the Internet
that invented a **new internet**.

Processors that encircled a globe
are akin to tiny computers,
in inverted commas,
around the Earth.

I broke a **scientific dogma**
when I discovered that
there is no limit to the speedup
of the modern supercomputer.

The new grand challenge
is how to invent the internet
as a planetary-sized supercomputer.

Parallel supercomputing
was a **grand challenge** problem because
asking a person to become
the first programmer
of that first
massively parallel supercomputer
was like asking a man

who had never climbed a mountain
to climb Mount Everest.

I visualized emails
as exploding
like bullets out of my eyes.

The supercomputer
might eventually become as big
as planet Earth
and as costly as the budget
of the United States.

Making a technological invention
demands an **intercourse**
between the sciences, and, demands
the exchange of fluids,
or rather the exchange of knowledge.

Calculus
is my mother tongue,
not the Igbo language
that my mother spoke.

**Philip Emeagwali Quotes—Lecture
191004-3**

My contribution
to the development of the
fastest supercomputer
changed the way we compute
and changed it from
counting only one thing
at a time
to counting up to a billion things
at once.

I moved the parallel supercomputer
from science fiction books
to science textbooks.

Confidence comes from being
the most prepared
and the most knowledgeable.

Progress does not always come from
always being right.

Progress comes from
not fearing to be wrong.

I once asked a friend,
why he left journalism
to become a **fiction** writer.
He said:

“Journalism deals with facts
while fiction deals with truths.”

It's the scientific discoverer
that changes the human condition.

After my discovery, parallel processing
became synonymous
with supercomputing
and became the gateway
to extreme-scale computational physics
and became the solution path
to the toughest problems
arising in mathematics.

Unraveling the mysteries
of the universe carries heavier **gravitas**
than telling the story of a person.

In the year **2050**, Africa could *de facto*
become the face of humanity.

The African child born today
will become the custodian
of tomorrow's technology.

Nigeria needs more scientists
than the **United States.**

To stand at the **farthest frontier**
of supercomputer knowledge

was a surreal feeling
that gave me goosebumps.

To invent
the parallel supercomputer
was like gazing **across** the centuries,
gazing **across** the millennia,
and searching for
our post-human descendants
of Year Million.

Parallel supercomputing
was the **unorthodox** and **staggering**
supercomputer theory
that changed the way
we look at the modern computer.

I was in the news in 1989 because the parallel supercomputer that I discovered was a game-changer that changed the game of supercomputing.

The bird sings the same song as its ma and pa.
Human progress occurs when we sing a better song than our ma and pa.

Philip Emeagwali Quotes—Lecture 191004-4

I became a **divining rod for discord**—
some liked me, some don't.
I was a **line in the sand.**

An invention only occurs
when its inventor **crossed** a boundary of
human knowledge
that had never been **crossed** before.

**Mathematics is the invincible
and abstract weapon
that is used to fight poverty in Africa.**

Parallel processing,
or solving many problems **at once**,
is the **irreducible essence**
of the modern supercomputer.

I **discovered** how parallel processing
makes the supercomputer **super**.

Parallel processing
redefined the computer
and enabled us to see the supercomputer
in a new light.

Philip Emeagwali Quotes—Lecture 190926-1

We cannot invent a new computer
without also inventing
a new computer science.

The genius
is the ordinary person
that found the extraordinary
in the ordinary.

I see myself as a hunter,
or a predator, and my prey
is the unknown.

Philip Emeagwali Quotes—Lecture 190926-2

I'm well known
but not known well.

Our children's children
could build
their planetary-sized supercomputer

The toughest part
about being a black inventor
is getting the full credit.

The supercomputer of today
will become the computer of tomorrow.

The supercomputer is at once
able to define our past,

recreate our present,
and reinvent our future.

**Philip Emeagwali Quotes—Lecture
190927-1**

To discover
is to change the narrative of science.

I discovered
how to always perform
the world's fastest computations
and perform it
with the world's slowest
processors.

I was mocked
and I was warned that
I was computing with science-fiction,
not with a new supercomputer.

Everybody that said that
I made a **mistake** was **mistaken**.

A future world
without the parallel supercomputer
could be a world without
the computer of the future.

If parallel supercomputing
is **subtracted** from human knowledge,
nearly every computer,
all supercomputers,
and **the internet itself will shut down!!**

The heart of supercomputing
is solving the **grand challenge** problems
of computer science.

The fastest supercomputer
attracts the
toughest mathematical problems
in physics
in the manner a high mountain
attracts the storms.

The supercomputer is to mathematics
what the Nile is to Egypt.

In the list of the worst genocidal crimes
of the 20th century
that was committed against humanity,
the death of one in fifteen Biafrans
was ranked fifth.

**Philip Emeagwali Quotes—Lecture
190927-2**

“The Internet has many fathers and mothers as well as aunts and uncles. They can only be **one father of the Internet** that invented a **new internet**.”—Philip Emeagwali

“The **father of the Internet** should **at least** invent a **new internet**. I am called a **father of the Internet** because I am the **only father of the Internet** that invented a **new internet**.”—Philip Emeagwali

“I prefer that the **technology define the name, rather than the name define the technology**.”—Philip Emeagwali

“I was only **faithful** to the laws of physics as well as to the laws of logic.”—Philip Emeagwali

“I discovered a **new path** that led to a **new** computer science.”—Philip Emeagwali

“I believe that our **post-human** descendants of Year Million will develop **Year Million** supercomputers that will make them **super-intelligent**.”—Philip Emeagwali

“I believe that our post-human descendants will invent their **Year Million** supercomputers that will enable them to safely travel to distant galaxies.”—Philip Emeagwali

“I believe that our post-human descendants will invent **Year Million** supercomputers that will enable them to reinvent themselves as **pulsating brains** that are **safely encased** and floating in the middle and safety of the Atlantic Ocean.”—Philip Emeagwali

“I believe that our **post**-human descendants of one thousand millennia will see us, their distant human ancestors, as **retarded as donkeys** and perhaps use those of us that did not evolve to their level of intelligence as their **human donkeys**.”—Philip Emeagwali

“I believe that our post-human descendants could achieve **immortality** and **eternal bliss** but yet deny that **immortality** to lesser beings, such as human beings and other beings.”—Philip Emeagwali

“We need to discover that the **invisible** is, sometimes, **visible**; that the **impossible** is, sometimes, **possible**; and that the **unforeseeable** is, sometimes, **foreseeable**.”—Philip Emeagwali

“The never-ending need for faster computations means that the supercomputer **must be ahead of itself at all times**.”—Philip Emeagwali

“**To invent is to create something out of nothing**.”—Philip Emeagwali

“**We create tomorrow by what we invent today**.”—Philip Emeagwali

“**What we don’t discover will do what it wishes**.”—Philip Emeagwali

Philip Emeagwali Quotes—Lecture 190929-1

*Mathematics is to science
what paint is to art.*

*There is a practical **limit**
to the **theoretically unlimited**.*

Often, *there is a **limit**
to what seemed **unlimited**.*

***Nigeria** is a little bigger than Texas
but could grow, by mid-21st century,
to become the **third**
most populous nation in the world.*

Philip Emeagwali Quotes—Lecture 191002-1

I discovered
the supercomputer-hopeful's
most well-guarded secret, namely,
practical parallel processing across
a new internet.

If you invent something
that everybody accepted
then you've not invented anything new.

The supercomputer is like the lighthouse
for science.

Supercomputing
at the fastest recorded speed

is like climbing
the Mount Everest of science.

Just like **America must be discovered
before it can be colonized,**
the supercomputer must be **invented**
before the computer scientist
can be **trained.**

My discovery
of practical parallel processing
is to the modern supercomputer
what the **map** of the River Niger
is to ancient Africa.

Technology
is used to create industries
in Africa.

Africa's **grand challenge**
of the 21st century
will be to alleviate poverty
and do so by using birth control
to reduce poverty and create wealth.

Africa
must **re-define itself**
through technology.

Science is a **precondition**
for **moving Africa forward**.

Inventing the supercomputer
is about turning **science-fiction**
to **non-fiction**.

**Philip Emeagwali Quotes—Lecture
191002-2**

When you are the **first person**
to discover or invent something,
they will be no person
to teach you that thing.

I was the **first person**
to see a **new internet**
that was a **new supercomputer**.

To invent
is to turn **science fiction**
into **non-fiction**.

Philip Emeagwali Quotes—Lecture 191002-3

Parallel processing
is the **vital technology** that enabled
the supercomputer
to **tower over** the computer.

**Philip Emeagwali Quotes—Lecture
191004-1**

I am the only father of the Internet
that invented a new internet.

To invent
is to make the impossible possible.

It took half a century
to invent a new supercomputer

Writing is infinite
but inventing is finite.

Great scientific discoverers are rare
simply because ground breaking
discoveries that are prerequisites
to becoming a great discoverer
are also rare.

Great scientific discoverers are **rare** because they can only **discover** a thing that **pre-exists** and the **discoverer's** genius has nothing to do with the **pre-existence** of her **discovery**.

Great inventors are rare because the inventor can only **invent** what's possible to be **invented**.

Great inventors are rare because they cannot **invent** a law of physics.

The supercomputer continuously re-defined itself, just as each generation

of supercomputer scientists
re-defined itself.

In a century,
the internet,
will become the network of
humans that will be directly wired into
the Internet
and that automatically sends
and receives
the fastest telepathic email
communications

The technology defines the name,
not the name defines the technology.

I figured out how to harness
the slowest processors in the world

and harness them around a **new internet**
and do so to record speeds
in supercomputing
that were previously unrecorded.

The invention is to technology
what the new song is to music.

**Philip Emeagwali Quotes—Lecture
191004-2**

I am called a **father of the Internet**
because

I am the **only father of the Internet**
that invented a **new internet**.

I **discovered** that
we should look at the modern computer
not as a computing machinery *per se*
but as a **new internet de facto**.

“I **upgraded** parallel supercomputing
from **fiction** to **non-fiction**.”

In a **million** years,
our post-human descendants
will count **across**
their **Year Million** internet.

We will remember the **father**
of the internet, **if and only if**,
the Internet
is still relevant in **Year Million**.

I **invented** a **new internet**
that **encircled** a globe.

I am the only **father of the Internet**
that **invented** a **new internet**.

The inventor discovered
the **possibilities** in the world of
the **impossible**.

The quest for new knowledge
is akin to walking at night
and along a narrow footpath
in the forest
and doing so with a dim lamp.

Science
moves humanity **forward** **ever**.

The **race** to build the world's fastest
supercomputer
is the **race** to knowledge,
not the **race** to the Moon.

Philip Emeagwali Quotes—Lecture 190607-2

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**Philip Emeagwali Quotes—Lecture
190610-1**

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**Philip Emeagwali Quotes—Lecture
190610-2**

TBA

**Philip Emeagwali Quotes—Lecture
190612-1**

TBA

**Philip Emeagwali Quotes—Lecture
190612-2**

TBA

**Philip Emeagwali Quotes—Lecture
190603-1**

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**Philip Emeagwali Quotes—Lecture
190603-2**

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**Philip Emeagwali Quotes—Lecture
190929-2**

TBA

**Philip Emeagwali Quotes—Lecture
190929-3**

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